

WESTERN  
WYOMING  
COMMUNITY  
COLLEGE



# 2004-2005 CATALOG



2004-  
2005

## 2004-2005 Academic Calendar

### Fall Semester

New Faculty In-Service .....	August 12, 13, Thurs, Fri,
In-Service .....	August 18 - 20, Wed - Fri,
New Student Orientation .....	August 23, Mon
Student Advisement & Registration (Also selected dates in June and July) .....	August 23, Mon
Kick-Off Day .....	August 24, Tues
Fall Classes Begin .....	August 25, Wed
— Labor Day Holiday .....	September 6, Mon
12-Wk Block Begins .....	September 7, Tues
Last Day to Add Full Semester Classes .....	September 8, Wed
Last Day to Drop 1 <sup>st</sup> 5-wk Block .....	September 10, Fri
Last Day to Drop 1 <sup>st</sup> 8-wk Block .....	September 20, Mon
First 5-wk Block Ends .....	September 28, Tues
Second 5-wk Block Begins .....	September 29, Wed
Last Day to Drop 12-wk Classes .....	October 11, Mon
Last Day to Drop 2 <sup>nd</sup> 5-wk Block .....	October 14, Thurs
First 8-wk Block Ends .....	October 14, Thurs
Mid-Semester .....	October 14, Thurs
— Fall Break .....	October 15, Fri
Second 8-wk Block Begins .....	October 18, Mon
Last Day to Drop Full Semester Classes .....	October 29, Fri
Second 5-wk Block Ends .....	November 2, Tues
Third 5-wk Block Begins .....	November 3, Wed
— Early Registration/Assessment Day - No Day Classes .....	November 11, Thurs
Last Day to Drop 2 <sup>nd</sup> 8-wk Block .....	November, 12 Fri
Last Day to Drop 3 <sup>rd</sup> 5-wk Block .....	November 18, Thurs
— Thanksgiving Holiday .....	November 24, 25, 26, Wed - Fri
12-wk Block Ends .....	December 3, Fri
Last Day of Fall Classes .....	December 10, Fri
Examination Period .....	December 13, 14, 15, & 16, Mon - Thurs
All Grades Due (by noon!!) .....	December 17, Fri

*No Activities From December 6 Through December 17 Without Permission of the President*

### Spring Semester

In-Service .....	January 10, Mon
New Student Orientation & Advising .....	January 12, Wed
— Martin Luther King Holiday .....	January 17, Mon
Spring Classes Begin .....	January 18, Tues
Last Day to Add Full Semester Classes .....	January 31, Mon
Last Day to Drop 1 <sup>st</sup> 5-wk Block .....	February 2, Wed
12-wk Block Begins .....	February 7, Mon
Last Day to Drop 1 <sup>st</sup> 8-wk Block .....	February 11, Fri
First 5-wk Block Ends .....	February 18, Fri
— Presidents' Day Holiday .....	February 21, Mon
Second 5-wk Block Begins .....	February 22, Tues
Last Day to Drop 2 <sup>nd</sup> 5-wk Block .....	March 9, Wed
First 8-wk Block Ends .....	March 11, Fri
Mid-Semester .....	March 11 Fri
Last Day to Drop 12-wk Classes .....	March 14, Mon
— Spring Recess .....	March 14 - 18, Mon - Fri
Second 8-wk Block Begins .....	March 21, Mon
— Good Friday - Easter Monday Holidays .....	March 25 - 28, Fri - Mon
Last Day to Drop Full Semester Classes .....	April 5, Tues
Second 5-wk Block Ends .....	April 6, Wed
Third 5-wk Block Begins .....	April 7, Thurs
— Early Registration/Assessment Day - No Day Classes .....	April 12, Tues
Last Day to Drop 2 <sup>nd</sup> 8-wk Block .....	April 18, Mon
Last Day to Drop 3 <sup>rd</sup> 5-wk Block .....	April 22, Fri
12-wk Block Ends .....	May 6, Fri
Last Day of Spring Classes .....	May 12, Thurs
Examination Period .....	May 13, 14, 16, & 17 Fri, Sat, Mon & Tues
All Grades Due (by noon!!) .....	May 18, Wed
Commencement .....	May 20, Fri

*No Activities From May 9 Through May 18 Without Permission of the President*



**Western  
Wyoming  
Community  
College  
2004 - 2005  
Catalog**

To obtain further information write or call:  
**Enrollment Services**  
**Western Wyoming Community College**  
**P.O. Box 428**  
**Rock Springs, WY 82902-0428**  
Phone: (307) 382-1600  
(800) 226-1181  
Fax: (307) 382-1636  
WWCC Home Page: [www.wwcc.cc.wy.us](http://www.wwcc.cc.wy.us)

# TABLE OF CONTENTS

Academic Calendar .....	Inside Front Cover
General Information .....	1
Vision & Mission .....	1
Guiding Principles .....	2
College History .....	3
Governance .....	4
Location .....	5
Accreditation .....	6
WWC Foundation .....	6
Student Services .....	7
Admissions .....	8
Honors Program .....	13
Registration and Financial Aid .....	15
Student Rights .....	23
Costs of Attending .....	24
Residency .....	28
Student Support Services .....	29
Extended Education .....	37
Academic Policies .....	38
Academic Honors and Academic Standing .....	39
Courses .....	41
Grades .....	43
Right to Due Process - Grievance .....	46
Graduation, Degrees, and General Education .....	47
Degree Requirements .....	50
General Education Courses .....	54
Education After Western .....	61
Academic Programs .....	63
Hands-On Learning Experiences .....	65
Goals for Student Success .....	68
Suggested Programs of Study .....	70
Degree Index .....	71
General Studies - Undeclared .....	73
Business .....	75
Education .....	84
English As A Second Language .....	87
Fine Arts .....	89
Health Sciences, Exercise Science & Outdoor Leadership .....	96
Humanities .....	110
Science and Mathematics .....	115
Social Sciences .....	121
Technology and Industry .....	127
Individual Course Descriptions .....	136
Instructional Methods .....	139
Faculty and Administration .....	263
Index .....	272
Campus Map .....	Inside Back Cover

## 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 in 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 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.

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.

Student numbers have increased from 40 in 1959 to over 5,000 in 2003. 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 1,000, and full-time equivalent students (FTE) has increased to over 1,800.

## 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. Dick Boettcher, Rock Springs

#### Vice President

Mr. Murray Brown, Green River

#### Secretary

Dr. John F. Pembroke, Rock Springs

#### Treasurer

Ms. Ann Strand, Rock Springs

#### Members

Mr. Michael Christensen, Rock Springs

Mr. Doug Galvin, Rock Springs

Ms. Karen Malicoat, Green River

### Administrative Staff:

#### President

Dr. Tex Boggs

#### Dean of Academic Affairs

Mr. Ken Fitschen

#### Dean of Administration

Mr. Marty Kelsey

#### Dean for Student Affairs

Ms. Jackie Freeze

#### Associate Dean for Institutional Effectiveness

Vacant

## INSTITUTIONAL OVERVIEW

Western Wyoming Community College is:

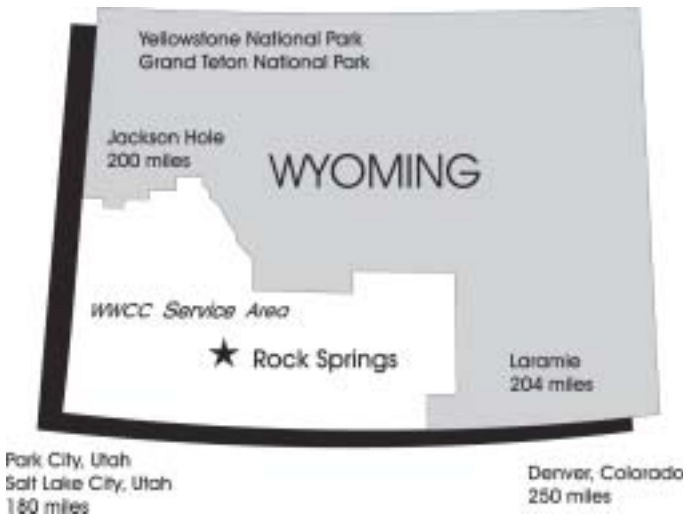
- A public, non-profit, tax-supported, two-year, co-educational institution granted legislative authority to award degrees
- Accredited by the Higher Learning Commission, a commission of the North Central Association of Colleges & Schools. The Commission can be reached at:  
30 N. LaSalle Street, Suite 2400  
Chicago, IL 60602- 2504  
313-263-0456  
<http://www.ncahigherlearningcommission.org>
- Recognized by the Wyoming State Department of Education
- Recognized by the Veteran's Administration
- An Equal Opportunity Employer



## OUR LOCATION

Western Wyoming Community College is located in Rock Springs and has an extended campus center in Green River, Wyoming, 12 miles west of the main campus. The boundaries of the College district, coterminous with those of Sweetwater County, enclose 10,473 square miles in the southwestern part of the State. The average elevation of the County is over 6,500 feet above sea level. Sweetwater County comprises the fourth largest population center in the State of Wyoming. The recreation areas of Flaming Gorge, Tetons/Jackson Hole country, and Yellowstone National Park are all easily accessible to the College community. The campus, consisting of 435 acres, with modern facilities and equipment, can be easily reached by car on Interstate 80 and U.S. 191, as well as by Greyhound Bus Lines and various airlines.

The Wyoming Legislature defines each college's service area. Western is proud to be serving southwest Wyoming with centers in Evanston, Bridger Valley, Kemmerer, Afton/Cokeville, Big Piney, Pinedale, Rawlins and other Carbon County towns.



### ACCREDITATION

Western Wyoming Community College is accredited by the Higher Learning Commission, a commission of the North Central Association of Colleges & Schools. 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 Welding Society (AWS) Accredited Testing Facility
- Wyoming State Board of Nursing
- National League of Nursing Accrediting Commission

### THE WESTERN WYOMING COLLEGE FOUNDATION

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

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

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

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

The current members are:

- |                            |                     |                           |          |
|----------------------------|---------------------|---------------------------|----------|
| Mr. John Hay, III .....    | President           | Mr. Bill Taliaferro ..... | Director |
| Mr. Jim Burdick .....      | Vice President      | Mr. Dick Boetcher .....   | Director |
| Mr. Michael Christensen .. | Secretary/Treasurer | Mr. Mike Yedinak .....    | Director |
| Dr. Tex Boggs .....        | Director            |                           |          |

# 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). Home school students should contact Admissions regarding specific requirements. 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 must provide a national equivalency certificate or transcript or take the GED exam. **Once a student has submitted official transcripts from another school, they become the property of WWCC and 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 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 full-time 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

Seniors who wish to take courses for credit under the high school concurrent program are required to submit the high school concurrent application signed by their high school counselor. They should have a minimum 3.25 high school GPA before considering college classes. They should also complete any special tests or other admission requirements for individual classes. Exceptional juniors may also be allowed to take courses.

## 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 Enrollment Services. A maximum of 50 semester hours of transfer credit is accepted toward WWCC degrees.

Policies relating to transfer admissions are as follows:

1. Students must submit official copies of transcripts from each college 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 throughout.
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 Enrollment Services.
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 longer 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.A.S. degree with emphasis 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 must complete the History of Wyoming (Wyoming Constitution) requirement in order to meet WWCC degree requirements.**

- 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.** Students must have a composite score of 500 (written) or 173 (computerized) on the Test of English as a Foreign Language (TOEFL) and/or have achieved ESL advanced standing to level 107.

Students below that level may enter the College's ESL program. (Students must, however, have some English ability.)

- 2.** Translated copies of post-secondary school records (if the student has attended a post secondary institution). Proof of high school equivalency graduation.
- 3.** A completed Health Form, signed by a physician.
- 4.** 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).
  - b. A deposit of \$4,500 and a \$100 non-refundable application fee. Send a bank draft, money order, or American wire transfer payable to Western Wyoming Community College. With permission, the student may submit the \$4,500 deposit upon arrival. This deposit will be applied toward the first semester's tuition, room, board, books and other fees. If, for any reason, the student cannot attend WWCC, the deposit, with the exception of the application fee, will be returned.

**All international students must have medical insurance.** Proof of international 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 and English classes must also complete the COMPASS.) **Students with high ACT and SAT scores may be exempt.** Contact Enrollment Services 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. Scores are valid as long as the student has continuous attendance at WWCC.

## ADVISING

All full-time, and degree-seeking part-time, students are assigned to a faculty advisor. This assignment is made on the basis of the student's career and educational interests.

Students must obtain the advisor's 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 the Enrollment Services office.

Part-time students may be assigned an advisor upon request.

## ORIENTATION

An orientation program is offered for all new students. It consists of informal meetings which address advisement, testing, and registration policies and procedures, and adjustment to college. Information may be obtained from the Enrollment Services office.

The math, reading, and English placement assessments (COMPASS) are also given at this time.

**All new freshmen are required to attend one of the orientation sessions prior to registration. 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 orientation prior to registration.** Orientations are usually scheduled several times throughout the summer and just prior to the start of classes for students who can't attend an earlier session.

## 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 Service members Opportunity Colleges. As a SOC member we are committed to easing the transfer of relevant course credits, providing flexible academic residency requirements, and crediting learning from appropriate military training and work experiences. SOC is sponsored by fifteen national higher education associations with the military services, the National Guard Bureau and the Office of the Secretary of Defense serving as cooperating agencies.

## 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 transfer-

able 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 nor 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 faculty 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, Health Science and Technology and Industry areas are not designed to be transfer programs. Students should discuss their program at the College with their faculty advisor, Coordinator of Academic Advising, Registrar, the Student Development Center, or the Dean of Academic Affairs.

## TRANSFER AGREEMENTS WITH OTHER INSTITUTIONS

WWCC has transfer articulation agreements with a number of colleges including University of Wyoming, Brigham Young University, Franklin University, University of Utah, Utah State University, Black Hills State, Chadron, University of Northern Colorado and Colorado State 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 through the Office of Enrollment Services. 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.

A schedule of fees can be found in the fee section of this book.

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. Credit by examination is available at Western Wyoming Community College in any course or subject for which a CLEP Test is not available (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.
  - c. A fee is assessed for institutional challenge examination. This fee is in addition to the amount of tuition paid by a regular part-time or full-time credit student for the regularly scheduled courses.
2. 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.

**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 was designed for students with superior academic records, above average enthusiasm for learning, and intellectual curiosity. The Honors Program mission is to challenge bright students by encouraging learning communities within the classroom and opportunities for intellectual growth outside the classroom. Through field trips and classroom interaction, students form life-long friendships with others who share their commitment to learning.

Twenty Honors Program students—ten freshmen and ten sophomores—are chosen each year through a process of application and essay. Freshmen must submit ACT scores and sophomores must be nominated by WWCC faculty members.



## Honors Colloquiums

As part of the Honors Program, students participate in two special honors colloquiums: one in the Fall, Introduction to Humanities, and one in the Spring on a rotating topic. The humanities course incorporates cultural field trips into the course content, as students examine the role of the arts and humanities in the human experience. Students have traveled to symphonies, operas, art galleries, plays, and museums as part of the course.

Honors Program students also pursue an individual research project, working closely with a faculty mentor. This project allows them to investigate topics 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.

## Honors Courses

Honors Program students are also eligible to enroll in any of the 8 to 10 honors courses offered yearly. These challenging courses with limited enrollment, are taught by some of Western's most dedicated faculty and are designed to bring together talented students from all majors. While intended for academically motivated students, honors courses are not simply more work with stiffer competition. They are innovative, intellectually stimulating, and designed to develop a community of scholars among the participants. Because of the excellence demanded in these courses, Honors Program students frequently take more than the required two.

## Honors Admissions Requirements

- Incoming freshmen can apply for admission to the Honors Program if they have a 25 ACT or 1100 SAT composite score.
- Students with a 3.75 GPA may be nominated by a WWCC faculty member during their first year to be in Honors their second year.
- Unusually creative students with high potential for success may be recommended by WWCC faculty familiar with their work.
- 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.

Applicants are screened and selected during spring for the following fall semester on the basis of academic records, letters of recommendation and application essays.

## Maintaining Eligibility in Honors

Students are expected to:

- Maintain a GPA of at least 3.25 in 15 credit hours
- Enroll in two honors courses per academic year, including the two Honors Colloquiums

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

## Transferring

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

## GETTING REGISTERED

Registration for classes 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 classes 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 classes during the first two weeks of school. Students taking eight-week blocks may register through that first week and five-week blocks through the third day of class.

**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 and take the American College Test (recommended but not required) prior to registration.

### REGISTRATION OPTIONS

Students may register through the following methods:

- On-line via the WWCC web page.
- In person in Enrollment Services, at the Green River Center (Part-time only) or at an Outreach Office.
- By mail (Part-time)
- By telephone (Part-time)

### 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 classes during the first two weeks of the semester. Students taking courses on the block plan may register for block courses prior to the beginning of the course. Contact the Office of Enrollment Services for specific dates. **A late fee is charged for registrations on or after the first day of classes.** Students who enroll in flexible entry courses are not eligible for refund after the designated last day to add full semester classes each semester.

## 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).

All financial aid applicants must complete a WWCC Financial Aid Application and provide any supporting information required. Many 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 before any financial aid award is disbursed.

## HOW SHOULD I APPLY?

For institutional aid programs, students must submit the WWCC application and the supporting documentation outlined above. The first priority funding date is **April 1** of the preceding academic year. Since institutional aid programs are in high demand, students are encouraged to meet the April 1 priority date while funds are still available. Aid is not reserved for late applicants and scholarships/activity grants/work study assignments are awarded as applications are completed.

For federal aid programs, students should use the FAFSA (Free Application for Federal Student Aid), and are responsible for submitting additional information requested by WWCC as soon as possible. Funds are limited and the process is lengthy. **All federal 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 available monies. Applications received after the date will be processed on a first-come, first serve basis. Students should receive an award notification in early summer.

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 Pell program.

**Federal Supplemental Educational Opportunity Grant (FSEOG):** Federal grants to students with the lowest family contribution.

**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 undergraduates making satisfactory academic progress. Available only to Wyoming residents with need in an amount greater than \$900.

**Federal Stafford Loan:** Need-based federally subsidized loan to college students which are made by participating lending institutions. Current interest rate is variable not to exceed 8.25% and repayment obligations begin six months after a student completes their education or stops attending on a part-time basis. Entrance and exit counseling are required.

**Unsubsidized Federal Stafford Loan:** Federal loans available to students. Interest payments begin within 60 days after loan disbursement unless students choose to defer these payments. It has a variable interest rate, not to exceed 8.25%. Entrance and exit counseling are required.

**Federal PLUS Loan:** Federal loan available to parents whose dependent children attend post-secondary institutions. The interest rate is variable not to exceed 9% and repayment begins immediately after loan disbursement.

## INSTITUTIONAL AID PROGRAMS

### Scholarships

**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 1210 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 includes in-state tuition, books, residence hall suite and limited board. Recipients are required to enroll in one honors course per semester. For continuation, the student must complete 15 credit hours per semester with a minimum GPA of 3.5 and must be enrolled in the Honors Program.

**WWCC Honor Scholarship:** Provides in-state tuition and a book stipend for four semesters to qualified students with a minimum 3.35 high school GPA and 23 composite on the ACT Exam or 1060 composite on the SAT. Recipients are required to enroll in one honors class per year. For continuation, students must complete at least 15 credit hours per semester with a minimum GPA of 3.25 and one Honors course during the academic year.

**WWCC Senior Scholarship:** Awarded to high school seniors upon graduation. Selection is made by the high school counselor. Students must have a minimum 3.10 GPA and 18 composite on ACT Exam or 860 composite on the SAT to qualify. The award is for a four-semester period and provides for full-time in-state tuition costs. For continuation, the student must complete 14 credit hours per semester with a minimum GPA of 3.0.

**WWCC Divisional Scholarship:** Developed to reward academic excellence and student interest within WWCC academic disciplines. Students generally must have a minimum GPA of 2.00 to qualify and must be majoring in that division. Criteria is developed by each division and recipients are identified accordingly. Value is generally limited to two semesters full-time in-state tuition.

**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 a FAFSA.

**Special Ability Grant:** Offered to students with exhibited special abilities in performing / competitive areas such as art, music, musical 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 the following donors. The grants vary in value from \$100 to \$1500 per academic year. These funds are made available to student applicants by the demonstrated interest of those businesses, individuals and civic groups listed below:

- Ace Hardware #8349-L
- Anna Baird Williams
- Anonymous Donors
- Mike August Memorial
- BPW of Sweetwater County
- Blue Cross/Blue Shield of Wyoming
- Church & Dwight
- Quinto Constantino Memorial
- Jeanne Curran Civic Grant
- FMC Corporation
- Finn Hall Scholarship
- First Security Foundation
- Gary Haines Memorial Scholarship
- General Scholarship
- George Lemich Memorial  
– Int. Order of Oddfellows
- John Hay, Jr. Scholarships
- High Desert Emergency Physicians
- IAA P - Western Horizons Chapter
- Paul Juel Memorial
- Kiwanis Club of Rock Springs  
– Ralph Craft Memorial
- Thomas Lemarr Jr. - I.O.O.F.
- Lions Club of Rock Springs
- Richard Matthews Memorial
- Finis & Emma Mitchell  
Memorial Scholarship
- Monsanto
- Lois Nicksich Memorial
- PEO, Chapters AE and BC
- Questar Corporation
- Rock Springs Historical Museum  
Internship Fund
- Coca-Cola Bottling of Rock Springs
- Mary and Clarence Samuels
- Seeburg Memorial
- Sherry Ann Siler Memorial
- St. Joseph's Lodge #122
- Jim Stark Memorial - I.O.O.F.
- Sweetwater County Medical Society
- Sweetwater Television
- Roger Taylor Memorial
- Tominc Education Fund
- Trona Valley FCU
- Union Pacific Foundation
- United Steelworkers, Local #13214
- Judith H. Webb Nursing Scholarship
- Louise & Arlene Wesswick Scholarship
- Whisenand I Excellence Award
- Whisenand II Grant
- Wyoming Alliance for Quality of  
Tax Administration

## 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 make a determination 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 a two-year degree in two years' time. Students will be considered in good standing and eligible to receive financial assistance for 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 have to 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 have to maintain satisfactory Academic Progress for this degree.

**Satisfactory Completion:** Satisfactory completion of credits means a student has received a minimum grade of D or P. 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 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 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) or have a GPA below 2.0

**Appeal of Suspension:** Students may appeal in writing to the Financial Aid Office. 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 will need 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 which results in a reduction of fees paid are subject to WWCC's Return of Funds. 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.

**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.

**Open Entry/Exit Courses:** Aid recipients who enroll in this type of course are not excused from completing the required number of credits each semester, even though a course is designed for this type of 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 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 overpayment has been made, the student will be billed for repayment of that amount. Such repayment will be assigned to the Title IV grant and scholarship categories in the same proportion as awards were received from those categories. 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 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.

## 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 obtaining the instructor's signature for each class they are taking on an attendance certification 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 attendance certification forms or not advising VA Representative of course changes, could result in the school not certifying 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

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.

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 Enrollment Services. 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
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.

## 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 or employment in, its educational programs or activities. Inquiries concerning Title VI, TITLE IX and Section 504 may be referred to the Dean of Administration, 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 Dean of Administration 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 382-1660. Individuals who believe they have been treated unfairly or unlawfully under the provisions of this Act should contact the College's Dean of Administration, who services 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 50 percent of WWCC degree seeking students complete their degree within three years of their start. Of that group, 64 percent transfer immediately after graduation and sixteen percent transfer without receiving their degree. Contact the Dean for Student Affairs for more detailed information on graduation rates.

## COSTS OF ATTENDING

### Estimated Annual Cost

IN-STATE		OUT-OF-STATE
\$1,594	Tuition & Required Fees	\$4,234*
\$700	Books & Supplies	\$700
\$1,559	Board (10-meal plan)	\$1,559
\$1,440	Average Room (on-campus)	\$1,440
<b>\$5,293</b>	<b>Estimated Annual Expense</b>	<b>\$7,933</b>

\*If you are a resident of a Western State (WUE) state, this amount would be substantially lower. See page 27.

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).....	\$797
Part-time (11 hours or less) .....	\$67/hr

#### Out of State

Full-time (12 hours or more).....	\$2,117
WUE State Residents (Full-time) .....	\$1,133
Part-time Out-of-State (11 hours or less) .....	\$177/hr
Part-time (WUE) .....	\$95/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: \$55/hr	Out-of-State: \$165/hr	WUE: \$83/hr
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### Payment

WWCC has a number of payment options available to students. 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.

### Course Fees

Fees attached to individual courses are as follows:

ACCT 2110	Automated Accounting*	20	BOTK 1650	Keyboarding Apps II*	20
ART 1000	General Art*	7	BOTK 1900	Machine Transcription*	20
ART 1120	Design: 3D*	15	BOTK 2900	Office Procedures*	20
ART 1150	Photography*	14	CHEM	All lab courses*	20
ART 1160	Photography*	14	CMAP	All courses*	20
ART 1174	Photography*	20	COMM 2300	Graphic Design*	10
ART 1176	Photography*	20	COSC	All courses*	20
ART 1310	Sculpture I*	40	DESL	All courses*	25
ART 2050	Life Drawing*	15	EDUC 1100	Basic Reading for Tutors*	20
ART 2090	Printmaking*	10	EDUC 1110	EL Tutor Training*	20
ART 2120	Graphic Design*	10	EDUC 1500	Inst Appl of Computers*	10
ART 2150	Photography*	50	ELAP1515-1585	Elec. Apprenticeship I-VIII*	100
ART 2410	Ceramics I*	25	ELTR	All courses*	20
ART 2420	Ceramics II*	35	ES 1060	Engineering Computing*	20
ART 2430	Ceramics III*	50	ES 2230	Computer Aided Drafting*	20
ART 2440	Ceramics IV*	60	ES 2240	Adv. Computer Aided Drafting*	20
AUTO	All courses*	25	GEOL	All lab courses*	15
BAS	All courses*	5	HLTK 1630	CPR*	18
BIOL	All lab courses *	16	HLTK 1650	CPR for the Prof Rescuer*	18
BIOL 2080	Psychobiology*	12	INDM	All courses*	20
BOTK 1640	Keyboarding Apps I*	20	INDM	Online INDM Program/12mo	895
			MCH	All courses*	20

*Fees continued on next page →*

MUSC	Applied Music 1/2 hr lesson	80	<b>Distant Learning</b>	
MUSC	Applied Music 1 hr lesson	160	Note for course fees: The general course fee is not	
NRST 1510	Cert. Nurse Assistant*	21	assessed if the course is taught via internet, only	
NRST 1610	Nursing I*	31	the internet course fee is charged. Compressed	
NRST 1620	Nursing II*	66	video classes or classes with live labs may have	
NRST 1985	Practical Nursing Roles*	35	additional course fees.	
NRST 2630	Nursing III*	61	Videotaped Course*	32
NRST 2640	Nursing IV*	35	Compressed Video Course*	18
PEAC	Wellness Ctr, pool, and		Cassette User Fee*	10
	Weight Room courses*	15	Internet Course*	32
PEAC	All outdoor courses	10		
PEAC 1015	Beginning Skin & Scuba*	90	<b>Outreach Exceptions to Fees</b>	
PEAC 1021	Beginning Kayaking*	80	ART 1150 Evanston*	25
PEAC 1022	Intermediate Kayaking*	80	ART 2410 Afton	0
PEAC 1029	Core Board (GRC)*	15	CMAF Afton, Big Piney, Medicine	
PEAC 1030	Dance Aerobics*	3	Bow, Encampment, Saratoga,	
PEAC 1050	Beginning Tennis*	5	Hanna, Elk Mountain	0
PEAC 1276	Horseback Riding*	100	MUSC 2073 Afton*	10
PEAC 1277	Horseback Riding II*	100	MUSC Applied Courses, Afton	0
PEAC 1287	Rock Climbing I*	160	PEAC 1273 Afton	10
PEAC 1297	Whitewater Rafting*	54	WELD 1710 Afton	0
PEAC 1320	Big Game Habitat Skills*	180	WELD 1750 Afton	0
PEAC 1258	Downhill Skiing I*	40	WELD 1760 Afton	0
PEAC 1260	Beginning Volleyball*	5		
PEAC 1264	Beginning Softball*	10	<b>Other Charges</b>	
PEAC 1284	Back Country Horsemanship*	180	Access Card Replacement*	20
PEAC 2012	Advanced Scuba Diving*	80	Auditing Classes (per semester hour)	65, 92, 171
PEAC 2017	Water Safety Instructor*	25	Campus Locker Fees	
PEAC 2018	Advanced Life Saving*	25	Large Locker*	5
PEAC 2058	Downhill Skiing II*	40	Small Locker*	3
PEAC 2072	Advanced Volleyball*	5	COMPASS (mailing, processing, retake)	10
PEAC 2088	Rock Climbing II*	10	Credit by Exam/Extra-Inst Credit*	65
PEAT	All courses*	15	Directed Study Course fee	75/cr hr
PLOP	All courses*	15	Graduation Fee	varies
PLOP	Online PLOP Program/12mo	895	Green River Piano Usage	30
PSYC 2000	Research Psych Methods*	5	Late Registration Fee	
PSYC 2080	Psychobiology*	12	(Effective the 1st day of classes)	
TECH 1550	General Metallurgy*	10	Full-time*	10
TECH 1600	Industrial Safety*	10	Part-time*	1 semester hour
TECH 1680	Blueprint Reading*	10	MUSC App Music Conc w/ App. lesson	1/2 of the cost
WELD 1710	Oxyacetylene Welding	35	Outdoor Equipment Rental Fee	5
WELD 1715	Oxyacetylene Cutting	35	Pottery, Non-credit (Initial Fee)*	48
WELD 1755	Shielded Metal Arc Welding	50	Each additional lb. of clay	
WELD 1760	Adv. Shielded Metal Arc Weld	50	(Paid in \$10 increments)	80
WELD 1770	Gas Metal Arc Welding	80	Residence Hall Activity Fee*	5
WELD 1774	GMAW - Pipe	100	Residence Hall Computer Fee*	7.50
WELD 1776	FluxCored Arc Welding	100	Swimming Pool Fees	
WELD 1780	Gas Tungsten Arc Welding	100	Semester Fees for Non-students	
WELD 1840	Groove Welding Plate	80	(including College Employees)	
WELD 1860	Welding Fabrication	80	General Pass (individual)	40/semester
WELD 1950	SMAW Stainless Steel Basic	50	General pass (family)	70/semester
WELD 1960	Submerged Arc Welding	60	Per Session Admission	1.75
WELD 2510	Pipe Welding I: Sch 40 Pipe	90	Punch Passes (10)	17.50
WELD 2520	Pipe Welding II: Sch 80 Pipe	100	Students (show I.D.)	Free
WELD 2530	Downhill Pipe Welding	90	Transcripts	Free
WELD 2540	Pipe Layout & Fabrication	80	WELD Directed Study (in addition to 75)	44/hr
WELD 2630	Welding for the Arts I	50	Wellness Center	
WELD 2635	Welding for the Arts II	50	Fall/Spring	40
WELD 2650	Gas Tungsten Arc - Pipe	120	Summer	40
WELD 2660	Stainless Steel Pipe Welding	120	Testing Fees	
WELD 2670	Welding Inspect. Tech	30	Contact the Director of Testing, in the Student	
WELD 2810	Welding Testing Training	40	Development Center, for Fees for specific tests.	

\* non refundable

\* nonrefundable

## 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, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, and Nebraska). 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 Enrollment Services.

## CONTINUING EDUCATION

All credit classes offered through the continuing education program will be assessed a continuing education 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 direct costs of offering the training. Fees are established prior to the beginning of each class.

## COMMUNITY SERVICE COURSE TUITION

Community Service course costs are established based upon the cost of the course. See course announcements for charges associated with an individual course.

## NON-CREDIT COURSE ADMINSTRATIVE FEE

Thirty-Five percent above the cost of estimated tuition and fees for Community Service and for Continuing Education courses will be charged. The administrative fees may be waived for courses where no tuition is assessed.

## 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 .....** \$1.75

## 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. Prior to publishing the local class schedule each semester, the outreach coordinator must submit to Enrollment Services a list of classes where regular college fees will not be charged. The list 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). Requests should be submitted a minimum of two weeks prior to the date response is needed.
2. Enrollment Services will submit the list to the President for authorization.
3. Enrollment Services will notify the outreach office of approval or disapproval of the waiver.

Each waiver is good only for the current year and must be resubmitted each fiscal year.

## 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 classes have been in session. Refunds do not go into effect until signed paperwork is turned in to Enrollment Services or appropriate off-campus administrative office.

#### Calendar Days from Date Semester-Long Classes 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 classes, a comparable prorated schedule is applied.** Flexible entry classes are nonrefundable after the last day to add full semester classes each semester. Check with Enrollment Services for actual percentages.

### Non-Credit Courses

Generally, tuition and fees are not refundable for non-credit classes, but coordinators may offer a raincheck or make an exception to this rule.

## 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 new student at the time the application for admission is accepted and for previous students when they reapply after having been away 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 Enrollment Services.
2. Only individuals, or their legal dependents, who are U.S. citizens or are in an immigrant status may qualify for residency.
3. Students may be required to submit appropriate documentation to support the residency claim.

The following persons shall be classified as Wyoming residents 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; Living in college residence halls does not count.
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. An individual on active duty in Wyoming with the United States Armed Forces, Wyoming National Guard or Reserves, and his/her legal dependents;

7. An individual who can provide written verification from an employer that he/she will be employed 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.
8. 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;
9. 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 applicant's 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 Enrollment Services.

Appeals and exceptions to the above policy should be addressed to the Dean for Student Affairs. Students wishing to appeal that office's decision, may go through the Student Affairs Appeal process.

## STUDENT SUPPORT

### LEARNING CENTER



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) classes are offered for speakers of other languages from the literacy level through classes for international, degree-seeking students. Classes are offered in a scheduled classroom environment and as a self-paced study program. EL reading, grammar, vocabulary, spelling, writing, listening, conversation, and pronunciation classes 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.

## **Peer Tutor Center**

The Peer Tutor Center is certified through CRLA as an internationally recognized program. Tutoring is free and 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 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, short-term personal and group counseling to help with problem solving and resource identification. 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, both on campus and in the community. Students with a documented disability may qualify for reasonable classroom 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.

## Workshops/Seminars

The Student Development Center offers a variety of free, educational workshops and seminars designed to facilitate 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.

The two-credit Student Success Seminar (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.

## 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 the American College Test (ACT), SAT, Graduate Record Exam Subject Tests (GRE), Virtual University Enterprises (VUE), 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 and Job Placement Services 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. Career and Job Placement Services operates a satellite office at the Rock Springs Employment Center and provides Workforce Investment Services to students.

Career & Job Placement Services 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.

## Coop Education

Career & Job Placement Services develops coop education opportunities for eligible students. Coop education provides part-time employment as well as meaningful, practical experience that relates to the 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.

## Special Support Services

Students enrolled in vocational/occupational programs may be eligible for support services including specialized equipment, uniforms, tools, childcare assistance, transportation and other education-related expenses. Student support services are assessed on an individual basis in compliance with WWCC's non discrimination policy. Services are funded by Carl D. Perkins funds as administered by the Wyoming Department of Education.

## STUDENT HOUSING AND DINING

The Western Wyoming Community College On-Campus Housing Center consists of five buildings. Three of the residence halls have furnished apartments and the fourth and fifth facilities contain furnished suites which are clustered around a lounge area. The center has a capacity of 400 occupants. All units are fully furnished. Handicapped rooms are available. The residence halls are conveniently located on-campus near all the college's facilities.

### The following options are presently available:

1. One Bedroom Apartment - Two Students
2. One Bedroom Apartment - Single or Family\*
3. Two Bedroom Apartment - Four Students
4. Two Bedroom Apartment - Family\*
5. Suite Units: (two students per unit)
6. Suite - Single occupancy\*
7. Suite - Semiprivate/private unit - Two Students
8. Suite - semiprivate/ private unit - Single occupancy\*

*\*When demand is high, these options may not be available.*

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.

Inquiries should be directed to the Housing Office, in care of WWCC.

The residence hall area also has a computer lab available and all residence hall rooms are Internet accessible.

The College food service offers 5, 10, and 18 meal plan. **Students residing in suite units and all on-campus freshmen are required to purchase a 10 or 18 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 the guidelines of the Wyoming Department of Family Services. Child care is available during the day to the children of any parent taking classes at Western Wyoming Community College part-time or full-time, credit or non-credit.

Children using the Center must be age two to Kindergarten and toilet-trained. There are four classes in the Rock Springs Center: the "Bunnies," "Bears," "Turtles," and "Snakes." Each of the classes is staffed by qualified teachers and aides.

Each parent is asked to fill out a registration card, child history form, immunization record, and parent's schedule when enrolling his/her child in the Children's Center. Any major illness must be reported to the Center promptly. Using a developmental curriculum and recognizing that each child is an individual, the staff of the Children's Center hope to help the individual child to develop emotionally, mentally and physically. Enhancing each child's self-concept during their time in the Center is a major goal.

The Children's Center also provides observation and field experiences for college students in the education program, psychology, physical education and nursing.

The Children's Center follows the College calendar. The center is open fall, spring, and summer semesters. During the summer, first and second grade children may be enrolled.

A fee is charged for each child in the Center. Financial Aid personnel may be able to assist the student if child care fees are a concern in college budget planning.

## 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). Maximum benefit per incident is \$1500.00

## 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.

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 right books.

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

New book prices are established by the publisher. When new books arrive at the Bookstore, they are marked according to the invoice with the set list price. The Bookstore will make every effort to have used textbooks for sale. These books are marked at 75 percent of the new retail price.

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 in paperbacks, 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 they may also be stocked.

## 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 various on-line databases and resources.

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. Two photocopy machines and a fax machine are available.

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

### Library Hours:

Monday-Thursday .....	8:00 a.m. - 10:00 p.m.	<i>Hours vary during the summer, semester breaks and holidays. Hay Library is always available virtually at: <a href="http://www.wvcc.cc.wy.us/library">http://www.wvcc.cc.wy.us/library</a></i>
Friday .....	8:00 a.m. - 5:00 p.m.	
Saturday .....	1:00 p.m. - 5:00 p.m.	
Sunday .....	5:00 p.m. - 10:00 p.m.	

## INSTRUCTIONAL MEDIA CENTER

This department provides faculty and students with traditional audio/visual support in the classroom. In addition, the department is increasingly involved in the high-tech delivery of courses to remote Outreach sites. The center also assists faculty in the preparation of video-taped courses.

**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 all 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, 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 offers soccer as a club sport for both men and women. The teams compete throughout the region.

## 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 continuing education, enrichment, and noncredit training. Learning resources are shared with all students as they seek and meet the challenges of careers, new technologies, personal life transitions, and personal enrichment. Activities and classes vary in length and provide students the opportunity to improve professional, technical, interpersonal, and business skills.

**Continuing Education Classes:** Continuing Education class activities and services provide job skills necessary to remain in or advance in the work force. These include customized contract training, testing, workshops, conferences, and seminars. CEU's (Continuing Education Units) and/or college credit may be awarded upon successful course completion.

**Community Service Classes:** Community Service classes and activities provide personal enrichment 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 the Enrollment Services Office or the Green River Center. Small fees may be assessed for custodial, security and facilities use.

## THE GREEN RIVER CENTER

The Green River Center is an extension of the main WWCC campus. Its focus is to serve the needs of non-traditional and traditional site-bound college students by offering educational opportunities in Green River primarily during the evening hours and on weekends. During the day the Center generally serves as a Continuing Education training facility for local industry, business, and government agencies.

### Services available:

- Registration, orientation, and advising for part-time students
- Class accommodations for shiftworkers and other non-traditional students
- Placement Test (COMPASS Test)
- Community Service Classes
- Learning Center
- MSHA Certification
- Seminar/Conference Facilities
- Community/ Cultural Events
- Compressed Video/ Teleconference Classes
- Weekend College
- Coordinated Bachelor's and Advanced Degree Programs

### Location:

#1 College Way  
P.O. Box 490  
Green River, WY 82935  
(307) 875-2278



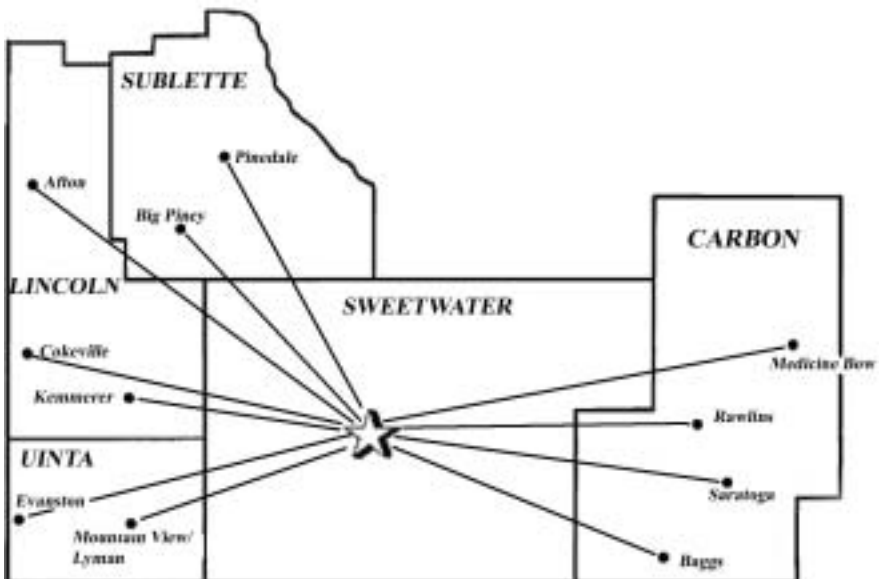
## EXTENDED EDUCATION

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 Extended Education is to provide courses and programs to non-traditional learners throughout Sweetwater, Sublette, Carbon, Lincoln, and Uinta counties. Extended Education is responsible for credit offerings in Afton, Big Piney, Baggs, Medicine Bow/Elk Mountain, Evanston, Kemmerer, Lyman, Mountain View, Pinedale, Rawlins, Saratoga, and their surrounding areas. Each of these communities has a coordinator who initiates and implements the local credit programs. To meet the varied needs of these students, Western offers courses through a variety of distance education media including videotaped, compressed video, and Internet. 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 Extended Education programs in their area should contact their local coordinator. Coordinators' names and telephone numbers may be obtained by calling the WWCC Extended Education office at 382-1807 or looking at our web site at [www.wvcc.cc.wy.us/dist\\_ed/outreach.htm](http://www.wvcc.cc.wy.us/dist_ed/outreach.htm)





# 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 and the honors colloquium with a 3.25 or better grade point average in 15 hours per semester 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 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) required to meet with the Advising Coordinator or his/her designee; 2) required to take specific courses, limit credit load and follow other restrictions as appropriate; 3) not allowed to register for subsequent semester classes until meeting with the Advising Coordinator and they have been authorized to register. 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 must 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).
    - 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. All probationary students will be required to develop a performance contract until they are once again in good standing.
4. **Academic Suspension**—Students who are on probation and who achieve 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 Enrollment Services. 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 Dean for Student Affairs.

## 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 class 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 Enrollment Services. 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 **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 Enrollment Services or the Dean for Student Affairs 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, Dean for Student Affairs, or the Dean of Academic Affairs. 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 two weeks 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 WebAdvisor or obtain a course add form from Enrollment Services. There are special late charges, and tuition will be adjusted according to the regular tuition schedule.

Learning Center and Co-op/Internship Work Experience may be added during the first half of the semester. Flexible entry classes may be added until the flex-entry 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 two weeks 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 (first two weeks of class), students drop individual classes by coming to Enrollment Services and filling out a drop form. Students may also use WebAdvisor to drop classes during the first two weeks of class – [www.wvcc.cc.wy.us](http://www.wvcc.cc.wy.us). No signatures are necessary and the class 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 class until 10 school days after mid-semester. They may withdraw from "blocked" courses until 5 class days after the middle of the course for 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 classes 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 Enrollment Services and the concerned instructor. No withdrawals will be permitted during finals 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 Enrollment Services:
  - a. A drop form for students who are dropping one or more of the classes for which they are registered.
  - b. A withdrawal form for students who are dropping all of the classes for which they are registered (or the only class for which they are registered).
2. Follow the instructions on the form. **Return the form to Enrollment Services or appropriate off-site office before the drop is official.**
3. WebAdvisor may be used, in lieu of forms, during the first two weeks of class, if the student is not dropping all courses. Complete withdrawals must be made through Enrollment Services 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 classes 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 Enrollment Services or appropriate off-campus office. Complete withdrawals cannot be done through WebAdvisor.

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 Enrollment Services 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 in the Schedule of Classes. **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. 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 class 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.

## 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 and eligibility for intercollegiate athletic competition, and honors. The grade point average is computed as follows:

Semester Hours	Grade .....	Points
English .....	A (3x4) .....	12
Political Science .....	B (3x3) .....	9
Mathematics .....	C (3x2) .....	6
History .....	A (3x4) .....	12
Student Success .....	A (2x4) .....	8
14		47

Divide the total points by semester hours:  $47/14 = 3.35$  GPA

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 Dean of Academic Affairs a completed change of grade form. With the Dean's approval, the student's record will then be corrected by Enrollment Services. 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 grade reports are sent to students who have 'D' or 'F' grades. Such grades are not posted on the student's permanent academic record. The purpose of these reports is to call unsatisfactory progress to the attention of the student and the faculty advisor. Only 'D' and 'F' are listed on the midterm grade report.

Semester grades may be checked by the student on WebAdvisor at [www.wvcc.cc.wy.us](http://www.wvcc.cc.wy.us). Semester grades are mailed only to students on academic alert, probation or suspension unless otherwise requested. Students requesting hard copies may contact Enrollment Services.

## 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 bulletin every semester, students should plan to enroll in the courses outlined in the suggested programs. Courses with enrollments under 8 students may be cancelled for fiscal and quality of instruction reasons. Decisions about cancelled classes will be made by the end of the first week of classes whenever possible. If a student is concerned about whether a class will be cancelled, he/she should contact Enrollment Services. 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 a shiftworker's schedule. Video-taped courses, Internet courses, and open-entry occupational courses are particularly appropriate. However, many regularly scheduled courses can also accommodate a shiftworker's changing schedule.

Instructors have agreed to tape-record the class or make other accommodations when a shiftworker/student has to miss a class for work. Overall, shiftworker/students are responsible for coming to class when their work schedule permits and for keeping up with the course schedule through the tapes, although occasionally due dates may have to be adjusted.

## 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, or Western's web site, for details on the Standards of Conduct.

### 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 Dean of Academic Affairs. However, if the grievance is not resolved after the 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 Academic Dean no later than 45 calendar days after the end of the semester in which the grievance occurred. Students may not pursue grievances after this time limit.

### Non-Academic Grievance (Complaints About Unfair Treatment)

The College has a grievance procedure available to hear student complaints about unfair treatment, including suspension and dismissal from the College. This nonacademic grievance procedure seeks to ensure that students are treated fairly with due process.

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

The entire policy may be found in the student handbook on the College website [www.wwcc.cc.wy.us](http://www.wwcc.cc.wy.us), or by contacting the Office of the Dean for Student Affairs.

## TRANSCRIPTS

Official transcripts of the student's entire academic record at Western Wyoming Community College may be obtained from Enrollment Services. 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 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.

Official transcripts can be given directly to the student and are marked issued to student. They should generally be sent directly to other colleges or universities, job sites, etc. 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 Enrollment Services.**



# GRADUATION INFORMATION



## APPLICATION FOR GRADUATION

At least one month prior to their last semester's registration, all candidates for graduation must file a Graduation Application with Enrollment Services. The purpose of this procedure is to allow this office to check whether the student has satisfied all College requirements for graduation. Fall Application date is in early May. Spring and Summer graduates should apply by the application date in early November.

## DEGREES AND CERTIFICATES OFFERED

The following degrees and certificates are offered at WWCC: Associate of Arts, Associate of Fine Arts, Associate of Nursing, and Associate of Science primarily for those students planning to transfer to four-year and professional schools; Associate of Applied Science primarily for those completing vocational and technical programs; and Skills Proficiency Certificates in occupational and academic areas.

**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.

**Skills Proficiency Certificate:** 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 Enrollment Services.

## 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 (AA & AS degrees) and six hours of Coop (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. Portfolio/capstone course with a passing grade;
2. Assessments given on Assessment Day; Alternate assessment times will be provided only in the event of a documented emergency.
3. Assessment activity approved by the advisor and the Learning Assessment Center. Documentation must be submitted to Enrollment Services no later than two weeks before graduation.

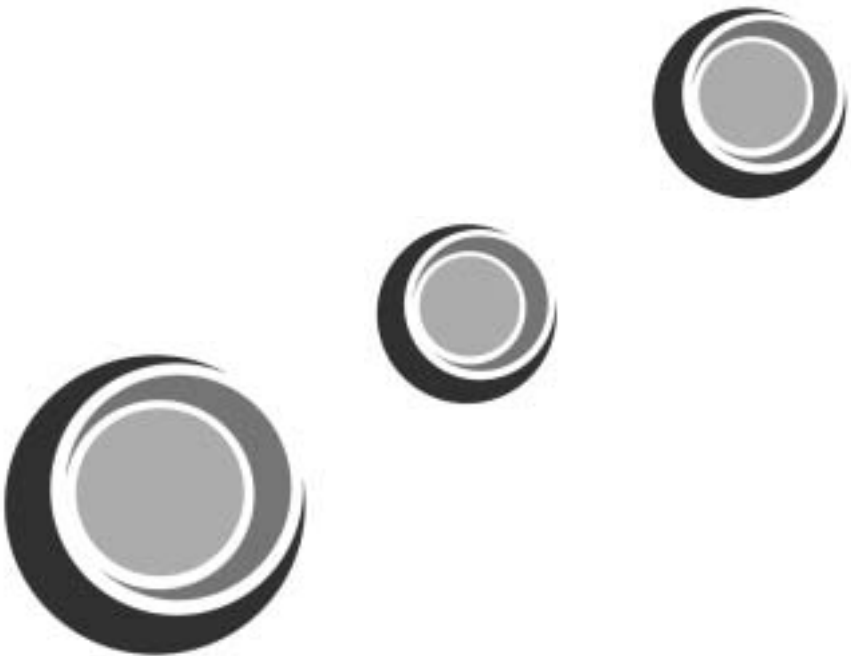
## CANDIDATES FOR CERTIFICATES

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 August, December, or May. Students with conflicts may simply write a letter explaining the conflict to be excused.
- Students pay the direct cost of diplomas and caps and gowns. Students will be notified annually of the actual 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 64 semester hours of credit. Of these 64, 25-31 hours are designated for major area coursework and electives. The student, therefore, has considerable flexibility in choosing courses.

### General Education Requirements:

<b>English (ENGL 1010 &amp; 1020, 1111, or 2010)</b> .....	<b>6 hours</b>
Students must achieve a "C" or better grade in each course.	
<b>United States Government</b> .....	<b>3-6 hours</b>
Students may fulfill this requirement by completing POLS 1000 or both HIST 1210 and 1250. State law requires students to successfully complete a course in the United States and Wyoming Constitutions. Students must achieve a "C" or better grade.	
<b>Social Science</b> .....	<b>6 hours</b>
<b>Humanities &amp; Applied Arts</b> .....	<b>9 hours</b>
Students must complete at least one class 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.	
<b>Health &amp; Human Activity</b> .....	<b>2 hours</b>
Students may select courses from all activity courses (PEAC courses), dance, nutrition, first aid, CPR, and wellness courses. Students who served in the military may receive two hours of physical education credit upon submission of their DD-214.	
<b>Science and Mathematics</b> .....	<b>7-9 hours</b>
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.	
<b>Assessment</b> .....	<b>0-1 hour</b>
Students must complete the WWCC assessment requirement for graduation. They may do so by taking a department-specific capstone class, the Academic Portfolio class (HMDV 2410) or by attending the designated Assessment Day.	
<b>Total General Ed. Requirements</b> .....	<b>33-39 hours</b>
<b>Major Area Coursework Electives</b> .....	<b>25-31 hours</b>
<b>Total Hours Required</b> .....	<b>64 hours</b>

- 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 towards 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 64 semester hours of credit. Of these 64, 23-27 hours are designated for major area coursework and electives. The student, therefore, has considerable flexibility in choosing courses.

### General Education Requirements:

<b>English (ENGL 1010 &amp; 1020, 1111, 2010)</b> .....	<b>6 hours</b>
Students must achieve a "C" or better grade in each course.	
<b>United States Government</b> .....	<b>3-6 hours</b>
Students may fulfill this requirement by completing POLS 1000 or both HIST 1210 and 1250. State law requires students to successfully complete a course in the United States and Wyoming Constitutions. Students must achieve a "C" or better grade.	
<b>Social Science, Humanities, &amp; Applied Arts</b> .....	<b>9 hours</b>
Students must complete at least one course from two of the areas listed above.	
<b>Health &amp; Human Activity</b> .....	<b>2 hours</b>
Students may select courses from all activity classes (PEAC classes), dance, nutrition, first aid, CPR, and wellness courses. Students who served in the military may receive two hours of physical education credit upon submission of their DD-214.	
<b>Science and/Mathematics</b> .....	<b>14 hours</b>
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.	
<b>Computer Course</b> .....	<b>3 hours</b>
This course may be chosen from programming or applications courses only. Eligible courses: CMAP 1705, 1750, 1800, 1900, 1905, COSC 1010, 1200, ES 1060	
<b>Assessment</b> .....	<b>0-1 hour</b>
Students must complete the WWCC assessment requirement for graduation. They may do so by taking a department-specific capstone class, the Academic Portfolio class (HMDV 2410) or by attending the designated Assessment Day.	
<b>Total General Education Requirements</b> .....	<b>37-41 hours</b>
<b>Major Area Coursework, Electives</b> .....	<b>23-27 hours</b>
<b>Total Hours Required</b> .....	<b>64 hours</b>

- 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 towards graduation.
- At least 14 hours of coursework must be completed through Western Wyoming Community College.

## REQUIREMENTS FOR THE ASSOCIATE OF FINE ARTS DEGREE

Every student must complete 70 semester hours of credit. Of these 70 credits, a minimum of 35 hours must be completed by the student in the designated field of study. 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, page 89.

## 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 98.



## REQUIREMENTS FOR THE ASSOCIATE OF APPLIED SCIENCE DEGREE

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

Approved majors for the Associate of Applied Science Degree:

- Accounting
- Automotive Technology
- Legal Assistant
- Electricity/Electronics/  
Instrumentation Technology
- Engineering Technology
- Human Services
- Industrial Maintenance
- Marketing and E-Commerce
- Medical Office Assistant
- Mining Maintenance Technology
- Office Information Systems
- Plant Operations
- Welding Technology

### General Education Requirements:

<b>English</b> .....	<b>6 hours</b>
Students must complete ENGL 1010 & 1020, 1111 or 2010. Students must receive a “C” or better grade in each course.	
<b>United States Government</b> .....	<b>3-6 hours</b>
Students may fulfill this requirement by completing POLS 1000 or both HIST 1210 and 1250. State law requires students to successfully complete a course in the United States and Wyoming Constitution. Students must receive a “C” or better grade.	
<b>Social Science, Humanities, Applied Arts,</b>	
<b>Approved Business Courses</b> .....	<b>6 hours</b>
Students must complete one course each from at least two of the areas above.	
<b>Science and/or Mathematics</b> .....	<b>3-4 hours</b>
Students must complete a college level math or science course	
<b>Health &amp; Human Activity</b> .....	<b>2 hours</b>
Students may select courses from all activity classes (PEAC classes), dance, nutrition, first aid, CPR, and wellness courses. Students who served in the military may receive two hours of physical education credit upon submission of their DD-214.	
<b>Assessment</b> .....	<b>0-1 hour</b>
Students must complete the WWCC assessment requirement for graduation. They may do so by taking a department-specific capstone class, the Academic Portfolio class (HUMN 2410) or by attending the designated Assessment Day.	
<b>Total General Education Requirements</b> .....	<b>20-24 hours</b>
<b>Degree Area Coursework</b> .....	<b>24 hours</b>
All 24 hours must be completed in the major area department.	
<b>Directly Related Coursework</b> .....	<b>12 hours</b>
Coursework must be in the same division or be a Curriculum Committee approved course for the related area.	
<b>Electives</b> .....	<b>5-8 hours</b>
<b>Total Hours Required</b> .....	<b>64 hours</b>

- 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 approved graduation S/U courses.
- 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 coop education allowable towards graduation.



# GENERAL EDUCATION

Western has developed a curriculum that integrates the College's 5 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 50-53 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 2004-2005 catalog. Courses taken previously may not be listed though may count towards graduation.

## ENGLISH

### ENGLISH I

ENGL 1010

ENGLISH COMPOSITION I ..... 3 CREDITS

### ENGLISH II

ENGL 1020

ENGLISH COMPOSITION II ..... 3 CREDITS

ENGL 1111\*

ADVANCED COMPOSITION ..... 3 CREDITS

ENGL 2010\*

TECHNICAL WRITING ..... 3 CREDITS

## UNITED STATES GOVERNMENT

### POLITICAL SCIENCE

POLS 1000

AMERICAN &amp; WYOMING GOVT ..... 3 CREDITS

OR

### HISTORY

HIST 1210\*

U.S. HISTORY I: TO 1877 ..... 3 CREDITS

HIST 1250\*

HISTORY OF WYOMING ..... 3 CREDITS

## SOCIAL SCIENCE

### ANTHROPOLOGY

ANTH 1100

INTRO TO PHYSICAL ANTHRO ..... 3 CREDITS

ANTH 1200

INTRO. TO CULTURAL ANTHRO ..... 3 CREDITS

ANTH 1250

INTRO TO WYOMING ARCH. .... 2 CREDITS

ANTH 1300

INTRO. TO ARCHAEOLOGY ..... 3 CREDITS

ANTH 2200

WORLD ETHNOGRAPHY ..... 3 CREDITS

ANTH 2210

NORTH AMERICAN INDIANS ..... 3 CREDITS

ANTH 2300

ARCHAEOLOGICAL METHODS ..... 2 CREDITS

ANTH 2311

PREHISTORIC ARCH. FIELD METH. .... 1-4 CREDITS

ANTH 2312

HISTORICAL ARCH. FIELD METH. .... 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 2220

CRIMINAL LAW II ..... 3 CREDITS

CRMJ 2400

CRIMINOLOGY ..... 3 CREDITS

CRMJ 2420

JUVENILE JUSTICE ..... 3 CREDITS

CRMJ 2450

ETHICS IN CRIMINAL JUSTICE ..... 2 CREDITS

CRMJ 2460

POLITICAL CRIME ..... 3 CREDITS

CRMJ 2550

CRIMINAL INVESTIGATION I ..... 3 CREDITS

CRMJ 2560

CRIMINAL INVESTIGATION II ..... 3 CREDITS

CRMJ 2580

CRISIS INTERVENTION (MGT) ..... 3 CREDITS

CRMJ 2590

DRUGS &amp; CRIMINAL JUSTICE ..... 3 CREDITS

### ECONOMICS

ECON 1010

MACRO ECONOMICS ..... 3 CREDITS

ECON 1020

MICRO ECONOMICS ..... 3 CREDITS

ECON 2480

ECONOMIC PROBLEMS ..... 3 CREDITS

## SOCIAL SCIENCE CONTINUED

**EDUCATION**

EDCI 1000	EDUCATION EXPERIENCE PROSPECTIVE TEACHERS .....	2 CREDITS
EDCI 1020	INTRODUCTION TO EARLY CHILDHOOD EDUCATION .....	3 CREDITS
EDCI 1025	EARLY CHILDHOOD PRACTICUM I .....	1 CREDIT
EDCI 1100	OBSERVATION & GUIDANCE OF YOUNG CHILDREN .....	3 CREDITS
EDCI 1300	CURR. PLAN. & DEV. FOR YOUNG CHLD. ....	3 CREDITS
EDCI 1410	ELEMENTARY SCHOOL MATHEMATICS I .....	1 CREDIT
EDCI 1420	ELEMENTARY SCHOOL MATHEMATICS II .....	1 CREDIT
EDCI 1440	PHYS. SCIENCE IN THE ELEM. SCHOOL SEMINAR .....	1 CREDIT
EDCI 2021	PRACTICUM IA .....	1 CREDIT
EDCI 2041	PRACTICUM IB .....	1 CREDIT
EDEX 1010	OVERVIEW OF SPECIAL EDUCATION .....	3 CREDITS
EDEX 2120	SPECIAL ED. INTERVENTION PROCESS .....	3 CREDITS
EDEX 2350	SPECIAL EDUCATION PRACTICUM .....	1 CREDIT
EDFD 1010	FIELD EXPERIENCE I .....	2 CREDITS
EDFD 2020	FOUNDATIONS OF EDUCATION .....	3 CREDITS
EDFD 2040	FOUNDATIONS OF LEARNING .....	3 CREDITS
EDFD 2451	LIFE SPAN: ADULTHOOD .....	1 CREDIT
EDUC 1000	BASIC READING FOR TUTORS .....	1 CREDIT
EDUC 1100	EL TUTOR TRAINING .....	1 CREDIT

**GEOGRAPHY**

G&R 1000	INTRO. TO GEOGRAPHY .....	3 CREDITS
G&R 1050*	INTRO. TO NATURAL RESOURCES .....	3 CREDITS
G&R 1060	RIVER ENVIRONMENTAL STUDIES .....	2 CREDITS
G&R 1070	WAYS OF THE RIVER .....	2 CREDITS
G&R 1210	INTRO TO OUTDOOR RECREATION .....	3 CREDITS

**HEALTH/PHYSICAL EDUCATION**

HLED 1003*	WELLNESS .....	3 CREDITS
HLED 1222	WILDERNESS FIRST AID .....	2 CREDITS
HLED 1225*	FIRST AID AND CPR .....	2 CREDITS
PEPR 1005	INTRO TO PHYSICAL EDUCATION .....	3 CREDITS
PEPR 2091	SPORTS OFFICIATING I .....	2 CREDITS
PEPR 2120	INTRO. TO EXERCISE PHYSIOLOGY .....	3 CREDITS
PEPR 2130	FITNESS LEADERSHIP TRAINING .....	3 CREDITS
PEPR 2170	THEORY & PRACTICE OF INDIV. SPORTS .....	2 CREDITS
PEPR 2180	ORG. & ADMIN. OF INTRAMURALS .....	3 CREDITS

**HISTORY**

HIST 1110*	WESTERN CIVILIZATION I .....	3 CREDITS
HIST 1120*	WESTERN CIVILIZATION II .....	3 CREDITS
HIST 1210*	U.S. HISTORY I: TO 1877 .....	3 CREDITS
HIST 1220	U.S. HISTORY II: SINCE 1877 .....	3 CREDITS
HIST 1250*	HISTORY OF WYOMING .....	3 CREDITS
HIST 1290	HISTORY OF THE U.S. WEST .....	3 CREDITS
HIST 1320	WORLD CIVILIZATION TO 1450 .....	3 CREDITS
HIST 1330	WORLD CIVILIZATION FROM 1450 .....	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 1420	LABOR HISTORY .....	1-3 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
HIST 2480	RESEARCH IN 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 .....	4 CREDITS
POLS 2000	CURRENT ISSUES IN AMERICAN GOVT. ....	3 CREDITS
POLS 2050	AMERICAN POLITICAL PARTIES & ELEC. ....	3 CREDITS



**SOCIAL SCIENCE CONTINUED**

POLS 2128	TERRORISM .....	3 CREDITS
POLS 2210	CRIMINAL LAW .....	3 CREDITS
POLS 2310	INTRO TO INTERNATIONAL RELATIONS .....	3 CREDITS
POLS 2320	MODERN MEXICO: POLITICS & SOC .....	3 CREDITS
POLS 2420	WOMEN AND POLITICS .....	3 CREDITS
POLS 2465	RESEARCH METHODS IN POLS .....	3 CREDITS
POLS 2470	GOVERNMENT INTERNSHIP I .....	VARIABLES
POLS 2471	GOVERNMENT INTERNSHIP II .....	VARIABLES

**PSYCHOLOGY**

PSYC 1000	GENERAL PSYCHOLOGY .....	4 CREDITS
PSYC 1050	HUMAN PSYCHOLOGY .....	2 CREDITS
PSYC 1300	DOMESTIC VIOLENCE/SEX ASSAULT .....	2 CREDITS
PSYC 2000	RESEARCH PSYCHOLOGY METHODS .....	4 CREDITS
PSYC 2040	ANIMAL BEHAVIOR .....	3 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 1200	INTRO TO SOCIAL WORK .....	3 OR 4 CREDITS
SOC 1300	INTRO TO CULTURAL SOCIOLOGY .....	3 CREDITS
SOC 2200	HUMAN SEXUALITY .....	3 CREDITS
SOC 2325	MARRIAGE & THE FAMILY .....	3 CREDITS
SOC 2350	RACE & ETHNIC RELATIONS .....	3 CREDITS
SOC 2400	CRIMINOLOGY .....	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

**ENGLISH**

ENGL 2140 & 2150	WORLD LITERATURE I&II .....	3 CREDITS EACH
ENGL 2210 & 2220	ENGLISH LITERATURE I & II .....	3 CREDITS EACH
ENGL 2250 & 2260	WOMEN IN LITERATURE I & II .....	3 CREDITS EACH
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 2400	INTRODUCTION TO FOLKLORE .....	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
SPAN 2300	SPANISH COMPOSITION & CONVERSATION .....	1-4 CREDITS

**HUMANITIES CONTINUED****HISTORY**

HIST 1110\* & 1120\* WESTERN CIVILIZATION I & II ..... 3 CREDITS

**HUMANITIES**

HUMN 1010 INTRO. TO HUMANITIES (HONOR'S) ..... 3 CREDITS

HUMN 1090 FEMININE MYTHOLOGY ..... 3 CREDITS

HUMN 2460 FIELD STUDIES IN HUMANITIES ..... 2 CREDITS

HUMN 2486 WESTERN AMERICAN STUDIES SEMINAR: ..... 3 CREDITS

**LIBRARY SCIENCE**

LIBS 1140 STORYTELLING ..... 2 CREDITS

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

**MUSIC**

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

MUSC 1058 MUSIC COMPOSERS ..... 1 CREDIT

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 1100 CRITICAL THINKING ..... 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 1050 DRAWING I ..... 3 CREDITS

ART 1060 DRAWING II ..... 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 1174 PORTRAIT PHOTOGRAPHY ..... 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 2050 LIFE DRAWING I ..... 3 CREDITS

ART 2090 PRINTMAKING I ..... 3 CREDITS

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

ART 2120 GRAPHIC DESIGN ..... 13 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 2479-2488 SPECIAL PROJECTS IN ART ..... VARIES

**COMMUNICATIONS**

COMM 1010 PUBLIC SPEAKING ..... 3 CREDITS

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

COMM 1215 SIGNING EXACT ENGLISH II ..... 2 CREDITS

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

**APPLIED ARTS CONTINUED**

COMM 2100 & 2105	REPORTING & NEWSWRITING .....	3 CREDITS
COMM 2110	NONVERBAL COMMUNICATION .....	3 CREDITS
COMM 2120	SMALL GROUP COMMUNICATION .....	3 CREDITS
COMM 2250	ORGANIZATIONAL COMMUNICATION .....	3 CREDITS
COMM 2270	PUBLIC RELATIONS .....	3 CREDITS
COMM 2300	GRAPHIC DESIGN FOR DESKTOP PUBLISH. ....	3 CREDITS
COMM 2470	INTERNSHIP IN JOURNALISM .....	VARIES

**ENGLISH**

ENGL 1111*	ADVANCED COMPOSITION .....	3 CREDITS
ENGL 2010*	TECHNICAL WRITING .....	3 CREDITS
ENGL 2050 & 2060	CREATIVE WRITING: PROSE I & II .....	3 CREDITS EACH
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 1150	GUITAR I .....	2 CREDITS
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	BEGINNING ACTING I .....	3 CREDITS
THEA 1110	ACTING FOR MUSICAL THEATRE .....	3 CREDITS
THEA 1200, 2148	SCENOGRAPHICS I & II .....	2 CREDITS
THEA 1300	SOCIAL DANCE .....	1 CREDIT
THEA 1410, 1420*	BALLET I/1, I/II .....	1 CREDIT EACH
THEA 1430, 1440*	MODERN DANCE I/1, I/II .....	1 CREDIT EACH
THEA 1450*	TAP DANCE .....	1 CREDIT
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 2050-2055	THEATRE PRACTICE I-VI .....	VARIES
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
THEA 2430, 2440*	MODERN DANCE II/I, II/II .....	1 CREDIT EACH

**HEALTH & HUMAN ACTIVITY****PHYSICAL ACTIVITY CLASSES**

PEAC 1011-2088	VARIOUS ACTIVITY COURSES .....	1 CREDIT EACH
PEAT 1010-1080	VARISITY ATHLETICS .....	1 CREDIT EACH
The following courses do not fulfill the Health and Human Activity requirement:		
PEAC 1276/1277	HORSEBACK RIDING I & II	

**THEATRE**

THEA 1300*	SOCIAL DANCE .....	1 CREDIT
THEA 1310	CORE CONDITIONING WHOLE BDY .....	1 CREDIT
THEA 1410, 1420*	BALLET I/1, I/II .....	1 CREDIT EACH
THEA 1430, 1440*	MODERN DANCE I/1, I/II .....	1 CREDIT EACH
THEA 1450*	TAP DANCE .....	1 CREDIT
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
THEA 2430, 2440*	MODERN DANCE II/I, II/II .....	1 CREDIT EACH

**HEALTH & HUMAN ACTIVITY CONTINUED****HEALTH/FITNESS/NUTRITION**

HLED 1003*	WELLNESS .....	3 CREDITS
HLED 1004	COMMUNITY WELLNESS .....	2 CREDITS
HLED 1222	WILDERNESS FIRST AID .....	2 CREDITS
HLED 1225*	FIRST AID AND CPR .....	2 CREDITS
HLED 1271	WEIGHT MANAGEMENT .....	1 CREDIT
HLTK 1630	CARDIOPULMONARY RESUSCITATION .....	1 CREDIT
HOEC 1140*	NUTRITION .....	3 CREDITS

**LABORATORY SCIENCE****BIOLOGY**

BIOL 1000	PRINCIPLES OF BIOLOGY .....	4 CREDITS
BIOL 1010 & 2020	GENERAL BIOLOGY I & II .....	4 CREDITS EACH
BIOL 2000	GENERAL ZOOLOGY .....	4 CREDITS
BIOL 2010 & 2015	HUMAN ANATOMY & PHYSIOLOGY I & II .....	4 CREDITS EACH
BIOL 2080*	PSYCHOBIOLOGY .....	4 CREDITS
BOT 1000	GENERAL BOTANY .....	4 CREDITS
MOLB 2210	GENERAL MICROBIOLOGY .....	4 CREDITS
MOLB 2220	PATHOGENIC MICROBIOLOGY .....	4 CREDITS
(MAY NOT COUNT BOTH BIOL 1000 AND 1010)		

**CHEMISTRY**

CHEM 1000	INTRODUCTORY CHEMISTRY .....	4 CREDITS
CHEM 1020 & 1030	GENERAL CHEMISTRY I & II .....	4 CREDITS EACH
CHEM 1090	FUND OF THE PHYSICAL UNIVERSE .....	4 CREDITS
CHEM 2230	QUANTITATIVE ANALYSIS .....	4 CREDITS
CHEM 2290	INTRO TO COMP. BIOCHEMISTRY .....	4 CREDITS
CHEM 2320 & 2340	ORGANIC CHEMISTRY I & II .....	4 CREDITS EACH
(MAY NOT COUNT BOTH CHEM 1000 & 1020)		

**GEOLOGY**

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

**PHYSICS**

PHYS 1050	CONCEPTS IN PHYSICS .....	4 CREDITS
PHYS 1080	PRINCIPLES OF TECHNOLOGY I (A.A.S. DEGREE ONLY) .....	4 CREDITS
PHYS 1110, 1120	GENERAL PHYSICS I & II .....	4 CREDITS EACH
PHYS 1310, 1320	COLLEGE PHYSICS I & II .....	4 CREDITS EACH

**PSYCHOLOGY**

PSYC 2080	PSYCHOBIOLOGY .....	4 CREDITS
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**MATHEMATICS****MATHEMATICS**

MATH 1000	PROBLEM SOLVING .....	3 CREDITS
MATH 1050	FINITE MATHEMATICS .....	4 CREDITS
MATH 1100, 1105	MATH FOR ELEM. ED. TEACHERS I & II .....	3 CREDITS EACH
MATH 1200	APPLIED COLLEGE ALGEBRA .....	3 CREDITS
MATH 1400	PRECALCULUS ALGEBRA .....	4 CREDITS
MATH 1405	PRECALCULUS TRIGONOMETRY .....	3 CREDITS
MATH 1450	ALGEBRA & TRIGONOMETRY .....	5 CREDITS
MATH 2200, 2205, 2210	CALCULUS I-III .....	5 CREDITS EACH
MATH 2250	ELEMENTARY LINEAR ALGEBRA .....	3 CREDITS
MATH 2310	APPLIED DIFFERENTIAL EQUATIONS .....	3 CREDITS
MATH 2350, 2355	BUSINESS CALCULUS I & II .....	4 CREDITS EACH
(MAY NOT COUNT BOTH MATH 1200 AND MATH 1400)		

**STATISTICS**

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

**ADDITIONAL MATH AND SCIENCE COURSES FOR ASSOCIATE OF SCIENCE STUDENTS**

ASTR 1000	ASTRONOMY .....	3 CREDITS
BIOL 1040	ANIMAL HEALTH .....	3 CREDITS
BIOL 1210	WYOMING FLORA .....	1 CREDIT
BIOL 1220	BIRDING .....	2 CREDIT
BIOL 2400	GENERAL ECOLOGY .....	3 CREDITS
*G&R 1050	INTRO TO NATURAL RESOURCES .....	3 CREDITS
GEOL 2080	GENERAL FIELD GEOLOGY .....	2 CREDITS
PHYS 1090	FUNDAMENTALS OF THE PHYSICAL UNIVERSE .....	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 1900	INTEGRATED APPS. I: .....	3 CREDITS
CMAP 1905	INTEGRATED APPS. II: .....	3 CREDITS

**COMPUTER SCIENCE**

COSC 1010	COMPUTER SCIENCE I .....	3 CREDITS
COSC 1200	COMPUTER INFORMATION SYSTEMS .....	3 CREDITS

**ENGINEERING**

ES 1060	INTRO TO ENGINEERING COMPUTING .....	3 CREDITS
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**ASSESSMENT**

ANTH 2800	ANTHROPOLOGY ACAD PORT/CAPSTONE .....	2 CREDITS
ART 2500	ART PORTFOLIO .....	VARIES
EDUC 2800	EDUCATION CAPSTONE .....	2 CREDITS
HMDV 2410	ACADEMIC PORTFOLIO/CAPSTONE .....	1 CREDIT
MUSC 2500	MUSIC PORTFOLIO .....	VARIES
THEA 2500	THEATRE PORTFOLIO .....	VARIES

# YOUR EDUCATION AFTER WESTERN



## Completing a Bachelors or Masters in Rock Springs

Currently four 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: Some courses meet on the Rock Springs campus at specific times; some you can complete at home at your own speed via the Internet or videotape.

### University of Wyoming

The University of Wyoming maintains an Outreach office on the Western campus and offers 10 different 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  
Agricultural Business  
Nursing  
Psychology  
Social Science  
Business Administration (online)

#### **Masters Programs**

Business Administration  
Education, Adult Learning  
Public Administration  
Speech-Language Pathology

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

### Regis University

Site-bound students have the opportunity to complete a Bachelor's degree in Business Administration or Education while living at home. An articulation agreement between WWCC and Regis University makes this process easy. This transfer agreement allows students to transfer as many as 98 credits from WWCC. Regis can provide the list of specific WWCC courses that transfer. A minimum of 30 credits must be completed from Regis.

The Business program has two options. **Option One** allows a student to receive an Associate of Science at WWCC in addition to a Bachelor's of Science in Business Administration through Regis University. It requires more mathematics courses than Option Two. WWCC recommends this program for students who wish to pursue an MBA at an AACSB certified school, such as UW or USU. **Option Two** follows Regis' suggested program in which a student would complete a total of 128 credit hours for a bachelor's degree. If a student follows this option, he or she will not meet the mathematics requirements for an Associate of Science at WWCC. Students following this program have entered reputable MBA programs and succeeded.

Contact the Regis representative at 1-800-390-0891 for more information. You can also visit the Regis website at <http://www.regis.edu/spsundergrad> for more information.

### Franklin University

Western has an agreement with Franklin University whereby a WWCC graduate with an Associate of Arts or Science may complete a bachelor's degree online in the programs listed below.

Accounting  
Computer Science  
Management Information Systems  
Digital Communication  
Information Technology

Business Administration  
Management  
Applied Management  
Health Care Management  
Public Safety Management

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/>. Contact Ms. Lauri McClain at 307-382-1768 or at [lmclain@wwcc.cc.wy.us](mailto:lmclain@wwcc.cc.wy.us) for more information.

## Utah State University

Utah State University delivers Bachelor and Master degree programs to Rock Springs, Evanston, Afton, and Kemmerer. Rock Springs campus offers USU satellite courses in the "...Beyond Western" degree program. Sweetwater County BOCES funded equipment for the Rock Springs satellite program. USU currently charges in-state tuition to Wyoming for these programs.

### Bachelors Degrees

Business Administration  
Business Information Systems  
Interdisciplinary Studies  
Psychology

### Masters Degrees

Business Information Systems  
Education (Elementary & Secondary)  
Human Environments  
Human Resource Management

Visit our website at <http://www.wwcc.cc.wy.us/programs/usu/usudegrees.htm> or call 307-382-1672 for more information on each of the degree programs or a schedule of courses for Rock Springs. Degree offerings from USU are subject to change.

## 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 (called University Studies at UW) requirements with the exception of a second math requirement. Students can complete the second mathematics course either at WWCC or at the University.
- 2. Course Numbering System is the Same:** UW and all 7 Wyoming Community Colleges use the same name and number for all 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 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 Enrollment Services have copies of the Transfer Guide.
- 4. No Limit on Number of Credit Hours That Transfer:** There is no limit to the number of credits WWCC students may transfer to UW; however, how these courses fulfill requirements specific to a UW program of study will be evaluated on a course-by-course basis.
- 5. Transfer Agreement for Students Who Transfer Without an AA or AS:** Students who transfer with less than an AA or AS degree or with an occupational degree, or other associate degree, will have their transcript evaluated on a course-by-course basis based on the Transfer Guide. Such students will have to meet UW's general education requirements, i.e. complete WWCC courses that meet UW's University Studies requirement. Students should notify their advisor if they plan to transfer to UW without completing an AA or AS.

UW's University Studies courses can be found at <http://uwadmnweb.uwyo.edu/unst/>

## CERTIFICATES AND OCCUPATIONAL PROGRAMS

Certificates and Associate of Applied Science degrees, generally in occupational 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. A student may choose from four options: an Associate of Applied Science (A.A.S.), a Two-year Certificate of Completion, a One-year Certificate of Completion, and short Certificates (less than 30 credits). 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.

Accounting	International Business/ESL
Administrative Assistant	Legal Assistant
Automotive Technology	Marketing and E-Commerce
Clerk-Typist	Medical Office Assistant
Diesel and Heavy Equipment	Mining Maintenance Technology
Maintenance and Repair	Office Information Systems
Electricity Technology	Plant Operations
Electrical Apprenticeship	Power Plant Maintenance Mechanics
Engineering Technology	Surface Maintenance Mechanics
English As A Second Language	Technical Theatre
Fitness Leadership	Website Development
Human Services	Underground Maintenance Technology
Instrumentation Technology	Welding Technology
Industrial Maintenance	Western American Studies

## 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 Science  
Economics  
Marketing

### Fine Arts/ Performing Arts:

Art  
Ceramics  
Dance  
Music  
Musical Theatre  
Photography  
Technical Theatre  
Theatre

### Humanities:

Communication  
English  
Journalism  
Organizational  
Communication  
Spanish  
Western American Studies

### Mathematics & Science:

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



**Social Science:**

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

**Health:**

Exercise Science  
 Nursing  
 Outdoor Leadership  
 Pre-Dentistry  
 Pre-Dental Hygiene  
 Pre-Medicine  
 Pre-Nursing (BSN)  
 Pre-Occupational Therapy  
 Pre-Physical Therapy  
 Pre-Radiology

## HANDS-ON LEARNING

Experimental learning for college credit through the Cooperative Education and Departmental Internship programs.



### Purpose of Cooperative Education & Internship Experience

Cooperative education and internships offer opportunities for students to truly get hands-on experience in a chosen profession. During internships or coops students work with professionals learning the practical aspects of an academic field. 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.

Coops are typically in the occupational areas and provide part-time employment as well as meaningful, practical professional experience that relates to the student's major. Internships provide work experience in the academic careers, typically careers that require a bachelors or masters degree.

Both of these areas, cooperative education and departmental internships, are described in detail in the following sections.

### Registration for Coop/Internship Courses

Registration for these classes must be completed by the specified date in the schedule. The latest date that these courses may begin is the open-entry/open exit 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 Enrollment Services prior to registration.

### Credit Hours

Contact hours for an internship/coop experience are 4:1 (4hrs/wk/15 weeks for 1 credit hour – 62.5 contact hours per semester). Because these course 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), 1-4 hours of credit (coop) in one semester. However, a maximum of 4 credit hours can count towards an AA or AS degree.

Maximum allowable credit for graduation:

- Internship (AA & AS degrees)—4 hours
- Coop (AAS degrees)—6 hours

Students may not receive credit from more than one source (Coop or Internship)

## General Guidelines

### COURSE NUMBER

See the “Course Descriptions” section of the Catalog. Each department has a coop or internship category, which may be used. Coop numbers (2480) are used for occupational programs. Internship (2470) is used for academic programs.

### SUPERVISION

A full-time WWCC faculty member must supervise all coop/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/coop 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.

## Cooperative Education 1-4 Credits (6 credits maximum)

### PURPOSE

To provide students with an opportunity to evaluate their probable career or college major through a work experience. Coops are generally in the occupational areas and provide part-time employment as well as meaningful, practical professional experience.

### SPECIFIC PURPOSE

During a Co-op experience, students should study personal relationships on the job with peers, supervisors, and subordinates. They should learn to establish good working attitudes and habits, and learn to establish good work goals. They should also learn something about customer/client relations (when possible). Consideration should be given by the students’ “self-analysis” to the end that they can determine if the kind of work is the same kind of work in which they would like to continue. Between career information and the Co-op class, students can experience and discuss work relations, attitudes, and problems. They become aware of trying to apply general theory and philosophy to practice and become aware (in general) of what kind of work experience they like or dislike.

## Departmental Internships

### PURPOSE

Internships provide students with an opportunity to evaluate their probable career or college major through a real-world work experience. 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, therefore, must check with the department to see if they meet that department’s qualifications.

**EDUCATION** students are placed in schools during their first year and also have opportunities for internships that allow for long-term relationships with local school districts. Thus, majors are better prepared when they are assigned to their first permanent teaching position.

**EARLY CHILDHOOD EDUCATION** students are placed in preschools to work with young children.

**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.

#### **ADVERTISING, JOURNALISM and PUBLIC RELATIONS**

Qualified 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.

**SOCIAL SCIENCES** have competitive internships for social science majors who have a 3.50 minimum G.P.A. and who have accumulated 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.

**POLITICAL SCIENCE** interns who 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.

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

**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.

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

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

**WESTERN STUDIES PROGRAM** interns work with the Bureau of Land Management, giving students practical experience in a variety of land management situations.

**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.

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 you pursue your education at WWCC will aid you as you 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

At Western Wyoming Community College the ability to communicate competently requires that students express ideas clearly and effectively, and receive meaning and interpret ideas through various modes of communication. Although speaking, writing, reading, and listening are considered primary modes of communication, these abilities are not enough to communicate effectively in the world today. These skills must be utilized along with other competencies that play a major role in communication as students learn to adjust to the needs of audiences. Computer skills, interpersonal communication skills, group communication skills, and leadership skills are all important to students' professional careers as well as their personal lives. Being able to interpret and produce ideas through various media including visual graphics and aural commentaries are also vital to communication today. Self expression through the arts is a profound means of communication that can affect students throughout their lives.

### Retrieve Information

The ability to retrieve information is especially 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 to retrieve information provides students with the skills to know how and where to locate the material necessary to help them solve problems in their professional and personal lives. Western Wyoming Community College considers this ability to be especially meaningful for the two-year college student. Learning to effectively utilize the library can be a new experience for many students and is critically important for information retrieval. Computer usage is also essential in developing the ability to retrieve information. Developing a personal data base, networking, and learning to seek out the expert are all necessary skills as students discover how to search for information.

## See Issues From Multiple Perspectives

At Western Wyoming Community College, students are encouraged to see issues from multiple perspectives and think about consequences. Global views of work, people, and life in a political, historical, and social context allow students the ability to make decisions regarding consequences. An understanding of professional ethics and environmental consequences provides students with the ability to become productive members of the community and the world. Seeing issues from multiple perspectives indicates an understanding and appreciation of diversity.

## Solve Problems

At Western Wyoming Community College the ability to solve problems indicates that students understand and apply specific methods for solving problems within various contexts and disciplines. Students must first be able to identify and clearly define the problem in question. A conceptual understanding of ideas and information allows students to make connections and seek a better understanding through critical thinking skills. Problem solving requires students to be able to analyze and interpret various kinds of data including quantitative and qualitative, subjective and objective information. The ability to sort and organize information, make decisions, and draw conclusions are all necessary ingredients to solving problems.

## Develop Life Skills

Western Wyoming Community College emphasizes the ability to develop life skills as being necessary to all students. The ability to take control of their lives is demonstrated as students learn to deal with bureaucracy, make decisions, and follow through. Establishing life goals, education goals, and career goals is an important part of developing life skills. Lifelong wellness skills where students learn to deal effectively with stress and demonstrate an understanding of how to develop as healthy human beings both physically and emotionally are vital aspects of the education received at Western as is appreciating life through arts, culture, recreation, and leisure.

## DEGREE INDEX

### Programs of Study

<b>Program</b>	<b>Page</b>	<b>Program</b>	<b>Page</b>
General Studies A.A. ....	73	Journalism .....	112
General Studies A.S. ....	74	Legal Assistant -OIS .....	82
Accounting .....	75	Maintenance Mechanics .....	132
Administrative Assistant .....	83	Marketing .....	80
Anthropology .....	121	Mathematics .....	119
Archaeology .....	121	Medical Office Assistant-OIS .....	82
Art .....	89	Medicine (Pre-).....	108
Automotive Technology .....	128	Middle School Endorsement .....	86
Biology .....	115	Mining Maintenance Technology .....	133
Business Administration .....	77	Music .....	91
Ceramics .....	90	Musical Theatre .....	91
Chemistry .....	115	Nursing .....	98
Clerk-Typist .....	83	Occupational Therapy (Pre-) .....	104
Communication .....	110	Office Information Systems .....	81
Computer Information Systems .....	78	Organizational Communication .....	111
Criminal Justice .....	122	Outdoor Leadership .....	104
Dance .....	90	Pharmacy (Pre-).....	109
Dental Hygiene (Pre-) .....	107	Photography .....	93
Dentistry (Pre-).....	108	Physical Therapy (Pre-).....	109
Diesel and Heavy Equipment .....	129	Plant Operators .....	134
Maintenance and Repair		Political Science .....	124
Diesel Technology .....	128	Pre-Law .....	124
Early Childhood Education .....	85	Psychology .....	125
Economics .....	79	Radiologic Technology (Pre-).....	105
Electronics/Instrumentation/ .....	129	Rangeland Ecology and Watershed .....	119
Control Technology		Management (Pre-)	
Elementary Education .....	84	Secondary Education .....	85
Engineering .....	116	Social Science .....	125
English .....	111	Social Work .....	126
English As A Second Language .....	87	Sociology .....	126
Environmental Science .....	118	Spanish .....	112
Exercise Science .....	97	Special Education .....	86
Fitness Leadership .....	97	Technical Theatre .....	93
Forestry (Pre-).....	119	Theatre .....	91,95
Geography .....	122	Veterinary (Pre-) .....	120
Geology .....	118	Web Site Development .....	78
History .....	122	Welding Technology .....	135
Human Services .....	123	Western American Studies .....	113
Industrial Maintenance .....	131	Wildlife Biology (Pre-).....	120
Instrumentation Technology .....	130		
International Business/ESL .....	88		
International Studies .....	124		

## 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 & Management
BOTK	Business Office Technology
BUSN	Business
CMAP	Computer Applications
COSC	Computer Science
ECON	Economics
FIN	Finance
LEGL	Legal Secretary
MGT	Management & Supervision
MKT	Marketing
MOA	Medical Office Assistant

### Career Development

CRDV	Career Development
------	--------------------

### Developmental Studies

BAS, DVST	Basic Skills
DVST, BAS	English for Speakers of Other Languages
HMDV	Student Success

### Fine Arts

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

### Health Science

HLTK	Allied Health Technology
HLED	Health Education
HOEC	Home Economics/Nutrition
NRST	Nursing
OCTH	Occupational Therapy
PEAC	Physical Activity
PEAT	Varsity Athletics
PEPR	Physical Education, Professional

### Humanities

COMM	Communications
EDCI	Education
EDEX	Education, Exceptional Child
EDFD	Education, Fundamentals
EDUC	Education, Recertification
ENGL	English
FREN	French
GERM	German
HUMN	Humanities
COMM	Communication & Journalism
LIBS	Library Science
PHIL	Philosophy
SPAN	Spanish

### Science & Mathematics

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

### Social Science & Services

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

### Technology & Industry

AUTO	Auto Technology
DESL	Diesel Technology
ELAP	Electrical Apprenticeship
ELTR	Electricity/Electronic/ Instrumentation Technology
INDM	Industrial Maintenance (Gen.)
MCH	Machine Technology
MINE	Mining Technology
PLOP	Plant Operators
TECH	Technology
WELD	Welding Technology

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



## GENERAL STUDIES

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 56 for specific courses that fulfill General Education requirements.

#### FIRST YEAR

Fall Semester	Credit	Spring Semester	Credit
English I (ENGL 1010) .....	3	English II (ENGL1020 or 2010) .....	3
College Level Math or Lab Science .....	3-4	Lab Science or College Level Math .....	3-4
Social Science .....	3	Humanities/Applied Arts .....	3
Elective .....	6	Health & Human Activity .....	2
	<b>15-16</b>	Elective .....	5
			<b>16-17</b>

#### SECOND YEAR

Fall Semester	Credits	Spring Semester	Credit
Amer. & Wyo. Gov't (POLS 1000**) .....	3	Social Science .....	3
Humanities/Applied Arts .....	3	Humanities/Applied Arts .....	3
Elective .....	10	Elective .....	10
	<b>16</b>	Assessment Course.....	1
			<b>17</b>

Total of 64 hours required, 2.00 cumulative GPA

\*\* This requirement may also be fulfilled by taking History of Wyoming (HIST 1250) & US History to 1877 (HIST 1210).

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 64 hours 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 56 for specific courses that fulfill General Education requirements.

#### FIRST YEAR

Fall Semester	Credit	Spring Semester	Credit
English I (ENGL 1010) .....	3	English II (ENGL1020 or 2010) .....	3
Science (Gen. Biology I BIOL 1010) .....	4	Science (Gen. Biol. II BIOL 2020) .....	4
College Level Math .....	3-4	Social Science/Humanities/Applied Arts .....	3
Computer Applications Course .....	3	Amer. & Wyo. Gov't (POLS 1000**) .....	3
Elective .....	3	Elective .....	3
	<b>16-17</b>		<b>16</b>

#### 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
	<b>16-18</b>	Assessment Course .....	1
			<b>16-18</b>

Total of 64 hours required, 2.00 cumulative GPA

\*\* This requirement may also be fulfilled by taking History of Wyoming (HIST 1250) & US History to 1877 (HIST 1210).

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 64 hours 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, economics, management, finance 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.

### Accounting

The world of accounting provides the opportunity to work with financial information at many different levels. To meet the various needs of future accountants and bookkeepers, Western Wyoming Community College offers three pathways to prepare students for endless employment opportunities in the exciting and versatile field of accounting.

The first pathway is an Associate of Science Degree with an emphasis in Accounting. It is designed to allow the transfer of credits to a Bachelor of Science program at a four-year college. Students who go on to gain a bachelor's degree in accounting may obtain employment in the field of accounting and after completing 150 educational hours are eligible to sit for the CPA exam.

The second pathway is an Associate of Applied Science Occupational Degree. This degree prepares the student, who may not wish to pursue a bachelor's degree, for a career in the accounting departments of various industries as an accounting clerk or junior accountant. This pathway features both manual and computerized accounting systems and the use of modern equipment.

The third pathway is a Thirty-Three or Thirty-Four Credit Award of Completion that is designed to provide both practical and theoretical education that will prepare students for clerical positions. Those who complete this pathway will be prepared for employment using both manual and computerized accounting systems.

### Program for A.S. Degree in Accounting

<b>FRESHMAN YEAR</b>			
<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	English (ENGL 1020 or 2010) .....	3
*Macroeconomics (ECON 1010) .....	3	*Microeconomics (ECON 1020) .....	3
Precalculus Algebra (MATH 1400) .....	4	Statistics (STAT 2010 or 2050) .....	4
*Principles of Acct I (ACCT 2010) .....	3	*Principles of Acct II (ACCT 2020) .....	3
Health & Human Activity .....	1	Health & Human Activity .....	1
Amer. & Wyo Gov't (POLS 1000) .....	3	Computer Info Sys (COSC 1200) .....	3
	<b>17</b>		<b>17</b>

<b>SOPHMORE YEAR</b>			
<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Public Speaking (COMM 1010) .....	3	Laboratory Science .....	4
*Intermediate Acct I (ACCT 2410) .....	3	*Intermediate Acct II (ACCT 2420) .....	3
Business Calculus I (MATH 2350) .....	4	Business Calculus II (MATH 2355) .....	4
*Business Law I (BADM 2010) .....	3	Business Elective .....	6
Business Elective .....	3	Acad Portfolio/Capstone (HMDV 2410) .....	1
	<b>16</b>		<b>18</b>

\* Required for A.S. Degree in Accounting.

Notes: Precalculus Algebra (MATH 1400) is the minimum level math course required for A.S. Degree seeking business majors. Business electives may be selected from any courses with the following prefixes: ACCT, BADM, BUSN, CMAP (1750 & 1800 only), COSC (1200 only), ECON, FIN, 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 A.A.S. Degree in Accounting

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	Technical Writing (ENGL 2010) .....	3
Precalculus Algebra (MATH 1400) .....	4	Introduction to Business (BADM 1000) .....	3
Health & Human Activity .....	1	Health & Human Activity .....	1
*Principles of Accounting I (ACCT 2010) .....	3	*Principles of Accounting II (ACCT 2020) .....	3
Public Speaking (COMM 1010) .....	3	Amer. & Wyo. Gov't (POLS 1000) .....	3
*Computer Information Systems (COSC 1200) .....	3	*Payroll Accounting (ACCT 2460) .....	3
	<b>17</b>		<b>16</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
*Intermediate Accounting I (ACCT 2410) .....	3	Intermediate Accounting II (ACCT 2420) .....	3
*Individual Income Tax (ACCT 2430) .....	3	Advanced Income Tax (ACCT 2440) .....	3
*Business Law (BADM 2010) .....	3	*Automated Accounting (ACCT 2110) .....	3
COSC or CMAP elective (Excel) .....	3	Managerial Accounting (ACCT 2610) .....	3
Macroeconomics (ECON 1010) .....	3	Business Elective .....	3
	<b>15</b>	Microeconomics (ECON 1020) .....	3
			<b>18</b>

\* Required for A.A.S. Degree in Accounting.

Notes: Precalculus Algebra (MATH 1400) is the minimum level math course recommended for A.A.S. in Accounting. Business electives may be selected from any courses with the following prefixes: ACCT, BADM, BUSN, CMAP (1750 & 1800 only), COSC (1200 only), ECON, FIN, MKT and MGT.

## Program for One-Year Accounting Award of Completion

(33-34 credit)

<b>First Semester</b>	<b>Credit</b>	<b>Second Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	Technical Writing (ENGL 2010) .....	3
Business Math (BOTK 1520) or Precalculus Algebra (MATH 1400) .....	**3-4	Spreadsheet Applications (CMAP 1750) .....	3
Principles of Accounting I (ACCT 2010) .....	3	Payroll Accounting (ACCT 2460) .....	3
Communications Elective .....	3	Principles of Accounting II (ACCT 2020) .....	3
Word Processing (CMAP 1705) .....	3	Accounting or Business Elective* .....	3
	<b>15-16</b>	Automated Accounting (ACCT 2110) .....	3
			<b>18</b>

**\* Accounting or Business Elective**

Choose one

Managerial Accounting .....	3
Intermediate Accounting .....	3
Individual Income Tax .....	3
Introduction to Business .....	3
Principles of Management .....	3

\*\*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, business law, 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**

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
English 1 (ENGL 1010) .....	3	English (ENGL 1020 or 2010) .....	3
*Macroeconomics (ECON 1010) .....	3	*Microeconomics(ECON 1020) .....	3
Precalculus Algebra (MATH 1400) .....	4	Statistics (STAT 2010 or 2050) .....	4
Laboratory Science .....	4	Business Elective .....	3
Amer. & Wyo. Gov't (POLS 1000) .....	3	Computer Info Systems (COSC 1200) .....	3
	<b>17</b>	Health and Human Activity .....	1
			<b>17</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
Public Speaking (COMM 1010) .....	3	*Principles of Mgt. (MGT 2100) .....	3
*Prin. of Accounting I (ACCT 2010) .....	3	*Prin. of Accounting II (ACCT 2020) .....	3
*Marketing (MKT 2100) .....	3	Business Calculus II (MATH 2355) .....	4
Business Calculus I (MATH 2350) .....	4	Business Elective .....	3
*Business Law (BADM 2010) .....	3	Business Elective .....	3
Health and Human Activity .....	1	Acad Portfolio/Capstone (HMDV 2410) .....	1
	<b>17</b>		<b>17</b>

\* Required for A.S. in Business Administration

Notes:

- Precalculus Algebra (MATH 1400) is the minimum level math course required for A.S. Degree seeking business majors.
- Business electives may be selected from any courses with the following prefixes: ACCT, BADM, BUSN, CMAP (1750 & 1800 only), COSC (1200 only), ECON, FIN, 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 .....	3
English I (ENGL 1010) .....	3	Technical Writing (ENGL 2010)	
Algebra & Trigonometry (MATH 1450) .....	5	Microeconomics (ECON 1020) .....	3
**Computer Info System (COSC 1200) .....	3	Lab Science .....	4
Health & Human Activity .....	1	**Computer Science I (COSC 1010) .....	3
	<b>15</b>	Health & Human Activity .....	1
		Amer. & Wyo. Gov't (POLS 1000) .....	3
			<b>17</b>

#### 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 Electives .....	6
**Topics in Computer Science (COSC 2000) .....	3	Calculus II (MATH 2205) .....	5
**Computer Science II (COSC 1030) .....	3		<b>17</b>
	<b>17</b>		
**Must be completed before the degree can be granted			

### 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 HTML and Microsoft FrontPage.
4. Be able to plan, design, develop, and maintain interactive dynamic Web pages containing DHTML and JavaScripting.

Computer Information Systems (COSC 1200) .....	3
Programming (COSC 2409) .....	3
Web Development I (COSC 1350) .....	3
Web Development II (COSC 2350) .....	3
Computer Graphics: PhotoShop (CMAP 2600) .....	3
Web Page Dynamics and Scripting (COSC 2360) ...	3
	<b>18</b>

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

## Economics

The Economics curriculum equips students with the basic tools needed to understand a wide variety of economic events and their impact on business, while preparing students for further studies in economics or business. Course work includes economics fundamentals, mathematical analytical tools, and global business perspectives. The program in economics emphasizes applications of economic theory and problem solving approaches to a wide variety of real-world events and arrangements in both the private sector and the public sector. After graduating, economics majors disperse in many directions. Most transfer to colleges or universities to complete their bachelor's degree in economics or a related business area. Of these, many enter MBA programs after two or three years of work experience. Others enter private business sector or work in the public sector in various careers.

### Program for an A.S. Degree in Economics

<b>FRESHMAN YEAR</b>			
<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
English I (ENGL 1010) .....	3	English (ENGL 1020 or 2010) .....	3
*Macroeconomics (ECON 1010) .....	3	*Microeconomics (ECON 1020) .....	3
Precalculus Algebra (MATH 1400) .....	4	Statistics (STAT 2010 or 2050) .....	4
Laboratory Science .....	4	Intro. to Business (BADM 1000) .....	3
Amer. & Wyo. Gov't (POLS 1000) .....	3	Computer Info Systems (COSC 1200) .....	3
	<b>17</b>	Health & Human Activity .....	1
			<b>17</b>

<b>SOPHOMORE YEAR</b>			
<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
Public Speaking (COMM 1010) .....	3	**Econ Problems (ECON 2480) .....	3
*Prin. of Accounting I (ACCT 2010) .....	3	*Prin. of Accounting II (ACCT 2020) .....	3
*Spreadsheet App. I (CMAP 1750) .....	3	Business Calculus II (MATH 2355) .....	4
Business Calculus I (MATH 2350) .....	4	*Intro to Int'l Bus (BUSN 2000) .....	3
Business Elective .....	3	Business Elective .....	3
Health & Human Activity .....	1	Acad Portfolio/Capstone (HMDV 2410) .....	1
	<b>17</b>		<b>17</b>

\* Required for A.S. in Economics

\*\*Students may substitute directed study in economics, ECON 2475, if this course is not taught.

Notes:

· Precalculus Algebra (MATH 1400) is the minimum level math course required for A.S.

Degree seeking business majors.

· Business electives may be selected from any courses with the following prefixes: ACCT, BADM, BUSN, CMAP (1750 & 1800 only), COSC (1200 only), ECON, FIN, 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.

## 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

<b>FRESHMAN YEAR</b>			
<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
English 1 (ENGL 1010) .....	3	English (ENGL 1020 or 2010) .....	3
*Macroeconomics (ECON 1010) .....	3	*Microeconomics (ECON 1020) .....	3
Precalculus Algebra (MATH 1400) .....	4	Statistics (STAT 2010 or 2050) .....	3
*Sales (MKT 1000) .....	3	*Advertising (MKT 1300) .....	3
Amer. & Wyo. Gov't (POLS 1000) .....	3	*Computer Info Systems (COSC 1200) .....	3
Health & Human Activity .....	1	Health & Human Activity .....	1
	<b>17</b>		<b>16</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
Public Speaking (COMM 1010) .....	3	Business Electives .....	6
*Prin. of Accounting I (ACCT 2010) .....	3	*Prin. of Accounting II (ACCT 2020) .....	3
*Principles of Management (MGT 2100) .....	3	Laboratory Science .....	4
Business Calculus I (MATH 2350) .....	4	*Retail (MKT 1100) .....	3
*Marketing (MKT 2100) .....	3	Acad Portfolio/Capstone (HMDV 2410) .....	1
	<b>16</b>		<b>17</b>

\*Required for A.S. Degree in Marketing

## Notes:

- Pre-calculus Algebra (MATH 1400) is the minimum level math course required for A.S. Degree seeking business majors.
- Business electives may be selected from any courses with the following prefixes: ACCT, BADM, BUSN, CMAP (1750 & 1800 only), COSC (1200 only), ECON, FIN, 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 A.A.S. Degree in Marketing and E-Commerce

<b>FRESHMAN YEAR</b>			
<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English 1 (ENGL 1010) .....	3	#Marketing Elective .....	3
Amer. & Wyo. Gov't (POLS 1000) .....	3	*E-Commerce (MKT 1600) .....	3
Intro. To Business (BADM 2010) .....	3	Technical Writing (ENGL 2010) .....	3
Computer Info. Systems (COSC 1200) .....	3	Social Science, Humanities,	
Introduction to Supervision (MGT 1000) .....	3	Applied Arts Elective .....	3
Health & Human Activity .....	1	Microeconomic (ECON 1020) .....	3
	<b>16</b>	Health & Human Activity .....	1
			<b>16</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
*Marketing (MKT 2100) .....	3	#Marketing Elective .....	3
*Web Development I (COSC 1350) .....	3	Business or Marketing Elective .....	3
Accounting I (ACCT 2010) .....	3	Business Elective .....	3
#Marketing Elective .....	3	Interpersonal Comm (COMM 1030) .....	3
Math/Science Elective .....	3 - 4	Portfolio/Capstone (HMDV 2410) .....	1
	<b>15 - 16</b>	Elective .....	3 - 4
			<b>16 - 17</b>

\* These courses are required to receive AAS in Marketing and E-Commerce.

# Marketing Electives: A student must take the following to receive an AAS in Marketing and E-Commerce to fulfill the Marketing Electives: Retailing (MKT 1100), Sales (MKT 1000), Advertising (MKT 1300).

## 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. Some of the courses offered in these programs are individualized, thus allowing students to progress at their own pace. 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.

## 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 and 5 p.m. to 9 p.m. on Sunday. An instructor or Lab Assistant is 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 these 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 and suggested deadlines

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

This two-year degree should prepare students for jobs in today's electronic office. Such jobs might include administrative assistant, executive assistant, or office manager.

<b>FRESHMAN YEAR</b>			
<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	Technical Writing (ENGL 2010) .....	3
Keyboarding Apps. I (BOTK 1640) .....	3	*Keyboarding Apps. II (BOTK 1650) .....	3
Computer Info. Systems (COSC 1200) .....	3	Word Processing Appl (CMAP 1705) .....	3
Accounting Proc. I (BOTK 2810) .....	3	Accounting Proc. II (BOTK 2820) .....	3
* Records Management (BOTK 2750) .....	3	Business Math (BOTK 1520) .....	3
Health and Human Activity .....	1	Health and Human Activity .....	1
	<b>16</b>		<b>16</b>

<b>SOPHOMORE YEAR</b>			
<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Math or Science .....	3-4	* Machine Transcription (BOTK 1900) .....	3
Amer. & Wyo. Gov't. (POLS 1000) .....	3	Computer Application	
Spreadsheet Apps (CMAP 1750) .....	3	(choose from list of approved electives) .....	3
Interpersonal Comm (COMM 1030) .....	3	Soc. Science/Humanities/ Applied Arts .....	3
* Basic Office Skills (BOTK 1555) .....	3	* Office Systems & Proced (BOTK 2900) .....	3
Database Apps (CMAP 1800) .....	3	OIS/Business Elective	
	<b>18-19</b>	(choose from list of approved electives) .....	3
		Portfolio/Capstone (HMDV 2410) .....	1
			<b>16</b>

\* Required classes for graduation.

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

Approved Electives: Desktop Publishing (CMAP 1850), Computer Graphics (CMAP 2600), Windows (CMAP 1705), Integrated Applications II (CMAP 1905), Web Development (COSC 1350), Computer Science I (COSC 1010), Legal Terminology (LEGL 1740), Medical Terminology (HLTK 1200), Accounting I (ACCT 2010), Automated Accounting (ACCT 2110), Introduction to Business (BADM 1000), Marketing (MKT 2100), E-Commerce (MKT 1600), Business Law I (BADM 2010), Introduction to Supervision (MGT 1000), Graphic Design I (ART 2120)



## Program for A.A.S. Degree in Office Information Systems with Legal Assistant emphasis

### FRESHMAN YEAR

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	Amer. & Wyo. Gov't (POLS 1000) .....	3
* Legal Terminology (LEGL 1740) .....	2	* Keyboarding Apps. II (BOTK 1650) .....	3
Computer Info. Systems (COSC 1200) .....	3	Technical Writing (ENGL 2010) .....	3
Word Processing Appl (CMAP 1705) .....	3	Math or Science .....	3-4
* Law Office Principles (LEGL 1500) .....	3	Interpersonal Comm (COMM 1030) .....	3
Health and Human Activity .....	1	Health and Human Activity .....	1
	<b>15</b>		<b>16-17</b>

### SOPHOMORE YEAR

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
* Basic Office Skills (BOTK 1555) .....	3	* Machine Transcription (BOTK 1900) .....	3
* Records Management (BOTK 2750) .....	3	Computer Application	
* Business Law I (BADM 2010) .....	4	(CMAP 1750 or 1800 or 1905) .....	3
Legal Research & Writing (LEGL 1710) .....	3	Business Law II (BADM 2020) .....	3
Accounting Procedures I (BOTK 2810) .....	3	Office Systems & Procedures (BOTK 2900) .....	3
OIS/Business Elective (from list below) .....	3	Soc. Science/Humanities/ Applied Arts .....	3
	<b>19</b>	Portfolio/Capstone (HMDV 2410) .....	1
			<b>16</b>

\* Required courses for graduation.

Approved Electives: Legal Writing (LEGL 2800), Business Math (BOTK 1520), Business Ethics (BADM 2030), Desktop Publishing (CMAP 1850), Computer Graphics (CMAP 2600), Windows (CMAP 1705), Keyboarding Apps. I (BOTK 1640), Automated Accounting (ACCT 2110), Introduction to Business (BADM 1000)

## 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

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	Technical Writing (ENGL 2010) .....	3
Keyboarding Apps. I (BOTK 1640) .....	3	Soc. Science/Humanities/ Applied Arts .....	3
Comp Info. Systems(COSC 1200) .....	3	* Keyboarding Apps. II (BOTK 1650) .....	3
Accounting Proc. I (BOTK 2810) .....	3	Word Processing Appl (CMAP 1705) .....	3
* General Psychology (PSYC 1000) .....	4	Amer. & Wyo. Gov't.(POLS 1000) .....	3
	<b>16</b>	*Principles or General Biology	
		(BIOL 1000 or 1010) .....	4
			<b>19</b>

### SOPHOMORE YEAR

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Human Anatomy & Phys.(BIOL 2010) .....	4	Human Anatomy & Phys.(BIOL 2015) .....	4
Medical Terminology (HLTK 1200) .....	2	Nutrition (HOEC 1140) .....	3
Interpersonal Comm (COMM 1030) .....	3	* Machine Transcription (BOTK 1900) .....	3
* Basic Office Skills (BOTK 1555) .....	3	Database Apps. (CMAP 1800) .....	3
* Records Management (BOTK 2750) .....	3	Nurse Assistant (NRST 1510) .....	4
Front Office Software (MOA 1710) .....	1	Portfolio/Capstone (HMDV 2410) .....	1
	<b>16</b>		<b>18</b>

### Program for a One-Year Administrative Assistant Certificate (33 credit hours)

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	Spreadsheet App. I (CMAP 1750) .....	3
Keyboarding Apps. II (BOTK 1650) .....	3	Machine Transcription (BOTK 1900) .....	3
Basic Office Skills (BOTK 1555) .....	3	Technical Writing (ENGL 2010) .....	3
Records Management (BOTK 2750) .....	3	Word Processing (CMAP 1705) .....	3
Accounting Proc. I (BOTK 2810) .....	3	Office Systems & Proc. (BOTK 2900) .....	3
Computer Info. Systems (COSC 1200) .....	3		<b>15</b>
	<b>18</b>		

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

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English 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	Machine Transcription (BOTK 1900) .....	3
Records Management (BOTK 2750) .....	3	Keyboarding Apps. II (BOTK 1650) .....	3
Computer Info. Sys (COSC 1200) .....	3	Business Math (BOTK 1520) .....	3
	<b>15</b>		<b>15</b>

**Note:** Incoming students with keyboarding and shorthand skills may, with the consent of their faculty advisor, substitute more advanced classes.

### Program for One-Year International Business/English as a Second Language Certificate

This program combines International Business and ESL and includes Business course content, vocabulary, and technological equipment skills.

**See information and required courses on page 88.**





## EDUCATION

Teachers change lives – they can open new worlds for students and inspire them to reach their goals. The education department provides classes for students that want to be teachers. Programs are offered for early childhood, elementary, secondary, and special education 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. This experience takes place early in the education programs to help students make decisions about teaching careers and experience the real world of teaching.

WWCC also offers a Wyoming Professional Teaching Standards Board (PTSB) approved program for Middle School Endorsement. The four classes are delivered via the Internet. Successful completion of the four WWCC Middle School Endorsement classes will result in an Institutional Recommendation to the PTSB for the middle school endorsement.

### Suggested Program for A.A. Degree with emphasis in Education (Elementary)

#### FRESHMAN YEAR

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Ed.Exp.Prosop.Tchrs (EDCI 1000) .....	2	Field Experience (EDFD 1010) .....	2
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Gen. Psychology (PSYC 1000) .....	4	Public Speaking (COMM 1010) .....	3
PreCalc or higher (MATH 1400+) .....	3-4	Lab Science .....	4
Health & Human Activity .....	1	Amer. & Wyo. Gov't (POLS 1000) .....	3
Comp.Info. Systems (COSC 1200) .....	3	First Aid and CPR (HLED 1225) .....	2
	<b>16-17</b>		<b>17</b>

#### SOPHOMORE YEAR

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Found of Education (EDFD 2020) .....	3	Found of Learning (EDFD 2040) .....	3
Practicum 1A (EDCI 2021) .....	1	Practicum 1B (EDCI 2041) .....	1
Math for Elem Teachers I (MATH 1100) .....	3	Math for Elem Teachers II (MATH 1105) .....	3
Elementary School Mathematics (EDCI 1410) .....	1	Elementary School Mathematics (EDCI 1420) .....	1
Lab Science .....	4	Children's Lit (LIBS 2280) .....	3
Lifespan: Adulthood (EDFD 2451) .....	1	Humanities/Applied Art Elective .....	3
Developmental Psychology (PSYC 2300) .....	3		<b>14</b>
Health & Human Activity .....	1		
	<b>17</b>		

## Program for A.A. Degree in Early Childhood Education

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
*Ed. Exp. Prosp. Tchrs (EDCI 1000) .....	2	*Intro to Early Childhood (EDCI 1020) .....	3
*Gen. Psychology (PSYC 1000) .....	4	*Early Childhood Practicum (EDCI 1025) .....	1
English I (ENGL 1010) .....	3	*Development Psychology (PSYC 2300) .....	3
College Level Math (1000+) .....	3-4	English 1020, 1111,2010 .....	3
*Computer Info Systems (COSC 1200) .....	3	*Children's Literature (LIBS 2280) .....	3
*Red Cross Certification or First Aid (HLED 1225) ..	2	*Nutrition (HOEC 1140) .....	3
	<b>17-18</b>		<b>16</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
*Observe & Guide Young Children (EDCI 1100) ..	3	*Curr. Plan & Dev Young Child (EDCI 1300) .....	3
*Marriage & Family (SOC 2325) .....	3	*Lifespan: Adulthood (EDFD 2451) .....	1
Lab Science .....	4	Humanities (recommend COMM 1030, COMM 1040, COMM 2110, or COMM 2120) .....	6
Social Science (recommend SOC 1000, SOC 1110, SOC 1200, PSYC 1050, PSYC 1300, PSYC 2210, or PSYC 2340) .....	6	Applied Arts Elective (recommend COMM 1010) ...	3
	<b>16</b>	Academic Portfolio/Capstone (HMDV 2410) .....	1
			<b>17</b>

\*Required course for graduation

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

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Ed.Exp.Prosp.Tchrs (EDCI 1000) .....	2	Field Exp. (EDFD 1010) .....	2
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Gen. Psychology (PSYC 1000) .....	4	Developmental Psychology (PSYC 2300) .....	3
PreCalc or Higher (MATH 1400+) .....	4	Lab Science .....	4
Health & Human Activity .....	1	Amer. & Wyo. Gov't (POLS 1000) .....	3
Comp.Info. Systems (COSC1200) .....	3	First Aid and CPR (HLED 1225) .....	2
	<b>17</b>		<b>17</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Found of Education (EDFD 2020) .....	3	Found. Of Learning (EDFD 2040) .....	3
Practicum 1A (EDCI 2021) .....	1	Practicum 1B (EDCI 2041) .....	1
Public Speaking (COMM 1010) .....	3	Degree Completion Requirements .....	3-6
Health & Human Activity .....	1	*Major Content Area .....	7-9
Lab Science .....	4	Lifespan: Adulthood (EDFD 2451) .....	1
*Major Content Area .....	3-6		
	<b>15-18</b>		<b>15-20</b>

\*For A.S. Degree, at least 3 additional Math or Science credits are required if not met by Major Content Area courses  
For A.A. Degree, 6 additional Humanities/Applied Arts credits are needed (3 must be Humanities) if not met by Major Content Area courses.

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

### FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
ED Exp.Prosop.Tchrs(EDCI 1000) .....	2	Field Experience(EDFD 1010) .....	2
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Gen.Psychology (PSYC 1000) .....	4	Public Speaking (COMM 1010) .....	3
PreCalc or higher (MATH 1400+).....	4	Lab Science .....	4
Health & Human Activity .....	1	Amer. & Wyo. Gov't (POLS 1000) .....	3
Comp. Info.System (COSC 1200) .....	3	First Aid and CPR (HLED 1225) .....	2
Lifespan: Adulthood (EDFD 2451).....	1		<b>17</b>
	<b>18</b>		

### SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Found of Educ. (EDFD 2020) .....	3	Found of Learning(EDFD 2040) .....	3
Practicum 1A (EDCI 2021) .....	1	Special Ed Intervention Process (EDEX 2120) .....	3
Overview of Sp. Education (EDEX 1010) .....	3	Special Education Practicum (EDEX 2350) .....	1
Math for Elem Teachers I (MATH 1100) .....	3	Math for Elem Teachers II (MATH 1105) .....	3
Elementary School Mathematics I (EDCI 1410) .....	1	Elementary School Mathematics II (EDCI 1420) .....	1
Children's Literature (LIBS 2280) .....	3	Lab Science .....	4
Developmental Psych (PSYC 2300) .....	3	Humanities/App. Art Elect. ....	3
Health & Human Activity .....	1		<b>18</b>
	<b>18</b>		

Changes in the education programs at many four year institutions requires that you communicate with your advisor on the most recent information on the program into which you plan to transfer.

## Middle School Endorsement Program

The successful completion of this program will result in a Middle Grades Endorsement, which may be added to a Teacher Certification.

Middle Grades Endorsement is not a stand-alone endorsement or teaching certificate. It must be attached to a Teacher Certification.

# ENGLISH AS A SECOND LANGUAGE



## 17 Credit Certificate in ESL

The ESL program provides courses for international or non-native students who want to improve their English ability prior to continuing a regular college curriculum in the U.S. or entering the occupational job market. The ESL certificate is a 17-credit program designed for students who have successfully completed a rigorous curriculum focusing on improved English speaking and writing ability. Recipients of the certificate have achieved at least an intermediate level of English ability.

Students must complete classes with a C or better in the following program alternatives and 4-5 elective credits:

### Fall/Spring Matriculation Alternative:

English as a Second Language (DVST 0100) .....	4 credits
Non-Native Conversation (DVST 0104) .....	3 credits
Non-Native English Pronunciation (HMDV 1501) .....	3 credits
Basic English (ENGL 0950) or ENGL 1010 .....	3 credits
*Electives (from list below) .....	4-5 credits

### Summer Matriculation Alternative (must complete ESL Intensive English Program):

ESL Oral Communication Skills (HMDV 0520) .....	2 credits
ESL Writing Skills (HMDV 0530) .....	3 credits
ESL Language Lab (HMDV 0510) .....	1 credit
Non-Native English Pronunciation (HMDV 1501) .....	3 credits
Basic English (ENGL 0950) .....	3 credits
*Electives (from list below) .....	4-5 credits

### \*Students must complete 4-5 credits from among the following options:

Non-Native Reading (BAS 0910) .....	1-3 credits
Non-Native Writing (BAS 0920) .....	1-3 credits
Non Native Grammar (BAS 0930) .....	1-3 credits
Non-Native Spelling (BAS 0940) .....	1-3 credits
Non-Native Vocabulary (BAS 0950) .....	1-3 credits
Non-Native Listening (BAS 0960) .....	1-3 credits
Grammar I (DVST 0630) .....	2 credits
Reading for Success (DVST 0500) .....	2 credits

Students must complete this program with a minimum Writing Compass score of 38. This would place the student in a Basic English course.

## 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 24-25 credits, and 10-11 elective credits (totaling 34-36 credits). This certificate documents students' completion of a rigorous 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:

English as a Second Language (DVST 0100) ...**3-4 (or 3 credits higher level writing course*)	
Non-Native Conversation (DVST 0104) .....	3
Non-Native English Pronunciation (HMDV 1501) .....	3
Non-Native Business English (HMDV 0540) .....	3
Introduction to Business (BADM 1000) .....	3
Intro to International Business (BUSN 2000) .....	3
Introduction to International Finance (FIN 1020) ..	3
Spreadsheet Applications: (CMAP 1750) .....	3
	<b>24-25</b>

### Electives—Four to five (4-5) credits from:

Non-Native Reading (BAS 0910) .....	1-3
Non-Native Writing (BAS 0920) .....	1-3
Non Native Grammar (BAS 0930) .....	1-3
Non-Native Spelling (BAS 0940) .....	1-3
Non-Native Vocabulary (BAS 0950) .....	1-3
Non-Native Listening (BAS 0960) .....	1-3
Reading for Success (DVST 0500) .....	2
US Culture/Communication (HMDV 0550) .....	2
Public Speaking (COMM 1010) .....	3
Introduction to International Relations (POLS 2310) .	3
Grammar I (DVST 0630) .....	2

### Business Electives—Six (6) credits from:

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

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

### \*\* Summer Matriculation Alternative

(must complete ESL Intensive Summer English Program):

ESL Oral Communication Skills (HMDV 0520) .....	2
ESL Writing Skills (HMDV 0530) .....	3
ESL Language Lab (HMDV 0510) .....	1

(These 3 classes are the equivalent of the above listed English as a Second Language (DVST 0100) and Non-Native Conversation (DVST 0104)).



## FINE ARTS

The Fine Arts programs at Western include the visual and performing arts and are designed for an individual to explore and develop creative talents and abilities. Fine 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, Photography, 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. Either program of study is designed for the individual who is interested in earning a Bachelor of Arts degree at a four-year institution.

**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 I (ENGL 1010) .....	3	Drawing II (ART 1060) .....	3
Drawing I (ART 1050) .....	3	Design: Color (ART 1130) .....	3
Design: 2D (ART 1110) .....	3	English II (ENGL 1020) .....	3
Design: 3D (ART 1120) .....	3	Health & Human Activity .....	1
Amer. & Wyo. Gov't. (POLS 1000) .....	3	Painting II (ART 2220) .....	3
Painting I (ART 2210) .....	3	Social Science .....	3
	<b>18</b>	Studies in Art .....	1-3
			<b>17-19</b>

#### SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Ceramics I (ART 2410) .....	3	Painting III (ART 2230) .....	3
Social Science .....	3	Lab Science .....	4
Graphic Design (ART 2120) .....	3	Art History II (ART 2020) .....	3
Studies in Art .....	1-2	Life Drawing I (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		<b>19</b>
	<b>17-18</b>		

Additional electives may be taken in ceramics and photography.

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

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

#### FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English I (ENGL 1010) .....	3	ENGL 1111, 1020, or 2010 .....	3
Design 2D (ART 1110) .....	3	Design: Color (ART 1130) .....	3
Drawing I (ART 1050) .....	3	Drawing II (ART 1060) .....	3
Painting I (ART 2210) .....	3	Painting II (ART 2220) .....	3
Social Science .....	3	Social Science .....	3
Health & Human Activity .....	1	Health & Human Activity .....	1
	<b>16</b>		<b>16</b>



**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
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 (ART 2120) .....	3
Science/Math .....	3-4	#2D Elective/*3D Elective .....	3
Workshops/Studies/Spec Projects .....	1-3	Amer. & Wyo. Gov't (POLS 1000) .....	3
	<b>16-19</b>	Fine Arts Portfolio (ART 2500) .....	1
			<b>19</b>

#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**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Ceramics I (ART 2410) .....	3	Ceramics II (ART 2420) .....	3
Design: 2D (ART 1110) .....	3	Design: 3D (ART 1120) .....	3
English I (ENGL 1010) .....	3	Design: Color (ART 1130) .....	3
Amer. & Wyo. Gov't (POLS 1000) .....	3	English II (ENGL 1020) .....	3
Drawing I (ART 1050) .....	3	Social Science .....	3
Workshop/Studies in Art .....	1-2	Workshop/Studies in Art .....	1-2
	<b>16-17</b>		<b>16-17</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Art History I (ART 2010) .....	3	Ceramic Studio (ART 2475) .....	3
College Level Math .....	3-4	Art History II (ART 2020) .....	3
Health & Human Activity .....	1	Drawing II (ART 1060) .....	3
Photography I (ART 1150) .....	3	Lab Science .....	4
Social Science .....	3	Health & Human Activity .....	1
Ceramics III (ART 2430) .....	3	Ceramics IV (ART 2440) .....	3
	<b>16-17</b>		<b>17</b>

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

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Ballet I/I (THEA 1410) .....	1	Ballet I/II (THEA 1420) .....	1
Modern Dance I/I (THEA 1430) .....	1	Modern Dance I/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 I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Gen Biology (BIOL 1010) or (BIOL 1000) .....	4	Amer. & Wyo. Gov't (POLS 1000) .....	3
Interpersonal Comm (COMM 1030) .....	3	Nutrition (HOEC 1140) .....	3
Core Conditioning for Whole Body		Stage Make-up (THEA 2160) .....	2
Connectivity (THEA 1310) .....	1		<b>16</b>
	<b>18</b>		

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
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 (BIOL 2015) .....	4
Dance Performance (THEA 1502) .....	2	Dance Performance (THEA 1503) .....	2
Human Anatomy & Phys (BIOL 2010) .....	4	General Psychology (PSYC 1000) .....	4
College Level Math .....	3-4	Stage Lighting (THEA 2230) .....	3
Stagecraft (THEA 2220) .....	3	Portfolio (THEA 2500) .....	2
	<b>17-18</b>		<b>18</b>

ART - Dance

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

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Music Theory (MUSC 1030, 1035) .....	4	Music Theory (MUSC 1040, 1045) .....	4
Class Piano I (MUSC 1290) .....	1	Class Piano I (MUSC 1291) .....	1
Applied Music .....	2	Applied Music .....	2
Ensemble .....	1	Ensemble .....	1
Intro. to Music (MUSC 1000) .....	3	English II (ENGL 1020) .....	3
English I (ENGL 1010) .....	3	General Psychology (PSYC 1000) .....	4
Intro. to Cult. Anthro. (ANTH 1200) .....	3	Health & Human Activity .....	1
	<b>17</b>		<b>16</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Music Theory (MUSC 2030, 2035) .....	4	Music Theory (MUSC 2040, 2045) .....	4
Class Piano III (MUSC 1295) .....	1	Class Piano I (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
Amer. & Wyo. Gov't. (POLS 1000) .....	3	Health & Human Activity .....	1
	<b>18</b>		<b>15</b>

**Musical Theatre**

The Musical Theatre Program offers students a strong theatre background along with the opportunity to develop the necessary skills in dance and music. A liberal arts preparation also assists 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 level of preparation, the student may choose to take up to three years to complete WWCC's program.

## Program for A.F.A. Degree Musical Theatre - 4 Semester Plan

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
Beg. Acting I (THEA 1100) .....	3	Intro to Theatre (THEA 1000) .....	3
Theatre Practice I (THEA 2050) .....	3	Stage Makeup (THEA 2160) .....	2
Vocal Ensemble (THEA 1460) .....	1	Theatre Practice II (THEA 2051) .....	3
Modern Dance I/I (THEA 1430) .....	1	Modern Dance I/II (THEA 1440) .....	1
Ballet I/I (THEA 1410) .....	1	Jazz I (THEA 1480) .....	1
Dance Performance I (THEA 1500) .....	2	Tap (THEA 1450) .....	1
Written Theory I (THEA 1030) .....	3	Ballet I/II (THEA 1420) .....	1
Aural Theory I (THEA 1035) .....	1	Dance Performance II (THEA 1501) .....	2
Singing for Actor I (**MUSC 1373) .....	1	Singing for Actor II (**MUSC 1374) .....	1
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
	<b>19</b>	Amer. & Wyo. Gov't. (POLS 1000) .....	3
			<b>21</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
Acting for Mus.Theatre(THEA 1110) .....	3	Mus. Thea. His. & Lit. (THEA 1120) .....	3
Theatre Practice III (THEA 2052) .....	3	Theatre Practice IV (THEA 2053) .....	3
Vocal Ensemble (THEA 1460) .....	1	Modern Dance II/II (THEA 2440) .....	1
Jazz II (THEA 2480) .....	1	Ballet II/II (THEA 2420) .....	1
Modern II/I (THEA 2430) .....	1	Dance Performance IV(THEA 1503) .....	2
Ballet II/I (THEA 2410) .....	1	Portfolio (THEA 2500) .....	2
Choreography (THEA 2215) .....	2	Lab Science/College Level Math .....	3-4
Dance Performance III (THEA 1502) .....	2	Social Science .....	3
Class Piano (**MUSC 1290) .....	1		<b>19-20</b>
*Technical Theatre Component .....	2-3		
Social Science .....	3-4		
	<b>20-22</b>		

\*Technical Theatre Component (Take at least one of the following)

Scenographics I (THEA 1200) .....	2
Scenographics II (THEA 2148) .....	2
Beg. Scenic Design (THEA 2125) .....	3
Stagecraft (THEA 2220) .....	3
Stage Lighting (THEA 2230) .....	3
Stage Management (THEA 2150) .....	3
Sound Reinforcement I (THEA 2610) .....	2
Sound Reinforcement II (THEA 2620) .....	2
Sound Design (THEA 2615) .....	2

\*\*Fills the Complementary Applied Art Requirement

## Program for A.F.A. Degree Musical Theatre - 5 Semester Plan

### FRESHMAN YEAR

Fall Semester	Credits	Spring Semester	Credits
Beg. Acting I (THEA 1100) .....	3	Intro to Theatre (THEA 1000) .....	3
Theatre Practice I (THEA 2050) .....	3	Stage Makeup (THEA 2160) .....	2
Vocal Ensemble (THEA 1460) .....	1	Theatre Practice II (THEA 2051) .....	3
Modern Dance I/I (THEA 1430) .....	1	Modern Dance I/II (THEA 1440) .....	1
Ballet I/I (THEA 1410) .....	1	Jazz I (THEA 1480) .....	1
Dance Performance I (THEA 1500) .....	2	Tap (THEA 1450) .....	1
Written Theory I (THEA 1030) .....	3	Ballet I/II (THEA 1420) .....	2
Aural Theory I (THEA 1035) .....	1	Dance Performance II (THEA 1501) .....	1
Singing for Actor I (**MUSC 1373) .....	1	Singing for Actor II (**MUSC 1374) .....	1
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
	<b>19</b>		<b>18</b>

### SUMMER SEMESTER

Lab Science/College Level Math .....	3-4
Social Science .....	3-4
	<b>6-8</b>

### SOPHOMORE YEAR

Fall Semester	Credits	Spring Semester	Credits
Acting for Mus Theat (THEA 1110) .....	3	Mus Thea His. & Lit (THEA 1120) .....	3
Theatre Practice III (THEA 2052) .....	3	Theatre Practice IV (THEA 2053) .....	3
Vocal Ensemble (THEA 1460) .....	1	Modern Dance II/II (THEA 2440) .....	1
Jazz II (THEA 2480) .....	1	Ballet II/II (THEA 2420) .....	1
Modern II/I (THEA 2440) .....	1	Dance Performance IV (THEA 1503) .....	2
Ballet II/I (THEA 2410) .....	1	Portfolio (THEA 2500) .....	2
Choreography (THEA 2215) .....	2	Amer. & Wyo. Gov't (POLS 1000) .....	3
Dance Performance III (THEA 1502) .....	2	Social Science .....	3-4
*Technical Theatre Component .....	2-3		<b>18-19</b>
Class Piano (**MUSC 1290) .....	1		
	<b>17-18</b>		

\*Technical Theatre Component (Take at least one of the following)

Scenographics I (THEA 1200) .....	2
Scenographics II (THEA 2148) .....	2
Beg. Scenic Design (THEA 2125) .....	3
Stagecraft (THEA 2220) .....	3
Stage Lighting (THEA 2230) .....	3
Stage Management (THEA 2150) .....	3
Sound Reinforcement I (THEA 2610) .....	2
Sound Reinforcement II (THEA 2620) .....	2
Sound Design (THEA 2615) .....	2

\*\*Fills the Complementary Applied Art Requirement

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

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Beg. Acting (THEA 1100) .....	3	Intro to Theatre (THEA 1000) .....	3
Modern Dance I/I (THEA 1430) .....	1	Modern Dance I/II (THEA 1440) .....	1
Vocal Ensemble (THEA 1460) .....	1	Tap Dance (THEA 1450) .....	1
Theatre Practice I (THEA 2050) .....	3	Jazz Dance I (THEA 1480) .....	1
Written Theory (THEA 1030) .....	3	Theatre Practice II (THEA 2051) .....	3
Aural Theory (THEA 1035) .....	1	Stage Makeup (THEA 2160) .....	2
Singing for Actor I (MUSC 1373) .....	1	Singing for Actor II (MUSC 1374) .....	1
	<b>16</b>		<b>15</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
Social Science .....	3	College Level Math .....	3
Amer. & Wyo. Gov't (POLS 1000) .....	3	Lab Science .....	4
Acting for Mus. Th. (THEA 1110) .....	3	Social Science .....	3
Ballet I/I (THEA 1410) .....	1	Am Mus Th Hist & Lit (THEA 1120) .....	3
Jazz II (THEA 2480) .....	1	Theatre Practice IV (THEA 2053) .....	3
Vocal Ensemble (THEA 1460) .....	1	Ballet I/II (THEA 1420) .....	1
Theatre Practice III (THEA 2052) .....	3		<b>17</b>
Class Piano (MUSC 1290) .....	1		
	<b>16</b>		

## Suggested Program for A.A. Degree with emphasis in Photography

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Photography I (ART 1150) .....	3	Photography II (ART 1160) .....	3
Design: 2D (ART 1110) .....	3	Design: Color (ART 1130) .....	3
English I (ENGL 1010) .....	3	Desktop Publishing (CMAP 1850) .....	1
Amer. & Wyo Govt. (POLS 1000) .....	3	Social Science .....	3
Computer Info. Systems (COSC 1200) .....	3	English II (ENGL 1020) .....	3
Health & Human Activity .....	1	Health & Human Activity .....	1
	<b>16</b>	Intro. to Business (BADM 1000) .....	3
			<b>17</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Photo. Studio (ART 2175) .....	3	Art History II (ART 2020) .....	3
Publications Prod. I (COMM 1370) .....	3	Graphic Design (ART 2120) .....	3
Social Science .....	3	Photo Elective .....	3
Art History I (ART 2010) .....	3	Lab Science .....	4
College Level Math .....	3-4	Printmaking I (ART 2090) .....	3
	<b>15-16</b>		<b>16</b>

Suggested program for all art areas includes Design I, II; Drawing I, II; and Photography I. Students are encouraged to experiment with art areas beyond their speciality.

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

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Sound Reinforcement I (THEA 2610) .....	2	College Level Math .....	3
Stage Management (THEA 2150) .....	3	Intro to Theatre (THEA 1000) .....	3
Stagecraft (THEA 2220) .....	3	Sound Design (THEA 2615) .....	2
Scenographics (THEA 1200) .....	2	Theatre Practice II (THEA 2051) .....	3
Theatre Practice I (THEA 2050) .....	3	Stage Lighting (THEA 2230) .....	3
	<b>16</b>		<b>17</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
Social Science .....	3	Lab Science .....	4
Amer. & Wyo. Gov't. (POLS 1000) .....	3	Social Science .....	3
*Health & Human Activity .....	1	*Health & Human Activity .....	1
Beg. Acting (THEA 1100) .....	3	Stage Makeup (THEA 2160) .....	2
Theatre Practice III (THEA 2052) .....	3	Theatre Practice IV (THEA 2053) .....	3
Electives .....	2	Beg Scenic Design (THEA 2125) .....	3
	<b>15</b>		<b>16</b>

\*Dance classes are recommended to fulfill the Health and Human Activity requirement.

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

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Stagecraft (THEA 2220) .....	3	Stage Lighting (THEA 2230) .....	3
Scenographics I (THEA 1200) .....	2	Beg Scenic Design (**THEA 2125) .....	3
Theatre Practice I (THEA 2050) .....	3	Theatre Practice II (THEA 2051) .....	3
Sound Reinforcement I (THEA 2610) .....	2	Sound Design (THEA 2615) .....	2
Stage Management (THEA 2150) .....	3	Intro to Theatre (THEA 1000) .....	3
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
*Health & Human Activity .....	1		<b>17</b>
	<b>17</b>		

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Theatre Practice III (THEA 2052) .....	3	Theatre Practice IV (THEA 2053) .....	3
Beg. Acting I (THEA 1100) .....	3	Stage Makeup (THEA 2160) .....	2
***Complementary Applied Art .....	3	Portfolio (THEA 2500) .....	2
***Related Course(s) .....	3	***Related Course(s) .....	3
Amer. & Wyo. Gov't. (POLS 1000) .....	3	Lab Science/College Level Math .....	3-4
Social Science .....	3-4	Social Science .....	3-4
*Health & Human Activity .....	1		<b>16-18</b>
	<b>19-20</b>		

\*Dance Classes are highly recommended to meet the Health & Human Activity requirement.

\*\*THEA 2125 Beginning Scenic Design will be taught on computer AND needs approval to be added to the list from which AFA students can select a computer class.

## \*\*\*Complementary Applied Art Requirement (Take one of the following)

ART 1110 Design 2D .....	3
ART 1120 Design 3D .....	3
ART 1130 Design Color .....	3
ART 1150 Photography (Beg.) .....	3
ART 1160 Photography (Inter.) .....	3

## \*\*\*\*Related Course Work

WELD 2630 Welding for the Arts I .....	3
WELD 2635 Welding for the Arts II .....	3
ART 1110 Design 2D .....	3
ART 1120 Design 3D .....	3
ART 1130 Design Color .....	3
ART 1150 Photography (Beg.) .....	3
ART 1160 Photography (Inter.) .....	3
ELTR 1505 Electrical Assembly .....	2

## Program for One-Year Certificate in Technical Theatre

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Stagecraft (THEA 2220) .....	3	Stage Lighting (THEA 2230) .....	3
Theatre Practice I (THEA 2050) .....	3	Theatre Practice II (THEA 2051) .....	3
Sound Reinforcement I (THEA 2610) .....	2	Sound Design (THEA 2615) .....	2
Stage Management (THEA 2150) .....	3	*Related Courses .....	7
*Related Courses .....	4		<b>15</b>
	<b>15</b>		

<b>*Related Course Work</b>	<b>Credits</b>
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
Computer-Aided Drafting (ES 2230) .....	3
Electrical Assembly (ELTR 1505) .....	2
Introduction to Theatre (THEA 1000) .....	3
Scenographics I (THEA 1200) .....	2
Scenographics II (THEA 2148) .....	2
Stage Makeup (THEA 2160) .....	2
Beginning Acting I (THEA 1100) .....	3

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

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Modern Dance I/I (THEA 1430) .....	1	Modern Dance I/II (THEA 1440) .....	1
Beg. Acting (THEA 1100) .....	3	Intro to Theatre (THEA 1000) .....	3
Stage Management (THEA 2150) .....	3	Theatre Practice II (THEA 2051) .....	3
Stagecraft (THEA 2220) .....	3	Stage Makeup (THEA 2160) .....	2
Theatre Practice I (THEA 2050) .....	3	Stage Lighting (THEA 2230) .....	3
	<b>16</b>		<b>15</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
Social Science .....	3	College Level Math .....	3
Amer. & Wyo. Gov't. (POLS 1000) .....	3	Lab Science .....	4
Acting for Mus. Th. (THEA 1110) .....	3	Social Science .....	3
Theatre Practice III (THEA 2052) .....	3	Am Mus Th Hist & Lit (THEA 1120) .....	3
Electives .....	3	Theatre Practice IV (THEA 2053) .....	3
	<b>15</b>	Electives .....	2
			<b>18</b>

# HEALTH SCIENCES , EXERCISE SCIENCE & OUTDOOR LEADERSHIP



The Health Sciences promote wellness for the individual and for the community through education. Students in these programs must realize their responsibility to society in rendering the best possible health care. Good judgment is required in the field of Health Sciences and necessitates diligence and discipline within the educational process.

The Division of Health Science offers programs of study in Exercise Science, Nursing, Outdoor Leadership, as well as pre-professional programs in Radiology, Dental Hygiene, Dentistry, Medicine, Occupational Therapy, Pharmacy, and Physical Therapy. Students can start these programs at Western and then transfer to other institutions, such as Sheridan College for Dental Hygiene, Weber State University for Radiology, and Casper College/University of North Dakota for Occupational Therapy.

Students may receive a certificate and/or Associate Degree after completing the necessary credits required by each individual program and the college for graduation.

Enrollment in some of the programs offered by the Division of Health Sciences is limited in numbers and is consistent with accrediting agency requirements. The admission requirements for each of the programs of study offered by the Division of Health Sciences are listed along with the suggested program of study.

## **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 one-year 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 one-year 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 I (ENGL 1010) .....	3	Technical Writing (ENGL 2010) or (ENGL 1020) .	3
*Fitness Leadership Training (PEPR 2130) .....	3	Problem Solving (MATH 1000)** .....	3
*Biology (BIOL 1000 or 1010) .....	4	Computer Info Systems (COSC 1200) .....	3
*Nutrition (HOEC 1140) .....	3	*Personalized Fitness I (PEAC 2005) .....	2
*Weight Training (PEAC 1273) .....	1	Electives .....	6
*First Aid & CPR (HLED 1225) .....	2	*Exercise Science Beg Internship (PEPR 2470)+	1-2
*Exercise Science Beg Internship (PEPR 2470)	1-2		<b>18-19</b>
	<b>17-18</b>		

### SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Amer. & Wyo. Gov't. (POLS 1000) .....	3	*Exercise Physiology (PEPR 2120) .....	3
Personalized Fitness II (PEAC 2006) .....	3	*Intro to Chemistry (CHEM 1000) .....	4
*Anatomy & Physiology (BIOL 2010) .....	4	*Anatomy & Physiology (BIOL 2015) .....	3
Communication Elective *** .....	3	Elective from SS., Hum, or App Art .....	3
General Psych (PSYC 1000) or		Recommended Elective .....	2-3
Wellness (HLED 1003) .....	3-4	*Exercise Science Adv Internship (PEPR 2471) ..	1-2
*Exercise Science Adv Internship (PEPR 2471) ..	1-2		<b>17-19</b>
	<b>17-19</b>		

\*These courses are required to receive an AS in Exercise Science

\*\* Or other college level math course

\*\*\* Interpersonal Communication (COMM 1030) or Public Communication (COMM 1010)

Recommended Electives: Personalized Fitness II, Ethics, Outdoors courses, Business courses, Physical Education activities, Psychology of Adjustment, Communications courses.

## Program for One-Year 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.

Fall Semester	Credit	Spring Semester	Credit
Fitness Leadership (PEPR 2130) .....	3	Exercise Physiology (PEPR 2120) .....	3
First Aid & CPR (HLED 1225) .....	2	Nutrition (HOEC 1140) .....	3
Personalized Fitness I (PEAC 2005) .....	2	Personalized Fitness II (PEAC 2006) .....	3
Anatomy & Physiology I (BIOL 2010) .....	4	Anatomy & Physiology II (BIOL 2015) .....	4
Communication Course** .....	3	Business Management (or other business courses)*	3
Weight Training (PEAC 1273) .....	1	Advanced Internship (PEPR 2471) .....	1-2
Beginning Internship (PEPR 2470) .....	1-2		<b>17-18</b>
	<b>16-17</b>		



Summer Semester	Credit
Principles of Biology (BIOL 1000) -or-	
General Biology I (BIOL 1010) .....	4

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

\*\* Communication course options: Interpersonal Communications (COMM 1030); Public Speaking (COMM 1010); Conflict Management/Mediation (COMM 1050)

## Nursing Program

### Nursing 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 classroom instruction, 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.

## Associate Degree in Nursing Program

Western Wyoming Community College offers a three-year program (7 semesters) leading to an Associate Degree in Nursing with a practical nursing spin-off option. 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 Associate Degree Nursing Program offers a Practical Nurse spin-off option at the end of the second year of the program. Students who have successfully completed the required course have the option to take a 1 credit course, Practical Nursing Roles, preparing them for the role of the practical nurse. At the completion of this course, students are eligible to sit for Practical Nursing licensure examination. At the completion of the Practical Nursing Roles course students have the option to exit as a practical nurse or continue in 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 2009.

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 clients 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

Some nursing opportunities may be available in Outreach sites. Students are encouraged to contact Outreach Coordinators for more information.

## 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. Interested applicants should contact the Nursing Department for specific requirements. Admission into the nursing program is competitive and based on the cumulative score of points the applicant receives. Should the student not be admitted, the student must reapply for the next year in order to be reviewed for admission with the new group of applicants. Re-applicants will be subject to the same scrutiny and consideration as an initial applicant. Students who are admitted but decline entrance into the program must re-apply.

## Associate Degree in Nursing Admission

### To apply for the nursing program:

- Complete WWCC admissions process. Receive your acceptance to the college.
- Submit a completed nursing application form directly to the nursing department by application deadline.
- Achieve a grade point average of 2.5 on a 4.0 scale from prerequisite general education courses (Biology, A & P I and II, Psychology, Nutrition. CNA course not included in GPA).
- Take the designated pre-entrance test.

Prior to starting Nursing I you must:

- Meet the Math requirement in ONE of the following ways:
  - Earn a 40 or higher in algebra on the Compass Test
  - Complete Math 0920 plus Tech Math for Nurses with C or better
  - Earn 23 or higher on ACT within last two years
  - Complete Math BAS 0720 series with B or better
  - Complete Math 1000 or higher with C or better
- Meet the English requirement in ONE of the following ways:
  - Earn 75 in writing and 80 in reading on Compass Test
  - Complete Basic English with C or better
  - Earn 23 or higher on ACT within last two years
  - Complete English I with C or better
- Meet nursing assistant competencies prior to beginning the program (may take in the summer for fall admission).
  - Take a CNA course *or*
  - Demonstrate CNA competency through the nursing department

### Admission Criteria:

- Pre-entrance test.
- Grade point average will be calculated based on prerequisite general education courses completed by the end of spring semester for fall admission. CNA not included in GPA.
- Number of credits of required general education courses completed (1 point for each course completed) (No point given for CNA 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, the pre-entrance test score, and the number of required general education courses completed. Grade point average and pre-entrance test 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 students 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 students, those on the alternate list will be notified. Should the student not be admitted, the student must reapply for the next year in order to be reviewed for admission with the new group of applicants. Re-applicants will be subject to the same scrutiny and consideration as an initial applicant. Students who are admitted but decline entrance into the program must re-apply.

**Advanced Placement Admission**

Licensed practical nurses (LPN) or Graduate Practical Nurses (GPN's) from accredited college programs may apply to enter the third year of the nursing program as advanced placement students, based on space availability if requirements are met.

**Applicant Requirements:**

- Submit a completed WWCC application form.
- Submit a completed nursing application form to the nursing department by application deadline.
- Be an LPN or GPN from a college program with transferrable credit. LPN's or GPN's from vocational, technical, or other programs with non-transferrable credits must take the Nursing I and Nursing II final 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 GPA.
- Submit college transcripts. Have a grade point average of 2.5 or better on a 4.0 scale for required general education and nursing courses required to earn a PN certificate.
- Complete all required general education courses for a PN certificate (Biology, Anatomy & Physiology I & II, Nutrition, & General Psychology) with a "C" or better.
- Meet the Math requirement in ONE of the following ways:
  - Earn a 40 or higher in algebra on the Compass Test
  - Complete Math 0920 plus Tech Math for Nurses with a C or better
  - Earn a 23 or higher on ACT within last two years
  - Complete Math 1000 or higher with C or better
  - Complete Math 0720 series with B or better
- Meet the English requirement in ONE of the following ways:
  - Earn 75 in writing and 80 in reading on Compass Test
  - Complete Basic English with C or better
  - Earn 23 or higher on ACT within last two years
  - Complete English I with C or better
- Take the LPN Gap Achievement Test and score at or above the national average on the Composite Final Score.

**Admission Criteria:**

- LPN Gap Achievement Test - Composite Final Score
- Grade Point Average of required general education and nursing courses required to earn a PN certificate. (CNA not included in GPA.)
- Number of required general education courses completed to earn the degree. (1 point for each course completed.)
  - **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 applicant criteria prior to the admission process and 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 the LPN Gap Achievement test score, grade point average and completed gen ed 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 students 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 students, those on the alternate list will be notified. Should the student not be admitted, the student must reapply for the next year in order to be reviewed for admission with the new group of applicants. Re-applicants will be subject to the same scrutiny and consideration as an initial applicant. Students 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.

**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 who chooses to take PN Roles, NRST 1985, must earn a grade of “C” or better in Nursing I, NRST 1610, and Nursing II, NRST 1620. A student who chooses to take PN Roles, NRST 1985, must earn a grade of “C” or better to earn a certificate of completion. General Education courses required for the PN Spin-off Option must be completed with a “C” or better to be eligible for the PN Spin-off Option. This PN Certificate of Completion is required to take the NCLEX-PN. 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.

**Educational Mobility**

The AD Nursing Program is a three-year program leading to an Associate Degree in Nursing. The nursing program has been designed to promote career mobility by providing more than one entry and exit point. Nursing content has been arranged so that persons who complete the required courses and take a one-credit course, Practical Nursing Roles, and receive a certificate of completion for practical nursing. Those students are then eligible to take the NCLEX-PN examination to become licensed practical nurses. Students have the option to exit or continue in the program. 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 a registered nurse. Licensed practical nurses or GPN’s who would like to further their nursing education may apply to enter the third year of the 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 Wyoming State Board of Nursing requires a full disclosure of any past history related to substance abuse, felony or misdemeanor charges, or treatment for mental or emotional illness. These and related questions must be answered on the application form to take the licensing examination before a permit to take the test is given. This does not mean that all persons who disclose such information will be barred from Licensure, but that the Board of Nursing will evaluate each candidate in light of their charge to protect the public. Applicants are encouraged to contact the Wyoming State Board of Nursing to discuss future Licensure.

## **WWCC Nursing Program Policies to Protect the Public**

The nursing program also requires that accepted applicants answer questions related to substance abuse or treatment of mental or emotional illness on the Health History and Physical examination form prior to beginning the program. If any questions are acknowledged in the affirmative, the applicant will be asked to supply records concerning the treatment and explanation of current status. The faculty evaluates each situation in light of the need to protect the safety of clients. If an impairment or a misuse of substances could endanger the health or safety of clients under the applicant's care, the faculty may delay the applicant's progression in the program until such situations are sufficiently corrected. Failure to disclose past or current health problems may result in dismissal from the program.

National League for Nursing  
Accrediting Commission  
61 Broadway  
New York, NY 10006  
Phone 1-800-669-1656

State of Wyoming  
State Board of Nursing  
2020 Carey Avenue, Suite 110  
Cheyenne, WY 82002  
Phone: 307-777-7601

## Program for Associate Degree in Nursing

**FIRST YEAR (Pre-Requisite)****Pre-Requisite (Three Semesters) Credit**

*Principles of Biology (BIOL 1000) or 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
CNA Competencies (course or demonstration)	

NOTE: Human Anatomy & Physiology II and CNA competencies can be completed the semester before beginning nursing classes. Students may take in the summer for fall admission. A & P II not included in the GPA in this circumstance.

**SECOND YEAR**

<b>Semester Four</b>	<b>Credit</b>	<b>Semester Five</b>	<b>Credit</b>
*Nursing I (NRST 1610) .....	9	*Nursing II (NRST 1620) .....	9
English I (ENGL 1010) .....	3	English II (ENGL 1020, 1111, or 2010) .....	3
Cultural Anthropology (ANTH 1200) or Sociological Principles (SOC 1000) .....	3	Health & Human Activity or Wellness .....	1
	<b>15</b>		<b>13</b>

**(Optional PN Spin-Off after Semesters Four and Five Completed) Credit**

* Practical Nursing Roles (NRST 1985) .....	1
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**THIRD YEAR**

<b>Semester Six</b>	<b>Credit</b>	<b>Semester Seven</b>	<b>Credit</b>
Nursing III (NRST 2630) .....	10	Nursing IV (NRST 2640) .....	9
Amer. & Wyo. Govt. (POLS 1000) .....	3	Problem Solving (MATH 1000) or higher .....	3
	<b>13</b>		<b>12</b>

\*Required to earn PN Certificate.

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, Video, Internet or other asynchronous format.

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

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

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Prin. of Biology (BIOL 1000) or Gen. Biology (BIOL 1010) .....	4	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	Intro. Philosophy (PHIL 1000) .....	3
Health & Human Activity .....	1	Computer Class .....	3
Amer. & Wyo. Gov't. (POLS 1000) .....	3		<b>17</b>
	<b>17 - 18</b>		

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Interpersonal Comm. (COMM 1030) .....	3	Microbiology (BIOL 2210) .....	4
Anatomy & Physiology II (BIOL 2015) .....	4	Electives .....	9
Nutrition (HOEC 1140) .....	3	Statistics (STAT 2050 or 2070) .....	4
Electives .....	5		<b>17</b>
Health & Human Activity .....	1		
	<b>16</b>		

## Occupational Therapy

Students interested in occupational therapy programs should contact the institution they will most probably attend after WWCC and determine their specific requirements and how WWCC coursework will be accepted into their program. The suggested program below is a general framework for most programs.

### Suggested Program for A.S. Degree with emphasis in Pre-Occupational Therapy and Pre-Occupational Therapy Assistant

#### FRESHMAN YEAR

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Principles Biology (BIOL 1000) .....	4	Introduction to Chemistry (CHEM 1000) .....	4
General Psychology (PSYC 1000) .....	4	Developmental Psychology (PSYC 2300) .....	3
Humanities .....	3	Humanities .....	3
Health & Human Activity .....	1-2	Amer. & Wyo. Gov't (POLS 1000) .....	3
	<b>15-16</b>		<b>15</b>

#### SOPHOMORE YEAR

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Anatomy & Physiology (BIOL 2010) .....	4	Anatomy & Physiology II (BIOL 2015) .....	4
Statistics (STAT 2050) .....	4	Sociological Principles (SOC 1000) .....	3
Introduction to Occ. Ther (OCTH 2000) .....	2	Medical Terminology (HLTK 1200) .....	2
Public Speaking (COMM 1010) .....	3	Humanities .....	3
Health & Human Activity .....	1	Abnormal Psychology (PSYC 2340) .....	3
Life Span (EDFD 2451) .....	1	Electives .....	3-4
	<b>16</b>		<b>18-19</b>

Students interested in the OTA option should note the following as they pursue the suggested program above:

- Need 3 hrs. of humanities
- Intro to Biology or Intro to Chemistry should be selected as a science option
- Need Problem Solving and Statistics
- Need First Aid and CPR
- Need a computer course

## Outdoor Leadership

### Suggested Program for A.A. Degree with emphasis in Outdoor Leadership

The Outdoor Leadership Program is designed for students interested in pursuing an education and career in the growing business of providing outdoor recreational opportunities. The program provides a strong management background through classes in management and organization, leadership, accounting, advertising, and problem solving. Simultaneously, the program introduces the student to a wide variety of outdoor skills and activities. Students are required to take a minimum of 12 credits of activity courses, selecting from at least 3 of the 4 groups listed below. Most of these electives are 8 week block classes, and most of the contact hours take place over 1 or 2 weekends. Students are encouraged to consider going to summer school if they want to complete the program within two years.

#### FRESHMAN YEAR

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	Technical Writing (ENGL 2010 or ENGL 1111) .....	3
Biology (BIOL 1000 or 1010) .....	4	Environmental History (HIST 1410) .....	3
Computer Information Systems (COSC 1200) .....	3	Management and Organization (MGT 2100) .....	3
Wellness (HLED 1003) .....	3	College Level Math .....	3
Intro to Outdoor Recreation (G&R 1210) .....	3	Intro to Natural Resources (G&R 1050) .....	3
Wilderness Experience elective .....	1	Personalized Fitness (PEAC 2005) .....	2
Outdoor Sports elective .....	1	Wilderness Experience elective .....	1
	<b>18</b>	Winter Sport elective .....	1
		Water Outdoor Sport elective .....	1
			<b>20</b>

## SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Organizational Communication (COMM 2250) or COMM 1010, 2120 .....	3	Humanities elective (Foreign Lang. recommended)	3-4
Physical Geology (GEOL 1100) or Intro to Chemistry (CHEM 1000) .....	4	Accounting I (ACCT 2010) .....	3
Humanities elective (Foreign Lang. recommended) ..	3-4	Advertising (MKT 1300) .....	3
Management or Marketing elective (MGT 1000, MGT 1200 or MKT 2100).....	3	Principles of Management (MGT 2100) .....	3
Wilderness First Aid (HLED 1221) .....	2	Outdoor Leadership Internship (G&R 2470) .....	1
Wilderness Experience elective .....	1	Amer. & Wyo. Gov't (POLS 1000) .....	3
Outdoor Sports Elective .....	1	Advanced Lifesaving (PEAC 2018) .....	1
		Winter Outdoor Sport elective .....	1
		Outdoor Sport elective .....	2
	<b>17-18</b>		<b>20-21</b>

The outdoor activities classes have been divided into four groups. The students benefit most if they take a variety of outdoor activity classes, and are therefore encouraged to take classes from all four groups. However, they must complete courses in 3 of the areas. Additional fees may apply for some of these courses. The four groups are as follows:

**Wilderness Experience/Skills:** Each class will spend a minimum of 15 hours in primitive wilderness conditions. The emphasis is on developing skills for living in the wilderness.

**Winter Outdoor Sports:** Skills for recreational sports on snow or ice are taught and practiced in these classes. Classes may include conditioning as well as outdoor trips.

**Water Outdoor Sports:** Skills for recreational sports in or around water are taught and practiced in these classes. Classes may include conditioning as well as outdoor trips.

**Seasonal Outdoor Sport:** Skills for recreational sports in various environments are taught and practiced. These outdoor activities are generally associated with specific seasons. Classes may include conditioning as well as outdoor trips.

**Wilderness Experience/Skills:** (minimum of 20 hours in primitive wilderness conditions)

Backpacking	Back Country Horsemanship
Desert Survival Skills	Big Game Habitat Skills
Mountain Wilderness Skills	

<b>Winter Outdoor Sports:</b>	X-Country Skiing	Snowboard Riding I
	Downhill Skiing I	Snowshoeing
	Downhill Skiing II	Snow and Ice Climbing I
	Back Country Ski and Camp	

<b>Water Outdoor Sport:</b>	Beginning Kayaking	Intermediate Kayaking
	Beginning Skin and Scuba	Advanced Scuba
	Whitewater Rafting	Fly Fishing Techniques
	Beginning Canoe and Kayak Touring	

<b>Seasonal Outdoor Sport:</b>	Rock Climbing I	Rock Climbing II
	Mountain Biking	Horseback Riding I & II

## 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 I (ENGL 1010) .....	3 credits
English II (ENGL 1020 or ENGL 2010) ....	3 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)	
Human Anatomy & .....	4 credits
Physiology I (BIOL 2010)	
Human Anatomy & .....	4 credits
Physiology II (BIOL 2015)	
Introductory Chemistry (CHEM 1000) .....	4 credits

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

General Microbiology (MOLB 2210) .....	4 credits
Amer. & Wyo. Gov't (POLS 1000) .....	3 credits
Principles of Technology (PHYS 1080) .....	4 credits
Computer Information Systems (COSC 1200) .	3 credits
Intro to Cultural Anthropology (ANTH 1200)	3 credits
Applied College Algebra (MATH 1200) .	3-4 credits
Or MATH 1400, or STAT 2050	
Applied Arts Elective .....	3 credits
Humanities Elective .....	3 credits

## 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.

## 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.

The first year of the curriculum includes course basic sciences, social sciences and humanities. The director of the Sheridan College dental hygiene program must be notified of the student's intent to pursue a dental hygiene education and will act as program advisor, in cooperation with Western Wyoming Community College Health Science faculty, for the freshman year.

### A Career in Dental Hygiene

Dental hygienists perform many vital functions to improve and maintain the oral health of their patients, from teaching patients how to care for their teeth and mouth to removal of deposits from teeth, gathering diagnostic information, taking x-ray films, and applying preventive materials to teeth. In addition, they may become involved in public health projects, dental hygiene education, research or several other career alternatives.

Dental hygienists are required by law to obtain a license from a state board of dental examiners in order to work directly in the mouth. The license may be obtained only after a suitable course instruction in a college or university and completion of written and clinical examinations.

### 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 1 of the year of entry into the professional program.

Class size in the program is limited and selection of students for the professional program (sophomore and junior years) is on a competitive basis. Students with a G.P.A. below 2.5 will not be considered due to state board requirements. In addition to general college admission requirements, the applicant must submit the following: 1) transcripts indicating satisfactory completion of all courses required in the freshman year and cumulative grade point averages; 2) acceptable scores on the ACT test (or equivalent); 3) completed Dental Hygiene Admissions Committee questionnaire; 4) complete interview in January or February.

Most applicants to the professional program exceed the minimal requirements of the College in terms of grade point average (GPA) and individual course grades in the freshman year -items of major importance in the selection process. Applicants are selected on the basis of demonstrated potential for successful completion of program studies and entry into dental hygiene practice or advanced education.

## Suggested Program for Pre- Dental Hygiene for Transfer

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
College Level Math (See advisor for specific requirements) .....	3-5	General Psych. (PSYC 1000) .....	4
Anatomy & Phys. (BIOL 2010) .....	4	Anatomy & Phys. (BIOL 2015) .....	4
Intro to Chem. (CHEM 1000) (See advisor before enrolling) .....	4	Microbiology (MOLB 2210) .....	4
Intro. to Sociology (SOC 1000) or Cultural Anth. (ANTH 1200).....	3	Intro. to Public Speaking (COMM 1010) .....	3
	<b>17-19</b>		<b>18</b>

**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, English 1010 and 1020, or mathematics - without jeopardizing the possibility of admission into the sophomore year. It will be the STUDENT'S RESPONSIBILITY to complete ALL required courses before graduation from the program, however.

**Pre-Dentistry**Suggested Program for A.S. Degree with emphasis on Pre-Dentistry  
Medicine**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1020) .....	3	English II (ENGL 1020) .....	3
General Biology (BIOL 1010) .....	4	General Biology II (BIOL 2020) .....	4
General Chemistry (CHEM 1020) .....	4	General Chemistry II (CHEM 1030) .....	4
Calculus I (MATH 2200) .....	5	Statistics (STAT 2050) .....	4
Health & Human Activity .....	1	Health & Human Activity .....	1
	<b>17</b>		<b>16</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Social Science/Humanities/ Applied Arts .....	3	Amer. & Wyo. Gov't (POLS 1000) .....	3
Organic Chemistry I (CHEM 2320) .....	4	General Physics II (PHYS 1120) .....	4
General Physics I (PHYS 1110) .....	4	Social Science/Humanities/Applied Arts .....	6
Computer Class .....	3	Organic Chemistry II (CHEM 2340) .....	4
Quantitative Analysis (CHEM 2230).....	5		<b>17</b>
	<b>19</b>		

**Pre-Medicine**

## Suggested Program for A.S. Degree with emphasis on Pre-Medicine

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Gen. Biology I (BIOL 1010) .....	4	Gen. Biology II (BIOL 2020) .....	4
Gen. Chemistry I (CHEM 1020) .....	4	Gen. Chemistry II (CHEM 1030) .....	4
Calculus I (MATH 2200) .....	5	Statistics (STAT 2050) .....	4
Health & Human Activity .....	1	Health & Human Activity .....	1
	<b>17</b>		<b>16</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Social Science/Humanities/Applied Arts.....	3	Amer. & Wyo. Gov't. (POLS 1000) .....	3
Organic Chemistry I (CHEM 2320) .....	4	Gen. Physics II (PHYS 1120) .....	4
Gen. Physics I (PHYS 1110) .....	4	Social Science/Humanities/ Applied Arts .....	6
Computer Class .....	3	Organic Chemistry II (CHEM 2340) .....	4
Quant. Analysis (CHEM 2230) .....	5		<b>17</b>
	<b>19</b>		

## Pre-Pharmacy

Suggested Program for A.S. Degree with emphasis on Pre-Pharmacy

### FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English I (ENGL 1010) .....	3	Technical Writing (ENGL 2010) .....	3
Gen Chemistry I (CHEM 1020) .....	4	Gen Chemistry II (CHEM 1030) .....	4
Gen Biology I (BIOL 1010) .....	4	Gen. Biology II (BIOL 2020) .....	4
Health & Human Activity .....	1	Calculus I (MATH 2200) .....	5
Computer Info Systems (COSC 1200) .....	3	Health & Human Activity .....	1
	<b>15</b>		<b>17</b>

### SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Amer. & Wyo. Gov't (POLS 1000) .....	3	Social Sci, Hum or App Art .....	6
Organic Chem I (CHEM 2420) .....	4	Organic Chem II (CHEM 2320) .....	4
Anatomy & Phys (BIOL 2010) .....	4	Anatomy & Phys (BIOL 2015) .....	4
Statistics (STAT 2050) .....	4	Microbiology (MOLB 2210) .....	4
Social Sci., Hum, App. Arts .....	3		<b>18</b>
	<b>18</b>		

## Pre-Physical Therapy

The University of Utah and Western Wyoming Community College have entered into an agreement specifying which courses will transfer to meet requirements as prerequisites. All students intending to transfer to University of Utah Physical Therapy Program are advised to contact the WWCC Physical Therapy advisor and the appropriate university's physical therapy division for further details.

Wyoming also has an agreement with Western Undergraduate Exchange (WUE) for student exchange. All interested students are encouraged to contact the physical therapy advisor for specific details.

### Suggested pre-physical therapy courses

Biological Sciences	BIOL 1010 BIOL 2010, 2015	General Biology Human Anatomy and Physiology
Physics	PHYS 1110, 1120	General Physics
Chemistry	CHEM 1020, 1030 CHEM 2030, 2040	General Chemistry Organic Chemistry
Psychology	PSYC 1000 PSYC 2340	Psychology Abnormal Psychology
English	ENGL 1010 ENGL 2010	English I Technical Writing
Math	MATH 1400, MATH 1405, MATH 2200 or STAT 2050	Precalculus Algebra Precalculus Trigonometry Calculus I Fundamentals of Statistics
Health Science	HLED 1225	First Aid & CPR



# 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. You 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 areas of Humanities and Fine Arts offers courses in journalism, art, theatre, music, communication, foreign language, 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**

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Lab Science .....	4	Intro to Human Comm (COMM 1040) .....	3
Amer. & Wyo. Govt. (POLS 1000) .....	3	College Level Math (MATH 1000+ or higher) .....	3
Public Speaking (COMM1010) .....	3	Interpersonal Comm (COMM 1030) .....	3
Elective* .....	3	Health & Human Activity .....	1
Health & Human Activity .....	1	Elective* .....	3
	<b>17</b>		<b>16</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
Intro to Mass Media (COMM 1000) .....	3	Reporting (COMM 2100) .....	3
Foreign Language .....	4	Social Science .....	3
Publication Prod (COMM 1370) .....	1	Publication Prod (COMM 1375) .....	1
Social Science .....	3	Foreign Language .....	4
Communication Electives ** .....	6	Electives * .....	4-6
	<b>17</b>		<b>15-17</b>

\*\*Choose from Organizational Communication, Introduction to Persuasion, Nonverbal Communication, Small Group Communication, Conflict Management, Intercultural Communication, Graphic Design for Desktop Publishing, 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.

Communication

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

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
Intro to Mass Media (COMM 1000) .....	3	Tech Writing (ENGL 2010) .....	3
English I (ENGL 1010) .....	3	Intro to Human Comm (COMM 1040) .....	3
Foreign Language .....	4	Foreign Language .....	4
Interpersonal Comm (COMM 1030) .....	3	Amer. & Wyo. Govt. (POLS 1000) .....	3
Computer Electives .....	2-3	Graphic Design for Desktop Pub (COMM 2300) ....	3
Health & Human Activity .....	1		<b>16</b>
	<b>16-17</b>		

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
Organizational Comm (COMM 2250) .....	3	Reporting (COMM 2100) .....	3
College Level Math .....	3	Social Science .....	3
Social Science .....	3	Lab Science .....	4
Health & Human Activity .....	1	Public Relations (COMM 2270) .....	3
Electives * .....	3	Electives * .....	3
Communication Electives ** .....	3		<b>16</b>
	<b>16</b>		

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

\*\*Choose from Public Speaking, Introduction to Persuasion, Nonverbal Communication, Small Group Communication, Conflict Management, Intercultural Communication.

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

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Literature course* .....	3	American Lit I or II (ENGL 2310, 2320) .....	3
English I (ENGL 1010) .....	3	English II (ENGL 1020, 1111 or 2010) .....	3
Lab Science .....	4	Foreign Language .....	4
Foreign Language .....	4	College Level Math .....	3-4
Health & Human Activity .....	1-2	Health & Human Activity or Electives .....	2-3
	<b>15-16</b>		<b>15-17</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Literature course* .....	3	American Lit I or II (ENGL 2310, 2320) .....	3
Amer. & Wyo. Govt. (POLS 1000) .....	3	Social Science .....	3
Social Science .....	3	Writing Course** .....	3
Applied Art .....	1-3	Literature course* .....	3
Foreign Language .....	4	Health & Human Activity or Electives .....	3-5
	<b>14-16</b>		<b>15-17</b>

\*Literature Courses: choose from World Lit I & II, English 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**

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
Intro to Mass Media (COMM 1000) .....	3	English II (ENGL 1020) or Tech Writing (ENGL 2010) or Adv Comp (ENGL 1111) .....	3
English I (ENGL 1010) .....	3	Intro to Human Comm (COMM 1040) .....	3
Foreign Language .....	4	Foreign Language .....	4
Computer Info Systems (COSC 1200) .....	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
	<b>15</b>	Health & Human Activity .....	1
			<b>16</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
Photography (ART 1150) .....	3	Reporting (COMM 2100) .....	3
Lab Science .....	4	Social Science .....	3
Amer. & Wyo. Govt. (POLS 1000) .....	3	Public Relations (COMM 2270) .....	3
Problem Solving (MATH 1000) .....	3	Publication Production (COMM 2375) .....	1
Publication Production (COMM 2370) .....	1	Electives ** .....	6
Social Science .....	3		<b>16</b>
	<b>17</b>		

\*Depending upon competency and interest, choose from any computer applications course, such as Computer Graphics: FrontPage, PowerPoint, Beginning 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.

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

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Lab Science .....	4	Science .....	3-4
First Year Spanish I (SPAN 1010) .....	4	First Year Spanish II (SPAN 1020) .....	4
Humanities .....	3	Problem Solving or Pre Calc Algebra (MATH 1000 or 1400) .....	3-4
Health & Human Activity .....	1-2	Elective or Health & Human Activity .....	3
	<b>15-16</b>		<b>16-18</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Amer. & Wyo. Govt. (POLS 1000) .....	3	Social/Behavioral Science .....	3
Second Year Spanish I (SPAN 2030) .....	4	Second Year Spanish II (SPAN 2040) .....	4
Visual or Performing Art .....	3	Global Studies .....	3
Health & Human Activity .....	1	Electives .....	6
Humanities .....	3		<b>16</b>
Elective .....	3		
	<b>17</b>		

## 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 I (ENGL 1010) .....	3	English II (ENGL 1020 or 2010) .....	3
Amer. & Wyo. Govt. (POLS 1000) .....	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
Elective .....	3	Elective .....	3
	<b>16</b>	Health & Human Activity .....	1
			<b>16-17</b>

**SUMMER** – Students may take credits 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	Spanish I (SPAN 1010) .....	4
Health & Human Activity .....	1	Western Studies Electives (below) .....	6
Seminar in Western Studies (HUMN 2486) .....	3	Elective .....	2-3
Intro Natural Resources (G&R 1050) .....	3		<b>15-16</b>
Spanish I (SPAN 1010) .....	4		
	<b>17</b>		

#### Western Studies Electives:

**Humanities:** ENGL 2310, ENGL 2320, ENGL 2400, SPAN 1010, 1020, 2030, 2040, 2300

**Social Science:** HIST 2290, HIST 1250, G&R 1000, ANTH 1300, ANTH 2300

**Lab Science** courses well suited to an AA Degree in Western American Studies: BIOL 1000, 1010, 2020; GEOL 1100, 1200; BIOL 2400; CHEM 1000, 1020, 1030

**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-Hour 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 either 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
		Wyoming Writers .....	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, 2210, 2300; BIOL 1210, 1220, 2310, 2410; ENGL 2400; G&R 1000, 1050; GEOL 1100, 1200; HIST 1250, 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.

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

#### FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
Gen. Biology I (BIOL 1010) .....	4	Gen. Biology II (BIOL 2020) .....	4
Gen. Chemistry I (CHEM 1020) .....	4	Gen. Chemistry II (CHEM 1030) .....	4
Pre-Calculus Algebra (MATH 1400) .....	4	Pre-Calculus Trigonometry (MATH 1405) .....	3
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Health & Human Activity .....	1	Computer Class .....	3
	<b>16</b>		<b>17</b>

#### SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Foreign Language .....	4	Foreign Language .....	4
Social Science/Humanities/Applied Arts.....	3	Amer. & Wyo. Gov't. (POLS 1000) .....	3
General Physics I (PHYS 1110) .....	4	Humanities/Social Science/ Applied Arts .....	3
Organic Chemistry I (CHEM 2320) .....	4	General Physics II (PHYS 1120) .....	4
Health & Human Activity .....	1		<b>18</b>
Organic Chemistry II (CHEM 2340) .....	4		
	<b>16</b>		

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

#### FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English I (ENGL 1020) .....	3	Gen. Chemistry II (CHEM 1030) .....	4
Gen. 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
	<b>16</b>		<b>17-18</b>

#### SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Quant. Analysis (CHEM 2230) .....	5	Amer. & Wyo. Gov't. (POLS 1000) .....	3
Social Science/Humanities/Applied Arts .....	6	Humanities/Social Science/Applied Arts .....	3
College Physics II (PHYS 1320) .....	4	English II (ENGL 1020) .....	3
Org. Chem. I (CHEM 2320) .....	4	Org. Chem. II (CHEM 2340) .....	4
	<b>19</b>	Computer Class .....	3
			<b>16</b>

## 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 another for those who need to complete precalculus. Students who are not ready for precalculus should plan on spending additional time or consider the two-year engineering technology program. 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 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		<b>17</b>
	<b>17</b>		

### SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Statics (ES 2110) .....	4	Dynamics (ES 2120) .....	4
Amer. & Wyo. Gov't. (POLS 1000) .....	3	Calculus III (MATH 2210) .....	5
Physics II (PHYS 1320) .....	4	Differential Equations (MATH 2310) .....	3
Engineering Circuit Theory (ES 2211) .....	4	Humanities/Social Science/Applied Art	
Humanities/Social Science/Applied Art		Elective .....	3
Elective .....	6	Mechanics of Materials (ES 2410) .....	3
	<b>21</b>		<b>18</b>

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

## 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 I (ENGL 1010) .....	3	Calculus I (MATH 2200) .....	5
Algebra & Trigonometry (MATH 1450) .....	5	Chemistry II (CHEM 1030) .....	4
Chemistry I (CHEM 1020) .....	4	Eng. Computing (ES 1060) .....	3
Health and Human Activity .....	1		<b>15</b>
	<b>14</b>		

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Calculus II (MATH 2205) .....	5	Calculus III (MATH 2210) .....	5
Amer. & Wyo. Gov't. (POLS 1000) .....	3	Physics I (PHYS 1310) .....	4
Humanities/Social Science/Applied Art		Humanities/Social Science/Applied Art	
Electives .....	6	Electives .....	3
	<b>14</b>	Health and Human Activity .....	1
			<b>13</b>

**THIRD YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Statics (ES 2110) .....	4	Dynamics (ES 2120) .....	4
Electives .....	3	Mechanics of Materials (ES 2410) .....	3
Physics II (PHYS 1320) .....	4	Differential Equations (MATH 2310) .....	3
Engineering Circuit Theory (ES 2211) .....	4	Elective .....	3
	<b>15</b>		<b>13</b>

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

**Program for A.A.S. Degree in Engineering Technology**

In recognition of the need for engineering technicians, a program leading to the Associate of Applied Science Degree in Engineering Technology is offered. This program is suggested for the student who plans only two years of formal study.

The suggested courses provide the foundations for engineering-related employment. The technical electives may be selected from a wide variety of applied technology courses, additional math, engineering or computer science courses.

The required 24 hours of coursework needed in the degree area may include courses in the engineering area (34) combined with any ONE technical area (ie: electronics or pneumatics).

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	PreCalculus Algebra (MATH 1400) .....	4
Inter. Algebra (MATH 0930) .....	4	Humanities/Applied Arts .....	3
Chemistry I (CHEM 1020) .....	4	English II (ENGL 1020, 2010) .....	3
Social Science/Humanities/Applied Arts .....	3	Amer. & Wyo. Gov't. (POLS 1000) .....	3
	<b>14</b>	Health & Human Activity .....	1
		Computer Aided Drafting I (ES 2230) .....	3
			<b>17</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Physics I (PHYS 1110) .....	4	Physics II (PHYS 1120) .....	4
Social Science/Humanities/Applied Arts.....	3	Statics (ES 2110) .....	4
Calculus I (MATH 2200) .....	5	Technical Electives .....	9
Computer Aided Drafting II (ES 2240) .....	3		<b>17</b>
Health & Human Activity .....	1		
	<b>16</b>		

## 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 I (ENGL 1010) .....	3	Tech. Writing (ENGL 2010) .....	3
Gen. Biol I (BIOL 1010) .....	4	Gen. Biol II (BIOL 2020) .....	4
Computer App. Course .....	3	Pre-Calc Trig (MATH 1405) .....	3
Pre-Calculus Algebra (MATH 1400) .....	4	Gen Chem II (CHEM 1030) .....	4
Gen. Chem I (CHEM 1020) .....	4	Health & Human Activity .....	1
	<b>18</b>		<b>15</b>

### SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Ecology (BIOL 2400) .....	3	Intro Nat Res (G&R 1050) .....	3
Organic Chem (CHEM 2320) .....	4	Organic Chem (CHEM 2340) .....	4
Amer. & Wyo. Gov't (POLS 1000) .....	3	Intro Philosophy (PHIL 1000) .....	3
Public Speaking (COMM 1010) .....	3	Ethics or Humanities .....	
Health & Human Activity .....	1	Electives* .....	7
	<b>14</b>		<b>17</b>

\*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 Geology

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

### FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Gen. Chemistry I (CHEM 1020) .....	4	Gen. 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
	<b>17</b>		<b>17</b>

### SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Foreign Language .....	4	Foreign Language .....	4
Amer. & Wyo. Gov't. (POLS 1000) .....	3	Social Science/Humanities/Applied Arts.....	6
Humanities/Social Science/ Applied Arts .....	3	Computer Class .....	3
Physics I (PHYS 1110) .....	4	Physics II (PHYS 1120) .....	4
Geomorphology (GEOL 2150) .....	4		<b>17</b>
	<b>18</b>		

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

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Calculus I (MATH 2200) .....	5	Calculus II (MATH 2205) .....	5
Humanities/Social Science/Applied Arts .....	3	Humanities/Social Science/Applied Arts .....	3
Computer Class .....	3	Elem. Statistics (STAT 2050) .....	4
Health & Human Activity .....	1	Health & Human Activity .....	1
	<b>15</b>		<b>16</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Foreign Language .....	4	Foreign Language .....	4
Lab Science .....	4	Science Elective .....	4
Calculus III (MATH 2210) .....	5	Applied Differential Equations (MATH 2310) .....	3
Social Science/Humanities/Applied Arts.....	3	Amer. & Wyo. Gov't. (POLS 1000) .....	3
	<b>16</b>	Electives .....	3
			<b>17</b>

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

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
General Biology I (BIOL 1010) .....	4	General Biology II (BIOL 2020) .....	4
Introduction to Chemistry (CHEM 1000) .....	4	English II (ENGL 2020) .....	3
Pre-Calculus Algebra (MATH 1400) .....	4(5)	Pre-Calculus Trig (MATH 1405) .....	3
English I (ENGL 1010) .....	3	or Elective .....	3
Health & Human Activity .....	1	Amer. & Wyo. Gov't. (POLS 1000) .....	3
	<b>16-17</b>	Health & Human Activity .....	1
			<b>14</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
General Ecology (BIOL 2400) .....	3	Computer Class .....	3
Field Ecology (BIOL 2410) .....	2	Public Speaking (COMM 1010) .....	3
Statistics (STAT 2050) .....	3	Natural Resources (G&R 1050) .....	3
Physical Geology (GEOL 1100) .....	3	Microeconomics (ECON 1020) .....	3
Intro to Geography (G&R 1000) .....	3	Electives .....	5
Macroeconomics (ECON 1010) .....	3		<b>17</b>
	<b>17</b>		

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

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Principles of Biology (BIOL 1000) .....	4	Biochemistry (CHEM 2290) .....	4
Intro to Chemistry (CHEM 1000) .....	4	Amer. & Wyo. Gov't (POLS 1000) .....	3
English I (ENGL 1010) .....	3	Finite Math (MATH 1050) .....	3
Problem Solving (MATH 1000) .....	3	English II (English 1020) .....	3
Health & Human Activity .....	1	Computer Course .....	3
	<b>15</b>	Health & Human Activity .....	1
			<b>17</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Ecology (BIOL 2400) .....	3	Microeconomics (ECON 1020) .....	3
Field Ecology (BIOL 2410) .....	2	G&R Elective .....	3
Statistics (STAT 2050) .....	3	Social Science/Humanities .....	6
Public Speaking (COMM 1010) .....	3	Elective (Recommended: Natural Resources	
Macroeconomics (ECON 1010) .....	3	G&R 1050) .....	3
Elective .....	3		<b>15</b>
	<b>17</b>		

## Suggested Program for A.S. Degree with emphasis on Pre-Veterinary Medicine

### FRESHMAN YEAR

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
General Biology (BIOL 1010) .....	4	General Biology II (BIOL 2020) .....	4
General Chemistry (CHEM 1020) .....	4	General Chemistry II (CHEM 1030) .....	4
Calculus I (MATH 2200) .....	5	Statistics (STAT 2050) .....	4
Health & Human Activity .....	1	Health & Human Activity .....	1
	<b>17</b>		<b>16</b>

### SOPHOMORE YEAR

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Social Science/Humanities/ Applied Arts .....	3	Amer. & Wyo. Govt. (POLS 1000) .....	3
Organic Chemistry I (CHEM 2320) .....	4	General Physics II (PHYS 1120) .....	4
General Physics I (PHYS 1110) .....	4	Social Science/Humanities/Applied Arts .....	6
Computer Class .....	3	Organic Chemistry II (CHEM 2340) .....	4
Quantitative Analysis (CHEM 2230).....	5		<b>17</b>
	<b>19</b>		

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

### FRESHMAN YEAR

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
General Biology I (BIOL 1010) .....	4	General Biology II (BIOL 2020) .....	4
General Chemistry I (CHEM 1020) .....	4	General Chemistry II (CHEM 1030) .....	4
Pre-Calculus Algebra (MATH 1400)		English II (ENGL 2020) .....	3
or Algebra & Trig (MATH 1450) .....	4-5	Pre-Calculus Trig (MATH 1405)	
English I (ENGL 1010) .....	3	or Social Science, Humanities or Applied Art ....	3
Health & Human Activity .....	1	Health & Human Activity .....	1
	<b>16-17</b>		<b>15</b>

### SOPHOMORE YEAR

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
General Ecology (BIOL 2400) .....	4	Amer. & Wyo. Gov't. (POLS 1000) .....	3
Field Ecology (BIOL 2410) .....	2	Social Science or Humanities .....	3
Calculus I (MATH 2200) .....	5	Statistics (STAT 2050) .....	3
Physics 1110 or Geology 1100 .....	3	Public Speaking (COMM 1010) .....	3
Computer Science I COSC 1010 .....	3	Electives .....	4 (3)
	<b>17</b>		<b>15-16</b>



## 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 I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Intro. to Archaeology (ANTH 1300) .....	3	Phys. Anthropology (ANTH 1100) .....	3
Pre-Calculus Algebra (MATH 1400) .....	4	Statistics for Social Science (STAT 2070) .....	4
Gen. Biology (BIOL 1010) .....	4	Gen. Biology (BIOL 2020) .....	4
Cultural Anthropology (ANTH 1200) .....	3	Applied Arts .....	3
Health & Human Activity .....	1	Health & Human Activity .....	1
	<b>18</b>		<b>18</b>

#### 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	No. American Indians (ANTH 2210) .....	3
Amer. & Wyo. Gov't. (POLS 1000) .....	3	Electives .....	6
Psychology (PSYC 1000) .....	4		<b>16</b>
	<b>17</b>		

### Suggested Program for A.A. Degree with Emphasis in Archaeology

#### FRESHMAN YEAR

Fall Semester	Credits	Spring Semester	Credits
English I (ENGL 1010) .....	3	Foreign Language .....	4
Principles of Biology (BIOL 1000) .....	4	English II (ENGL 1020) .....	3
Foreign Language .....	4	Phys Anthro (ANTH 1100) .....	3
Pre-Calc Algebra (MATH 1400) .....	4	Statistics for Social Sci (STAT 2070) .....	4
Health & Human Activity .....	1	Health & Human Activity .....	1
	<b>16</b>		<b>15</b>

#### SUMMER OR FALL

Prehistoric Arch Field Meth (ANTH 2311) .....	4
Historical Arch Field Meth (ANTH 2312) .....	4
	<b>8</b>

#### SOPHOMORE YEAR

Fall Semester	Credits	Spring Semester	Credits
Intro to Archaeology (ANTH 1300) .....	3	Applied Arts .....	3
Cult Anthro (ANTH 1200) .....	3	North Amer Indians (ANTH 2210) .....	3
World Ethnography (ANTH 2200) .....	3	Hist of Amer Indians (HIST 2290) .....	3
Amer. & Wyo. Gov't. (POLS 1000) .....	3	Physical Geology (GEOL 1100) .....	4
Sociological Princ (SOC 1000) .....	3	Portfolio/Capstone (ANTH 2800) .....	2
	<b>15</b>		<b>15</b>



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. The courses included in the Suggested Program are transferable to the University of Wyoming. 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 I (ENGL 1010) .....	3	Technical Writing (ENGL 2010) .....	3
Problem Solving (MATH 1000) or Pre-Calculus Algebra (MATH 1400) .....	3-4	Amer. & Wyo. Gov't. (POLS 1000) .....	3
*Intro. to Criminal Justice (CRMJ 2120) .....	3	Social Problems (SOC 1100) .....	3
Gen Psych. I (PSYC 1000) .....	4	Statistics for Social Science (STAT 2070) .....	4
Intro. Soc. (SOC 1000) .....	3	Intro. to Cult. Anthro. (ANTH 1200) OR Non-western Pol. Culture (POLS 1200) .....	3
Health & Human Activity .....	1	Intro. to Phil. or Critical Thinking (PHIL 1000, 1100) .....	3
	<b>17-18</b>		<b>19</b>

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Intro to Chemistry (CHEM 1000) .....	4	Foreign Language (SPAN 1020) .....	4
Foreign Language (SPAN 1010) .....	4	Principles of Biology (BIOL 1000) .....	4
*Criminal Law (POLS 2210) .....	3	Public Speaking (COMM 1010) .....	3
Drugs and Behavior (PSYC 2210) .....	3	Social Problems (SOC 1100) or *Criminology (CRMJ/SOC 2400) .....	3
Race and Ethic Relations (SOC 2350) .....	3	Social Science Elective .....	3
Health & Human Activity .....	1		<b>17</b>
	<b>17</b>		

\* CRMJ Foundation courses. Required for UW Bachelor of Arts in CRMJ.

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

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English I (ENGL 1010) .....	3	Statistics for Social Science (STAT 2070) .....	4
Foreign Language .....	4	English II (ENGL 1020) .....	4
Intro. to Geography (G&R 1000) .....	3	Foreign Language .....	4
Problem Solving or Pre-Calculus Algebra .....	3-4	Intro. of Chemistry (CHEM 1000) .....	4
Elective .....	3	Health & Human Activity .....	1
	<b>16-17</b>		<b>16</b>

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Intro. to Physical Geology (GEOL 1100) .....	4	Intro. to Hist. Geology (GEOL 1200) .....	4
Amer. & Wyo. Gov't. (POLS 1000) .....	3	Intro. to Philosophy (PHIL 1000), Film App. (ENGL 2470), or Literature* .....	3
Drawing I, Design: 3D, or Beg. Acting .....	3	Non-Western Political Cul. (POLS 1200) or Cultural Anthropology (ANTH 1200) .....	3
Environmental Science .....	3	International Relations (POLS 2310) .....	3
Macroeconomics (ECON 1010) .....	3	Elective .....	3
Health & Human Activity .....	1		<b>16</b>
	<b>17</b>		

\*Literature course options: ENGL 2210, 2220, 2250, 2260, 2310, 2320, 2370

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

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English I (ENGL 1010) .....	3	English II (ENGL 2010) .....	3
Foreign Language .....	4	Foreign Language .....	4
Amer. & Wyo Gov't. (POLS 1000) .....	3	Statistics for Social Science (STAT 2070) .....	4
Problem Solving, OR Pre-Calculus Algebra .....	4	U.S. Hist II: since 1877 (HIST 1220) .....	3
History of the U.S. to 1877 (HIST 1210) .....	3	History of Wyoming (HIST 1250) .....	3
Health & Human Activity .....	1	Health & Human Activity .....	1
	<b>18</b>		<b>18</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
General Biology I (BIOL 1010) .....	4	Intro. to Philosophy (PHIL 1000) or	
Foreign Language .....	4	Film Appreciation (ENGL 2470), or Literature* .....	3
Public Speaking (COMM 1010) .....	3	Western Civilization II (HIST 1120) .....	3
Western Civilization (HIST 1110) .....	3	Chemistry, Physics, or Geology .....	4
Chinese Civilization (HIST 2040) .....	3	History of Amer. Indians (HIST 2290), or	
	<b>17</b>	History of the West (HIST 1290) .....	3
		Elective .....	3
		Health & Human Activity .....	1
			<b>17</b>

\*Literature course options: ENGL 2210, 2220, 2250, 2260, 2310, 2320, 2370

## Program for A.A.S. Degree in Human Services Human Service Specialist

Human Service Specialist is a generic term for people with various job titles, such as social service assistant, case management aide, mental health technician, occupational job coach, drug and alcohol case manager, and community outreach worker. They may work with alcohol and drug abusers, psychotic or emotionally disabled children and adults, developmentally disabled individuals, or the elderly. They generally work under the direction of professionals from a wide variety of fields, such as social work, psychology, recreational therapy, occupational therapy, or nursing.

In general, Human Service Specialists help plan and implement individual treatment programs. Specific activities vary according to the work setting, but they may include the following: interviewing and information gathering; working in a hospital unit which participates in admitting, screening, evaluating, and discharge planning; record keeping; making referrals to community agencies; working for the patient's needs and rights; and visiting patients at home after their release from a hospital.

Another area of emphasis is working in community mental health. They use rehabilitative techniques for non-hospitalized patients who have problems adjusting to their social environment. These specialists may be primarily concerned with drug and alcohol abuse, parental effectiveness, elderly, or problems in interpersonal relationships.

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	English (ENGL 1020 or 2010) .....	3
*General Psychology (PSYC 1000) .....	4	*Human Services Worker (PSYC 1320) .....	3
General Biology (BIOL 1010) or BIOL 1000 .....	4	<b>OR</b> Abnormal Psychology (PSYC 2340)	
*Sociological Principles (SOC 1000) .....	3	*Social Problems (SOC 1100) .....	3
First Aid & CPR (HLED 1225) .....	2	Interpersonal Comm (COMM 1030) .....	3
	<b>16</b>	*PSYC or SOC course .....	2-3
		*Drugs & Behavior (PSYC 2210) .....	3
			<b>17-18</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Computer Class .....	3	Amer. & Wyo. Govt. (POLS 1000) .....	3
*Developmental Psychology (PSYC 2300) .....	3	*Psychology of Adjustment (PSYC 2330) .....	3
Directly Related Coursework .....	6	Directly Related Coursework .....	6
Electives .....	3-4	Electives .....	3-4
	<b>15-16</b>		<b>15-16</b>

\*Required courses for graduation in this program.

Directly Related Coursework may be selected from PSYC, SOC or HLED 1003, NRST 1510, PHIL 2300, COMM 1050.

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

#### FRESHMAN YEAR

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Foreign Language .....	4	Foreign Language .....	4
Amer. & Wyo. Gov't. (POLS 1000) .....	3	Statistics for Social Science (STAT 2070) .....	4
Problem Solving or Pre-Calculus Algebra .....	3-4	Elective .....	3
Cultural Anthropology (ANTH 1200) .....	3	Health & Human Activity .....	1
Health & Human Activity .....	1		<b>15</b>
	<b>17-18</b>		

#### SOPHOMORE YEAR

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Macroeconomics (ECON 1010) .....	3	Microeconomics (ECON 1020) .....	3
Foreign Language .....	4	Foreign Language .....	4
Biology (BIOL 1010) .....	4	Intro. to Philosophy (PHIL 1000), Film Appreciation (ENGL 2470) or Literature* .....	3
Public Speaking (COMM 1010) .....	3	International Relations (POLS 2310) .....	3
Elective .....	3	Chemistry, Physics or Geology .....	4
	<b>17</b>		<b>17</b>

\*Literature course options: ENGL 2210, 2220, 2250, 2260, 2310, 2320, 2370

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

#### FRESHMAN YEAR

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Foreign Language .....	4	Foreign Language .....	4
Amer. & Wyo. Gov't. (POLS 1000) .....	3	Statistics for Social Science (STAT 2070) .....	4
Problem Solving or Pre-Calculus Algebra .....	3-4	U.S. History II (HIST 1220) .....	3
U.S. History I (HIST 1210) .....	3	Health & Human Activity .....	1
	<b>16-17</b>		<b>15</b>

#### SOPHOMORE YEAR

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
General Biology I (BIOL 1010) .....	4	Intro. to Philosophy (PHIL 1000), Intro. to Women's Studies (SOC 1080), Film	
Modern Mexico (POLS 2320) .....	3	Appreciation (ENGL 2470) or Literature* .....	3
Public Speaking (COMM 1010) .....	3	International Relations (POLS 2310) .....	3
American Pol. Parties & Elections (POLS 2050) ....	3	Chemistry, Physics, or Geology .....	4
History, Sociology, Anthro., Psych or		History, Sociology, Anthro., Psych., OR	
Economics Elective .....	3	Economics elective .....	3
	<b>16</b>	Health & Human Activity .....	1
		Elective .....	3
			<b>17</b>

\*Literature course options: ENGL 2210, 2220, 2250, 2260, 2310, 2320, 2370.

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

#### FRESHMAN YEAR

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Foreign Language .....	4	Foreign Language .....	4
Amer. & Wyo. Gov't. (POLS 1000) .....	3	Statistics for Social Science (STAT 2070) .....	4
Problem Solving or Pre-Calculus Algebra .....	3-4	U.S. History II (HIST 1220) .....	3
U.S. History I (HIST 1210) .....	3	Health & Human Activity .....	1
	<b>16-17</b>		<b>15</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Macroeconomics (ECON 1010) .....	3	Microeconomics (ECON 1020) .....	3
Accounting I (ACCT 2010) .....	3	Intro. to Phil. (PHIL 1000) or Literature* .....	3
General Biology I (BIOL 1010) .....	4	International Relations (POLS 2310) .....	3
Cult. Anth., (ANTH 1200), Chinese Civil. (HIST 2040), or Non-western Political Cultures (POLS 1200) ....	3	Chemistry, Physics or Geology .....	4
Public Speaking (COMM 1010) .....	3	Sociology OR Pol. Science Elective .....	3
Health & Human Activity .....	1		<b>16</b>
	<b>17</b>		

\*Literature course options: ENGL 2210, 2220, 2250, 2260, 2310, 2320, 2370.

**Suggested Program for A.A. Degree with Emphasis in Psychology****FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Semester</b>	<b>Credit</b>
General Psychology (PSYC 1000) .....	4	Psychology Elective .....	3
College Level Math (MATH 1000 or 1400) .....	3	English (ENGL 1020 OR 2010) .....	3
English I (ENGL 1010) .....	3	Philosophy (PHIL 1000) OR Women's Studies (SOC 1080) .....	3
Public Speaking (COMM 1010) .....	3	Non-Western Cultures (ANTH 1200, ANTH 2210 or HIST 2040) .....	3
Amer. & Wyo. Gov't. (POLS 1000) .....	3	Biology (1000 OR 1010) .....	4
Health & Human Activity .....	1	Health & Human Activity .....	1
	<b>17</b>		<b>17</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Semester</b>	<b>Credit</b>
Developmental Psychology (PSYC 2300) .....	3	Research Methods (PSYC 2000) .....	4
Statistics for Social Sci (STAT 2070) .....	4	Foreign Language .....	4
Psychobiology (PSYC 2080) OR Drugs & Behavior (PSYC 2210) .....	3-4	Chemistry (CHEM 1000) .....	4
Foreign Language .....	4	Psychology Elective .....	3
	<b>14-15</b>	Academic Portfolio (HMDV 2410) .....	1
			<b>16</b>

**RECOMMENDED ELECTIVES:**

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

These suggested courses should meet all University of Wyoming studies, A&S and Psychology Department requirements. These courses should also meet requirements at other transfer institutions for the first two years of a bachelor's degree in Psychology. *Please note that some psychology classes are offered only in the Fall or Spring or alternating years.* Some psychology courses are designed to serve other majors and may be upper division courses at universities. In all cases, check with your academic advisor.

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

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	English II (ENGL 1020, 2010) .....	3
Foreign Language .....	4	Foreign Language .....	4
Sociological Principles (SOC 1000) .....	3	Social Science Elective .....	3
General Psych. (PSYC 1000) .....	4	Amer. & Wyo. Gov't. (POLS 1000) .....	3
Public Speaking (COMM 1010) .....	3	Health & Human Activity .....	1
	<b>17</b>	Intro to Phil. (PHIL 1000), Women in Lit. (ENGL 2250) OR Intro. to Women's Studies (SOC 1080) .....	3
			<b>17</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Problem Solving or Pre-Calculus .....	3-4	Statistics for Social Science (STAT 2070) .....	4
U.S. History (HIST 1210) or Elective .....	3	U.S. History (HIST 1220) or Elective .....	3
Gen. Biology (BIOL 1010) .....	4	Health & Human Activity .....	1
Cult. Anthro (ANTH 1200) or Chinese Civ (HIST 2040) .....	3	Gen. Chemistry, Physics or Geology .....	4
Electives .....	3	Electives .....	3
	<b>16-17</b>		<b>15</b>

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

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Gen. Biology I (BIOL 1010) .....	4	Gen. Psych (PSYC 1000) .....	4
Sociological Principles (SOC 1000) .....	3	Gen. Biology II (BIOL 2020) .....	4
Intro. to Social Work (SOC 1200) .....	4	Social Problems (SOC 1100) .....	3
Health & Human Activity .....	1	Health & Human Activity .....	1
	<b>15</b>		<b>15</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Problem Solving or Pre-Calculus Algebra .....	3-4	Statistics for Social Science (STAT 2070) .....	4
Macroeconomics (ECON 1010) .....	3	Film Appreciation (ENGL 2470), Intro. to Philosophy (PHIL 1000) or Literature* .....	3
Cultural Anthropology (ANTH 1200) .....	3	Chemistry, Physics or Geology .....	4
Public Speaking (COMM 1010) .....	3	Amer. & Wyo. Gov't. (POLS 1000) .....	3
Intro. to Phil. (PHIL 1000) or Literature* .....	3	Race & Ethnic Relations (SOC 2350) .....	3
Elective .....	2		
	<b>17-18</b>		<b>17</b>

\*Literature course options: ENGL 2210, 2220, 2250, 2260, 2310, 2320, 2370

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

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
English I (ENGL 1010) .....	3	English II (ENGL 1020) .....	3
Foreign Language .....	4	Foreign Language .....	4
Sociological Principles (SOC 1000) .....	3	Psych Research Prin (PSYC 2000) .....	4
Gen Psych(PSYC 1000) .....	4	Social Problems (SOC 1100) .....	3
Public Speaking (COMM 1010) .....	3	Health & Human Activity .....	1
	<b>17</b>		<b>15</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
General Biology I (BIOL 1010) .....	4	Statistics for Social Science (STAT 2070) .....	4
Problem Solving or Pre-Calculus Algebra .....	3-4	Intro. to Women's Studies (SOC 1080) .....	3
Intro. to Cultural Anthro. (ANTH 1200) .....	3	Chemistry .....	4
Amer. & Wyo. Gov't. (POLS 1000) .....	3	Race & Ethnic Relations (SOC 2350) .....	3
Soc. Psychology I, Intro. to Social Work, or Sociology Elective .....	3-4	Health & Human Activity .....	1
	<b>16-18</b>	Elective .....	1-3
			<b>16-19</b>

# 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 Vocational-Technical 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, Diesel Maintenance, Electronics, Industrial Electricity, Industrial Instrumentation, Mining and Industrial Maintenance, 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.

## 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 class 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 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 (AUTO 1765) .....	3	English I (ENGL 1010) .....	3
Principles of Technology I (PHYS 1080) .....	4	First Aid & CPR (HLED 1225) .....	2
Brakes (AUTO 1740) .....	3	Fuel Systems (AUTO 1805) .....	3
Adv Brakes & Sus & Steering (AUTO 2540) .....	3	Scan Tool/Wave Anal (AUTO 1780) .....	3
Auto Alignment & Steering (AUTO 2550) .....	3	Air Conditioning (AUTO 1760) .....	3
Automotive Electronics (AUTO 1770) .....	3	Computer Info Sys (COS 1200) .....	3
	<b>19</b>		<b>17</b>

#### SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Auto Transmissions (AUTO 1730) .....	6	Amer. & Wyo. Gov't (POLS 1000) .....	3
Intro to Supervision (MGT 1000) .....	3	Industrial Safety (TECH 1600) .....	3
Manual Power Train (AUTO 1690) .....	3	Engine Rebuilding (AUTO 1660) .....	9
Welding (WELD 1755) .....	3	Interpersonal Comm (COMM 1030) .....	3
Technical Writing (ENGL 2010) .....	3		<b>18</b>
	<b>18</b>		

### One-Year Certificate in Automotive Technology

Auto Electrical (AUTO 1765) .....	3	* Required courses
*Manual Power Trains (AUTO 1690) .....	3	
*Automatic Transmissions (AUTO 1730) .....	6	
*Brake Systems (AUTO 1740) .....	3	
*Adv. Brakes, Sus & Steering (AUTO 2540) .....	3	
*Automotive Electronics (AUTO 1770) .....	3	
*Heating and Air Conditioning (AUTO 1760) .....	3	

Students must complete all of the required courses plus 8 hours from the following:

Industrial Safety (TECH 1600) .....	3
Scan Tool / Waveform Analysis (AUTO 1780) .....	3
Diesel Fundamentals (DESL 1595) .....	3
Engine Fundamentals (AUTO 1700) .....	3
Fuel Systems (AUTO 1805) .....	3
Principles of Technology I (PHYS 1080) .....	4
Engine Rebuilding (AUTO 1660) .....	9
Auto Alignment and Suspension (AUTO 2550) .....	3

### 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 1080 or MATH 1000	
or Higher .....	3 or 4
Oxyacetylene Welding (WELD 1710 and WELD 1715)	
or Shielded Metal Arc Welding (WELD 1755) ..	3

## Certificate Program in Diesel and Heavy Equipment Maintenance and Repair

Automotive Electrical (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

## Electronics/Instrumentation/Control Technology

### One-Year Certificate

Western currently offers two certificates through the electronics/instrumentation-control departments: a certificate in Industrial Electronics and a certificate in Instrumentation and Control. Both of these certificates require a rigid completion of 30 semester credit hours each in a specific program. Most of the students who are interested in these certificates already have jobs in local industry and are seeking to upgrade skills to obtain a job in a different field, such as currently working as an operator and wishing to become an electrician or technician.

While most industrial plants use a lot of the same types of equipment, the processes at each of these sites are quite different. Therefore, classes relevant for one company may not be as relevant for another company, or the type of upgrade for one student may not fit for another. Western strives to be as flexible as possible in terms of offering certificates that fit the widest range of student needs.

This certificate requires a core of 12 semester hours with the balance of the coursework to be selected by the student and his/her advisor.

**CORE Courses:** DC Electricity (ELTR 1520)  
Basic Instrumentation (ELTR 1840)  
Industrial Controls (ELTR 2840)

### Remaining 18 credit hours to be selected from the following:

AC Electricity (ELTR 1530) .....	4
Solid State Electronics (ELTR 1700) .....	4
Advanced Instrumentation (ELTR 2885) .....	4
Digital Electronics (ELTR 1760) .....	4
Industrial Safety (TECH 1600) .....	3
Industrial Hydraulics (INDM 1570) .....	3
Prog. Logic Controllers (ELTR 2880) .....	4
Advanced Prog. Logic Controllers (ELTR 2855) .....	4
Analog Circuits (ELTR 1705) .....	4
Process Controls (ELTR 2890) .....	4
Industrial Pneumatics (INDM 1590) .....	3
Any Programmable Logic Controllers: (ELTR 1030) ....	1-3
Any Process Control Techniques: (ELTR 1035) .....	1-3



## 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

24

## Program for A.A.S. Degree in Electronics Technology

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
DC Electricity (ELTR 1520) .....	4	AC Electricity (ELTR 1530) .....	4
Elect Assembly (ELTR 1505) .....	2	Solid State Electronics (ELTR 1700) .....	4
Industrial Safety (TECH 1600) .....	3	Technical Writing (ENGL 2020) .....	3
English I (ENGL 1010) .....	3	Principles of Tech. II (PHYS 1085) .....	4
Principles of Tech I (PHYS 1080) .....	4	Basic Instrumentation (ELTR 1840) .....	4
	<b>16</b>		<b>19</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Industrial Controls (ELTR 2840) .....	4	Electronic Communications (ELTR 2600) .....	4
Digital Electronics (ELTR 1760) .....	4	Program Controllers (ELTR 2880) .....	3
Analog Circuits (ELTR 1705) .....	4	Intro. to Supervision (MGT 1000) .....	3
T & I Elective .....	3	T & I Elective .....	3
Human Relations (MGT 1200) .....	2	Amer. & Wyo. Gov't. (POLS 1000) .....	3
Health & Human Activity .....	1	Interpersonal Comm. (COMM 1030) .....	3
	<b>18</b>	Health & Human Activity .....	1
			<b>20</b>

## Program for A.A.S. Degree in Instrumentation Technology

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
DC Electricity (ELTR 1520) .....	4	Industrial Control (ELTR 2840) .....	4
Basic Instrumentation (ELTR 1840) .....	4	Technical Writing (ENGL 2020) .....	3
Industrial Safety (TECH 1600) .....	3	AC Electricity (ELTR 1530) .....	4
English I (ENGL 1010) .....	3	Advanced Instrumentation (ELTR 2885) .....	4
Problem Solving (MATH 1000) .....	3	Elect. Assembly (ELTR 1505) .....	2
	<b>17</b>		<b>17</b>

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Process Controls (ELTR 2890) .....	4	Adv. Prog. Logic Controllers (ELTR 2855) .....	4
Programmable Logic Controllers (ELTR 2880) .....	4	Amer. & Wyo. Gov't. (POLS 1000) .....	3
Humanities, App. Arts, Business OR		Humanities, App. Arts, Business OR	
Social Science .....	3	Social Science .....	3
Principles of Technology (PHYS 1080) .....	4	Interpersonal Comm. (COMM 1030) .....	3
Health & Human Activity .....	1	Health & Human Activity .....	1
	<b>16</b>		<b>14</b>

## 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 program offers two certificates, option one and two. The emphasis in option one is mechanics, hydraulics, pneumatics and welding. The emphasis in option two is in mechanics and welding. The program offers additional certificates in surface maintenance mechanics, underground mechanics and a certificate for apprentice power plant mechanics. After completing the required credits listed, the student may apply and receive a certificate. After completing the required credits and all degree requirements the student may apply and 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 Pneumatics (INDM 1590) .....	3
Welding I - XII (WELD 1710-2660) .....	9
Industrial Safety (TECH 1600) .....	3
	<b>39</b>

### 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
Blueprint Reading (TECH 1680) .....	3
Welding I-XII (WELD 1710-2660) .....	18
	<b>39</b>

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

#### FRESHMAN YEAR

Fall Semester	Credits	Spring Semester	Credits
*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
Principles of Tech I (PHYS 1080) .....	4	Machine Tool Proc I (MCH 2740) .....	4
Health & Human Activity .....	1	English I (ENGL 1010) .....	3
	<b>17</b>	Health & Human Activity .....	1
			<b>17</b>

#### SOPHOMORE YEAR

Fall Semester	Credits	Spring Semester	Credits
*Ind Hydraulics I -II (INDM 1570-1580) .....	6	Welding I-III (WELD 1710, 1750, 1760) .....	9
*Ind Pneumatics (INDM 1590) .....	3	Industrial Safety (TECH 1600) .....	3
Technical Writing (ENGL 2010) .....	3	Amer. & Wyo. Gov't (POLS 1000) .....	3
Interpersonal Comm (COMM 1030) .....	3	Social Science, Applied Arts .....	3
	<b>15</b>		<b>18</b>

\*Required for graduation.

To complete the requirements for the AAS degree in Industrial Maintenance, students must complete 27 hours or more in the Industrial Maintenance (INDM) program. Included in these hours are the \*courses above.

### Program for One-Year Certificate in Power Plant Maintenance Mechanics

This one year 38 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 I - XII (WELD 1710 2660) .....	12
Mach Tool Processes I (MCH 2710) .....	4
Mach Tool Process II (MCH 2750) .....	4

**38**

### 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 Mechanics II (INDM 1520) .....	3
Industrial Mechanics II (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
Welding (WELD 1710-2660) .....	12
Blueprint Reading (TECH 1680) .....	3

**42**

### Program for One-Year Certificate in Underground Maintenance Mechanics

This one-year 41-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 Mechanics II (INDM 1520) .....	3
Industrial Mechanics II (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
DC Electricity (ELTR 1520) .....	4
AC Electricity (ELTR 1530) .....	4
Welding (WELD 1710-2660) .....	6

**41**

## 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	Credits	Spring Semester	Credits
Ind Mechanics I-III (INDM 1510-1530) .....	9	Preventive Maintenance (INDM 1560) .....	3
English I (ENGL 1010) .....	3	*Machine Tool Proc I (MCH 2740) .....	4
Principles of Technology I (PHYS 1080) .....	4	Interpersonal Comm (COMM 1030) .....	3
Health & Human Activity .....	1	Human Relations (MGT 1200) .....	2
	<b>17</b>	Technical Writing (ENGL 2010) .....	3
		Industrial Safety (TECH 1600) .....	3
			<b>18</b>

#### SUMMER SESSION

Amer. & Wyo. Gov't. (POLS 1000) .....	3
Oxyacetylene Welding (WELD 1710) .....	2
	<b>5</b>

#### SOPHOMORE YEAR

Fall Semester	Credits	Spring Semester	Credits
*Welding II-III (WELD 1755, 1760) .....	6	*Diesel Fundamentals (DESL 1595) .....	3
*Ind Hydraulics (INDM 1570, 1580, 1585) .....	9	Metallurgy (TECH 1550) .....	3
Soc Sci, Applied Arts, or Approved Bus .....	3	Health & Human Activity .....	1
	<b>18</b>	Ind Pneumatics (INDM 1590) .....	3
		*Blueprint Reading (TECH 1680) .....	3
		*Intro to Mining (MINE 1500) .....	3
			<b>19</b>

\*To complete the requirements for the AAS degree in Mining Maintenance Technology, students must complete 28 hours or more in Diesel, Machine Tool Processing, Welding, Mining, and Industrial Maintenance. Included in these hours are the \* courses above.

### Program for One-Year Certificate in Mining Maintenance Technology

Ind. Mechanics I-VI (INDM 1510-1560) .....	9
Blueprint Reading (TECH 1680) .....	3
*Intro. to Mining (MINE 1500) .....	3
*Machine Tool Proc. I (MCH 2740) .....	4
*Ind. Hydraulics I-III (INDM 1570-1585) .....	9
Diesel Fundamentals (DESL 1595) .....	3
Indus. Safety (TECH 1600) .....	3
	<b>34</b>

\* Required

## Purpose and goals of Industrial Maintenance and Mining Technology

- Provide a complete training center for those individuals interested in industrial maintenance / mine maintenance as a career.
- Provide training on campus and on-site for those individuals who are presently employed in the industry and need up-graded skills training.
- Provide the local industry with advanced training and assessment for hiring and up-grading their employees.
- Provide flexible scheduling of courses for easy access to non-traditional and shift workers.

## Plant Operators

An operator in industry is an individual who operates the mechanical device used in a particular process. His/her responsibility is to monitor, troubleshoot, adjust and make slight repairs of the equipment used in a process. Operators in Southwest Wyoming are used in the soda ash, fertilizer, electrical power plants, and gas plants.

### Program for One-Year Certificate in Plant Operations

Plant Operator I (PLOP 1510) .....	3
Plant Operator II (PLOP 1520) .....	3
Plant Operator III (PLOP 1530) .....	3
Basic Electricity (ELTR 1520) .....	4
Instrumentation (ELTR 1840) .....	3
Industrial Safety (TECH 1600) .....	3
Industrial Pneumatics (INDM 1590) .....	3
Industrial Hydraulics (INDM 1570) .....	3
Blueprint Reading (TECH 1680) .....	3
Principles of Technology I (PHYS 1080) .....	4
	<b>32</b>

### Program for A.A.S. Degree in Plant Operations

#### FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English I (ENGL 1010) .....	3	Technical Writing (ENGL 2010) .....	3
Principles of Technology I (PHYS 1080) .....	4	Health & Human Activity .....	1
*Plant Operation I-III (PLOP 1510-30) .....	9	*DC Electricity (ELTR 1520) .....	4
Industrial Safety (TECH 1600) .....	3	*Indus. Hydraulics (INDM 1570) .....	3
	<b>19</b>	*Indus. Pneumatics (INDM 1590) .....	3
		*Blueprint Reading (TECH 1680) .....	3
			<b>17</b>

#### SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Amer. & Wyo. Gov't. (POLS 1000) .....	3	Computer Infor. Systems (COSC 1200) .....	3
Humanities/App. Arts/Soc. Science .....	3	Health & Human Activity .....	1
Preventive Maintenance (INDM 1560) .....	3	*Basic Instrumentation (ELTR 1840) .....	3
T&I Electives .....	6	Electives .....	9
	<b>15</b>		<b>16</b>

\*Required courses to receive A.A.S. in Plant Operations.

## Welding Technology

The Welding Technology program has been prepared for all students of welding and for all those who want a better understanding of what happens to a weld during the welding operation and after the weld has been made. All of the industrially important welding processes and their applications, as well as safety, are covered.

In the four semesters of welding that are available, the student has the option of working toward a welding certificate or a two-year A.A.S. Degree. When the student has completed the welding courses offered, they should have a wide variety of jobs to choose from including plant maintenance welder, pipeline welder, oilfield service welder and certified construction welder.

A certificate may be awarded after completion of 33 semester hours of courses in the welding/technology area.

Program for One-Year Certificate in Welding Technology

Welding I - XII (WELD 1710-2660) .....	24
Metallurgy (TECH 1550) .....	3
Blueprint Reading (TECH 1680) .....	3
Industrial Safety (TECH 1600) .....	3
	<b>33</b>

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

**FRESHMAN YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
Oxyacetylene Cutting (WELD 1715) .....	1	Groove Welding Plate (WELD 1840) .....	3
Basic SMAW (WELD 1755) .....	3	Pipe Welding I (WELD 2510) .....	3
Advanced SMAW (WELD 1760) .....	3	Pipe Welding II (WELD 2520) .....	3
SMAW Stainless Steel (WELD 1950) .....	2	English I (ENGL 1010) .....	3
*Blueprint Reading (TECH 1680) .....	3	*Metallurgy (TECH 1550) .....	3
Principles of Technology (PHYS 1080) .....	4	Word Processing (CMAP 1705) .....	3
Industrial Mech I (INDM 1510) .....	3		<b>18</b>
	<b>19</b>		

**SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>	<b>Spring Semester</b>	<b>Credit</b>
*Weld Inspection (WELD 2670) .....	4	Gas Tungsten Arc Plate (WELD 1780) .....	3
Downhill Pipe Welding (WELD 2530) .....	3	Gas Tungsten Arc Pipe (WELD 2650) .....	3
Gas Metal Arc Welding (WELD 1770) .....	3	Stainless Steel Pipe (WELD 2660) .....	3
Intro. to Supervision (MGT 1000) .....	3	*Industrial Safety (TECH 1600) .....	3
Human Resource Mgt. (MGT 1200) .....	2	Health & Human Activity .....	1
Technical Writing (ENGL 2020) .....	3	Amer. & Wyo. Gov't (POLS 1000) .....	3
Health & Human Activity .....	1	Interpersonal Comm. (COMM 1030) .....	3
	<b>19</b>		<b>19</b>

\* Required courses to receive A.A.S. in Welding Technology.





## INDIVIDUAL COURSE DESCRIPTIONS

Department	Page	Department	Page
Accounting .....	141	Health Education .....	200
Anthropology .....	142	Health Science General .....	200
Art .....	144	History .....	202
Astronomy .....	149	Human Development .....	205
Automotive Technology .....	150	Humanities .....	209
Basic Skills .....	153	Industrial Maintenance .....	210
Biological Sciences .....	155	Legal Assistant .....	213
Business Administration .....	158	Library Science .....	214
Business Office Technology .....	159	Machine Tool Technology .....	214
Career Development .....	160	Management .....	215
Chemistry .....	161	Marketing .....	216
Communication .....	163	Mathematics .....	217
Computer Applications .....	166	Medical Office Assistant .....	220
Computer Science .....	169	Mining Technology .....	220
Criminal Justice .....	170	Music .....	221
Developmental Studies .....	172	Nursing .....	226
Basic Skills .....	172	Occupational Therapy .....	227
Developmental Studies .....	174	Philosophy .....	228
Human Development .....	176	Physical Activity/Athletics .....	228
Diesel Technology .....	179	Physical Education, Professional & Exercise Science .....	238
Economics .....	181	Physics .....	240
Education .....	181	Plant Operator .....	241
Education/Recertification .....	185	Political Science .....	241
Electrical Apprenticeship .....	186	Psychology .....	243
Electronics/Instrumentation Technology .....	188	Sociology .....	246
Engineering .....	192	Spanish .....	248
English .....	193	Statistics .....	249
Finance .....	196	Technology .....	249
Foreign Language .....	197	Theatre and Dance .....	251
Geography & Recreation .....	198	Welding Technology .....	251
Geology .....	199		

## 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 & Management
BOTK	Business Office Technology
BUSN	Business
CMAP	Computer Applications
COSC	Computer Science
ECON	Economics
FIN	Finance
LEGL	Legal Secretary
MGT	Management & Supervision
MKT	Marketing
MOA	Medical Office Assistant

### Career Development

CRDV	Career Development
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### Developmental Studies

BAS, DVST	Basic Skills
DVST, BAS	English for Speakers of Other Languages
HMDV	Student Success

### Fine Arts

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

### Health Science

HLTK	Allied Health Technology
HLED	Health Education
HOEC	Home Economics/Nutrition
NRST	Nursing
OCTH	Occupational Therapy
PEAC	Physical Activity
PEAT	Varsity Athletics
PEPR	Physical Education, Professional

### Humanities

COMM	Communications
EDCI	Education
EDEX	Education, Exceptional Child
EDFD	Education, Fundamentals
EDUC	Education, Recertification
ENGL	English
FREN	French
GERM	German
HUMN	Humanities
COMM	Communication & Journalism
LIBS	Library Science
PHIL	Philosophy
SPAN	Spanish

### Science & Mathematics

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

### Social Science & Services

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

### Technology & Industry

AUTO	Auto Technology
DESL	Diesel Technology
ELAP	Electrical Apprenticeship
ELTR	Electricity/Electronic/ Instrumentation Technology
INDM	Industrial Maintenance (Gen.)
MCH	Machine Technology
MINE	Mining Technology
PLOP	Plant Operators
TECH	Technology
WELD	Welding Technology

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). The number of semester hour credits given for each course appears at the end of the course description.



## INSTRUCTIONAL METHODS USED IN COURSES

The courses at Western use a variety of instructional methods that are listed below. More than one method may be used in a course. Each of the Course Description indicates which of these types 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.)

### **“Hands On” or “Learn by Doing” Learning**

**LABORATORY or STUDIO:** A course in which the primary method of instruction is application-oriented “learning by doing.” The discussion/group interaction format may also be utilized. (Minimum 1500 minutes per credit hour.)

**OPEN 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 open-entry/open-exit such that students may start or enter the course at various times and exit when they have completed the competencies. Competency based.

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

**INTERNSHIP or CO-OP:** 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 Office of Enrollment Services 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 is conducted electronically. Class assessment is based on course outcomes. The course may be open-entry/open-exit or may follow a prescribed semester schedule for assignments, papers, and exams. Competency based.

**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 in our Outreach area. Classes meet on a regular schedule and are conducted similar to a traditional classroom setting. Note: Students in compressed video classes may be videotaped.

**VIDEOTAPED:** A videotaped course is a complete and integrated instructional system that includes, in addition to the videotapes, a textbook and a variety of other instructional material. These courses also have an internet component to facilitate interaction between students and instructor using e-mail, group discussions, or chat.

### **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:** 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 count 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 (42-101)**

##### **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: None

Lecture

#### **ACCT 2020 (42-102)**

##### **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, corporations, managerial topics, cost accounting concepts and budgeting.

Prerequisite: ACCT 2010

Lecture

#### **ACCT 2110 (42-150)**

##### **AUTOMATED ACCOUNTING**

**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.

Prerequisite: ACCT 2010

Lecture/Laboratory

#### **ACCT 2410**

##### **INTERMEDIATE ACCOUNTING I**

**Credit 3**

The accounting principles and methods discussed in ACCT 2010 and 2020 are examined in much greater depth. The course will study and discuss the conceptual framework for generally accepted accounting principles, the accounting cycle, net income concepts, financial statement preparation and limitations, present value of money applications, current assets including detailed study of inventories, plant assets including depreciation, depletion, and intangible assets.

Prerequisite: ACCT 2020

Lecture

#### **ACCT 2420**

##### **INTERMEDIATE ACCOUNTING II**

**Credit 3**

This course consists of an in-depth study of more complex accounting principles and procedures. Topics include the principles and theory of accounting related to liabilities and contingencies, stockholders' equity, dilutive securities and earnings per share, income taxes, pensions, leases, analysis of accounting changes and errors, and financial statement analysis.

Prerequisite: ACCT 2410

Lecture

**ACCT 2430****INDIVIDUAL INCOMETAX****Credit 3**

This course consists of lectures, presentation, and classroom discussions related to text and problem assignments. Emphasis will be on the basic principles of federal income taxation of individuals.

Prerequisite: ACCT 2020 or Instructor Permission

Lecture/Discussion

**ACCT 2440****ADVANCED INCOMETAX****Credit 3**

This course consists of lectures, presentations, and classroom discussions related to text and problem assignments. Emphasis will be on the basic principles of federal taxation of corporations, partnerships, trusts, estates, shareholders, partners, and beneficiaries.

Prerequisite: ACCT 2430

Lecture/Discussion

**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

Lecture

**ACCT 2610****MANAGERIAL ACCOUNTING****Credit 3**

An introductory course concerned with the use of accounting information by non-accountants for planning, product costing, performance assessment and non-routine decision-making.

Prerequisites: ACCT 2020

Lecture/Discussion

**ANTHROPOLOGY****ANTH 1100 (29-101)****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.

Prerequisites: None

Lecture/Discussion

**ANTH 1200 (29-102)****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.

Prerequisites: None

Lecture/Discussion

**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.

Prerequisites: None

Lecture

**ANTH 1300 (29-103)****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.

Prerequisites: None

Lecture/Discussion/Field Trips (when possible or appropriate)

**ANTH 2200 (29-220)****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.

Prerequisites: None

Lecture/Discussion

**ANTH 2210 (29-210)****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.

Prerequisites: None

Lecture/Discussion

**ANTH 2300 (29-200)****ARCHAEOLOGICAL METHODS****Credit 2**

Three major aspects of archaeology emphasized are field assessment of sites, test pits, and excavation methods; laboratory techniques, identifications and analysis; and the writing and assembling of a report. Contribution and integration with Wyoming archaeology is stressed.

Prerequisites: None

Lecture/Laboratory

**ANTH 2311 (29-230)****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.

Prerequisites: None

Field Study

**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).

Prerequisites: None

Field Study

**ANTH 2800****ANTHROPOLOGY ACADEMIC 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.

Lecture

**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

Lecture-discussion

**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.**

Studio/Lecture

**ART 1050 (11-103)****DRAWING I****Credit 3**

A course designed to teach an understanding of basic drawing techniques and mediums utilizing direct visual experience.

Prerequisite: None

Studio/Lecture/Lab

**ART 1060 (11-104)****DRAWING II****Credit 3**

A continuation of ART 1050 Drawing I. The student is offered the opportunity to advance his/her skill in the technical application of various drawing media. Freedom of exploration is permitted and experimentation of techniques is encouraged.

Prerequisites: ART 1050 & 2210

Studio/Lecture/Lab

**ART 1110 (11-107)****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

Studio/Lecture/Lab

**ART 1120 (11-109)****DESIGN: 3D****Credit 3**

A course designed for experimentation in three dimensional expression.

Prerequisites: None

Studio/Lecture/Lab

**ART 1130 (11-108)****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."

Prerequisites: ART 1110

Studio/Lecture/Lab

**ART 1150 (11-150)****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.

Prerequisites: None

Lecture/Lab

**ART 1160 (11-151)****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

Lecture/Lab

**ART 1174 (11-153)****PORTRAIT PHOTOGRAPHY****Credit 3**

Course study includes instruction in candid, creative, and classical portraiture as well as fashion photography. Advanced studio lighting is covered in both tungsten and electronic flash. Technique, composition, and character representation are stressed. Some color work.

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

Lecture/Lab

**ART 1176 (11-155)****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)

Lecture/Lab

**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 via the Apple Macintosh Power PC computer, utilizing Adobe's Photoshop 3.0 software, as well as digital storage and transmission.

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

Lecture/Lab

**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

Studio/Lecture/Lab

**ART 1310 (11-110)****SCULPTURE I****Credit 3**

A course designed for experimentation in three dimensional expression.

Prerequisites: None

Studio/Lecture/Lab



**ART 2010, 2020 (11-101-102)****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.

Prerequisite: ENGL 1010 or Instructor Permission

Lecture-Seminar

**ART 2050 (11-202)****LIFE DRAWING I****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.

Prerequisites: ART 1060

Studio/Lecture/Lab

**ART 2090 (11-205)****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 1050 or Instructor Permission

Studio/Lecture/Lab

**ART 2095****PRINTMAKING II: INTAGLIO****Credit 3**

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

Prerequisites: ART 1250 & ART 2090

Studio/Lecture/Lab

**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. "Aldus 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.

Lecture/Lab

**ART 2150 (11-154)****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)

Lecture/Lab

**ART 2175 (11-211)****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)

Studio

**ART 2210 (11-105)****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

Studio/Lecture/Lab

**ART 2220 (11-106)****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.

Prerequisites: ART 2210

Studio/Lecture/Lab

**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

Studio/Lecture/Lab

***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 (11-130)****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.

Prerequisites: None

Studio/Laboratory

**ART 2420 (11-131)****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.

Prerequisites: ART 2410

Studio/Laboratory

**ART 2430 (11-132)****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)

Studio/Laboratory

**ART 2440 (11-133)****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)

Studio/Laboratory

**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)

Studio/Laboratory

**ART 2479-2488(11-251)****SPECIAL PROJECTS IN ART****Credit Variable**

A continuing study of drawing and painting with the emphasis on further development of style and technique. A study of the drawings of the masters and studio work to develop the potential of the student.

Prerequisites: ART 2210, 2220

Studio/Lecture/Lab/Workshop

**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.

Prerequisites: Must have completed 45 credit hours toward an AFA degree

Lecture/Discussion

## ASTRONOMY

**ASTR 1000****DESCRIPTIVE ASTRONOMY****Credit 3**

A scientific overview of stars, planets, galaxies and other inhabitants of the universe and the forces that determine their behavior. The history of discovery and the methods used to study distant objects are included.

Prerequisites: None

Lecture

# AUTOMOTIVE TECHNOLOGY

**AUTO 1501****HEATING AND AIR CONDITIONING TRAINING****Credit 1**

This course is designed to introduce the student to the principles of refrigeration, automotive or mobile air conditioning and heating systems, and experiences in troubleshooting and repair of these systems.

Prerequisites: None

Lecture

**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.

Prerequisites: None

Lecture

**AUTO 1660****ENGINE REBUILDING****Credit 9**

This course is designed to reinforce all operating principles introduced in Engine Fundamentals, AUTO 1700, as well as the procedures for successfully rebuilding automotive engines. The course will cover diagnosis, disassembly and inspection, precision measurement techniques, proper assembly procedures, installation, start-up and break-in techniques. Students will also be exposed to performance modifications as well as the use of "high tech" testing equipment such as air flow benches and dynamometers.

Prerequisites: AUTO 1700 or instructor permission

Lecture/Laboratory

**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

Lecture/Laboratory

**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.

Prerequisites: None

Lecture/Laboratory

**AUTO 1730 (51-107)****AUTOMATIC TRANSMISSION****Credit 6**

This course is designed to introduce students to all phases of automotive transmission and fluid drive rebuilding to prepare them with the necessary skills for entry into the automotive field. The student is given an opportunity to work on different types of transmissions and the course curriculum is developed around this concept.

Prerequisites: None

Lecture/Laboratory

**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.

Prerequisites: None

Lecture/Laboratory

**AUTO 1760 (51-112)****HEATING & AIR CONDITIONING****Credit 3**

This course is designed to introduce the student to the principles of refrigeration and automotive air conditioning and heating systems, troubleshooting, repair and installation of automotive air conditioners.

Prerequisites: None

Lecture/Laboratory

**AUTO 1765 (51-103)****AUTOMOTIVE ELECTRICAL SYSTEMS****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.

Prerequisites: None

Lecture/Laboratory

**AUTO 1770 (51-203)****AUTOMOTIVE ELECTRONICS****Credit 3**

This course is designed to study and service the electronic systems used in today's automobiles. The course will cover the principles of the electronic components and operation of systems used in the automotive industry.

Prerequisites: AUTO 1765 or Instructor Permission

Lecture/Laboratory

**AUTO 1780****SCANTOOL USE/WAVEFORM ANALYSIS****Credit 3**

This course will introduce students to a variety of different types of scan tools, several different oscilloscopes, the five gas analyzer (HC, CO, Co2, O2, NOx). OBD II will be covered. Old and newer type scan tools will be used and/or students' scan tools. Wave patterns will be analyzed for diagnostics on fuel injectors, spark on primary ignition, and the four areas of sensors used in automotive (battery/crystal, potentiometer, self generating, and duty cycle generating). Students are to learn causes of exhaust gases and what types of conditions cause these symptoms.

Prerequisites: AUTO 1770 or Instructors Permission

Lecture/Laboratory

**AUTO 1800****FUEL SYSTEMS II****Credit 3**

This course is designed to be a continuation of AUTO-1600, and as such it will provide the student with an in-depth study of electronic fuel control systems. The course will also cover troubleshooting and diagnosis of fuel system problems by relating them to driveability symptoms.

Prerequisites: AUTO 1600 or instructors permission

Lecture/Laboratory

**AUTO 1805 (AUTO 1600/1800)  
FUEL SYSTEMS**

**Credit 3**

This course is designed to be an in-depth study of automotive fuel systems. Including basic carburetion, mechanical and electronic fuel injection. Drivability symptoms will be studied as a diagnostic tool. The course will also cover troubleshooting and diagnosis of fuel system problems by testing and relating them to drivability symptoms.

Prerequisite: None  
Lecture/Laboratory

**AUTO 1810  
RETRIEVAL & INTERPRETATION OF ENGINE DYNAMOMETER DATA**

**Credit 3**

This course is intended to enhance the ability of the student to apply the basic scientific principles of engine performance through interpretation and analysis of Dynamometer data in comparison to baseline specification. It is recommended that people interested in taking this class have extensive experience with the rebuild procedures and operation of an internal combustion engine. There will be demonstrations of data retrieval from a dynamometer.

Prerequisites: None  
Lecture/Discussion

**AUTO 1820  
SNOWMOBILE MAINTENANCE**

**Credit 1**

This course will familiarize the student with the basics of snowmobile maintenance. The emphasis will be placed on major wear and potential problem areas that have a tendency to fail, and on training in the repair of these areas.

Prerequisites: None  
Laboratory

**AUTO 2010  
RACE CAR TECHNOLOGY**

**Credit 3**

This course will develop knowledge of and skill in enhancing the performance aspect of the automobile. The student will develop a basic understanding of the suspension setups for improved dynamic response in the acceleration, braking and cornering of an automobile along with engine and drive train maintenance, safety considerations, and other racing concerns.

Prerequisite: None  
Lecture/Laboratory

**AUTO 2540 (51-208)  
ADVANCED BRAKES, SUSPENSION & STEERING SYSTEMS**

**Credit 3**

This course will cover advanced brakes, suspension, and steering systems. In the brakes section, information covered will reinforce material studies in AUTO 1740 (Brakes Systems). Emphasis will be placed on anti-lock brake systems and related traction control systems. In the suspension and steering section the students will be introduced to the wide variety of suspension and steering systems available on modern automobiles. Emphasis will be placed on suspension and steering designs, geometry, diagnosis and repair. Both manual and power steering systems will be studied.

Prerequisites: AUTO 1740 or Instructor Permission  
Lecture/Laboratory

**AUTO 2550  
AUTOMOTIVE ALIGNMENT and SUSPENSION**

**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 control. Several types of alignment techniques will be discussed with primary focus being on the use of computer alignment equipment to achieve consistent, accurate results.

Prerequisites: AUTO 2540 or Instructor permission  
Lecture/Laboratory

## BASIC SKILLS

**BAS 0100, 0110, 0120**  
**GED PREP**

**Credit .5**

**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.

Individual Instruction

**BAS 0540**  
**TECHNICAL READING**

**Credit 1**

This course is based on the premise that appropriate reading skills will facilitate success in the workplace. Students will study the fundamentals of effective reading skills and the application of these skills. Assignments will assist the student in gaining confidence in methods of understanding various reading materials in order to be a more effective employee. Students will focus on developing and strengthening reading skills for the workplace environment. Emphasis will be placed on strategies to increase comprehension with texts, manuals, and other materials used on the job.

Individual Instruction

**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.

Individual Instruction

**BAS 0630**  
**GRAMMAR SKILLS**

**Credit 1**

This course covers parts of speech, sentence structure, grammatical correctness, punctuation and capitalization.

Corequisite: ENGL 0950

Individual Instruction

**BAS 0640**  
**SPELLING SKILLS**

**Credit 1**

Students improve their spelling skills using a phonetics or rules approach.

Individual Instruction

**BAS 0710, 0740, 0750**  
**ARITHMETIC SKILLS I, II, III**

**Credit 1**

This course is designed to serve as a “bridge” for those students who do not feel confident about their arithmetic skills and either want or need additional and/or individualized instruction in the basics of math. The purpose of 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.

Individual Instruction

**BAS 0720, 0760, 0770****ALGEBRA SKILLS I, II, III****Credit 1**

This course is designed to serve as a “bridge” for those students who do not feel confident about their algebra skills and either want or need additional and/or individualized instruction in the basics of algebra. The course helps 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.

Individual Instruction

**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.

Individual Instruction

**BAS 0910****NON-NATIVE READING****Credit 1-3**

This course is designed to facilitate textbook reading skills for non-native and international students.

**BAS 0920****NON-NATIVE WRITING****Credit 1-3**

This course is designed to assist non-native and international students with the English writing process in order to be successful in other college classes.

**BAS 0930****NON-NATIVE GRAMMAR****Credit 1-3**

This course is designed to help non-native and international students learn the mechanics of English grammar.

**BAS 0940****NON-NATIVE SPELLING****Credit 1-3**

This course employs either a rules or phonetics approach to help non-native and international students improve spelling skills.

Individual Instruction

**BAS 0950****NON-NATIVE VOCABULARY****Credit 1-3**

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.

Individual Instruction

**BAS 0960****NON-NATIVE LISTENING****Credit 1-3**

This course is designed to increase listening skills for those who do not feel confident with their English listening skills or need individualized instruction in the basics of listening.

Individual Classroom Instruction



## BIOLOGICAL SCIENCES

### **BIOL 1000**

#### **PRINCIPLES OF BIOLOGY**

**Credit 4**

This introductory course is intended primarily for the non-major. Fundamental principles of ecology, evolution, cell biology, and contemporary societal issues such as the conservation of biodiversity, overpopulation, global environmental changes, biotechnology, and human wellness and disease. Critical thinking, and problem solving abilities are emphasized. Laboratory is required. Credit may not be received for both Biology 1010 and Biology 1000.

Prerequisites: None

Lecture/Laboratory

### **BIOL 1010, 2020 (32-101-102)**

#### **GENERAL BIOLOGY**

**Credit 4 per Semester**

A survey of the basic principles of biology. Units are included in cell biology, the life and diversity of plants and animals, genetics, evolution and ecology. Laboratory is required. No credit will be allowed in this course if credit has been received in BIOL 1000 OR 2000.

Prerequisites: BIOL 1010 must precede BIOL 2020

Lecture/Discussion/Laboratory

### **BIOL 1010 & 2020 (32-101 & 102 HP)**

#### **HONORS GENERAL BIOLOGY**

**Credit 4 per Semester**

This course is a survey of the basic principles of biology. Units are included in cell biology, the life and diversity of plants and animals, genetics, evolution, and ecology.

Prerequisites: Instructors Permission

Lecture/Discussion/Laboratory

### **BIOL 1040 (32-230) – Cross reference UW ZOO 1040**

#### **ANIMAL HEALTH**

**Credit 3**

An introduction to anatomy, mechanisms of disease, production, body defense mechanism, antibacterial agents and disease prevention through management and sanitation. Animal diseases pertinent to the area will also be studied.

Prerequisites: BIOL 1020 OR 2000 or Instructor Permission

Lecture/Discussion

### **BIOL 1210**

#### **WYOMING FLORA**

**Credit 2**

This course is designed for any one 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.

Lecture/Laboratory/Field

### **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 potting scopes, and conservation biology and concerns about birds. Lab involves both identification of birds in the lab and mandatory field trips.

Lecture/Laboratory/Field

**BIOL 1390****INTRODUCTION TO 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.

Prerequisites: Instructor Permission

Lecture/Lab

**BIOL 2000 (32-120) – Cross reference UW ZOO 2000****GENERAL ZOOLOGY****Credit 4**

A study of the properties and characteristics of protoplasm, cells, tissues, organs, organ systems, organisms together with a survey of the animal kingdom including classification, morphology, physiology, distribution and life histories of representative animals within the major phyla. No credit allowed if credit has been received in BIOL 1010.

Prerequisites: None

Lecture/Discussion/Lab

**BIOL 2010, 2015 (32-201-202) – Cross reference UW ZOO 2040, 2110****HUMAN ANATOMY & PHYSIOLOGY****Credit 4 per semester**

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. A study of human structure on a systematic basis. Each functional system is considered in terms of its cell, tissue and organ types. Fundamental information in the areas of chemistry and physics as related to the structure and function of the body is also included. Required of students majoring in physical education, nursing, and medical programs.

Prerequisites: BIOL 1000 or 1010; BIOL 2010 must precede 2015

Lecture/Discussion/Laboratory

**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

Lecture/Lab

**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

Lecture/Laboratory

**BIOL 2390****INTRODUCTION TO 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

Lecture/Lab

**BIOL 2400 (32-240)****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.

Prerequisites: BIOL 1000 or 1010

Lecture/Discussion

**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.

Prerequisites: BIOL 2400 (may be enrolled concurrently) or instructor permission

Laboratory

**BOT 1000 (32-110)****GENERAL BOTANY****Credit 4**

A laboratory course that familiarizes students with the form, function, conservation, ecology and genetics of plants. No credit will be allowed in this course if credit has been received in BIOL 1010.

Prerequisites: None

Lecture/Discussion/Lab

**MOLB 2210 (32-221) (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 studied include protozoa, algae, fungi, bacteria, rickettsia and viruses.

Prerequisites: BIOL 1000, 1010 or passing prerequisite with 70%

Lecture/Laboratory

**MOLB 2220 (32-222) (BIOL 2220)****PATHOGENIC MICROBIOLOGY****Credit 4**

A study of the characteristics of the medically important micro-organisms and the mechanisms by which they cause diseases in man and animals. Organisms studied include bacteria, viruses, fungi, algae, rickettsia, and obligate intracellular parasites. Topics in hematology, serology, immunology, epidemiology, and vectors are included.

Prerequisites: MOLB 2210

Lecture/Laboratory

# BUSINESS ADMINISTRATION

## **BADM 1000 (42-100)**

### **INTRO. 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.

Prerequisites: None

Lecture/Discussion

## **BADM 2010**

### **BUSINESS LAW I**

**Credit 4**

An introductory course intended to survey the law and its application in the business setting. The course will provide a student with a basic understanding of the law; students will be introduced to the ethical philosophies primarily used in business; emphasis will be placed on issue perception and formulating legal and ethical resolution. Topics covered include sources of law, torts, criminal law and the course system. The majority of the course will be devoted to the law of contracts.

Prerequisites: None

Lecture

## **BADM 2020**

### **BUSINESS LAW II**

**Credit 3**

A study of law in its application to business activity. The student will further develop the skill of issue perception and resolution. Topics covered include agency, partnership, limited partnerships, joint-ventures, corporations and government regulations.

Prerequisite: BADM 2010

Lecture

## **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.

Prerequisites: None

Lecture/Discussion

## **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.

Prerequisites: None

Lecture/Discussion

## BUSINESS OFFICE TECHNOLOGY

### ***BOTK 1520 (OFFS 1520) (41-131)***

#### ***BUSINESS MATHEMATICS***

**Credit 3**

This course develops math skills applicable to business including percentages, interest, payroll, inventory, depreciation, and taxes.

Lecture

### ***BOTK 1555 (OFFS 1555) (41-108)***

#### ***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 or typewriter.

Prerequisite: Concurrent enrollment in BOTK 1640 or typing skills

Competency-based instruction in OIS Lab

### ***BOTK 1640 (CMP 1610) (41-101)***

#### ***KEYBOARDING APPLICATIONS I***

**Credit 3**

The beginning keyboarding course is for students who have no background in typing/keyboarding. It consists of two parts. In the first part, students gain the basic theory and develop keyboarding skills through hands-on experience. The second part develops speed and accuracy on the keyboard and introduces basic document formats.

Competency-based instruction in OIS Lab • Flexible Entry/Flexible Exit

### ***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

Competency-based instruction in OIS Lab

Flexible Entry/Flexible Exit

### ***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

Lecture/Laboratory

### ***BOTK 2750 (OFFS 2570) (41-180)***

#### ***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.

Lecture

**BOTK 2810, 2820 (OFFS 2580, 2590) (41-111, 112)****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.)

Lecture

**BOTK 2900 (OFFS 2510)****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

Lecture/Laboratory

## CAREER DEVELOPMENT

**CRDV 0100****WINDOWS PREPARATION****Credit 1**

Students will identify the basic components of operating systems and be introduced to the operational features of Windows.

Prerequisites: None

Laboratory

Flexible Entry/Flexible Exit

**CRDV 0110****WORD PREPARATION****Credit 1**

Students will learn and apply the basic word processing features of Word in preparation for additional courses and advanced skill development.

Prerequisites: None

Laboratory

Flexible Entry/Flexible Exit

**CRDV 0120****EXCEL PREPARATION****Credit 1**

Students will identify the major components of Excel and become skills in using the spreadsheet features of Excel Preparation.

Prerequisites: None

Laboratory

Flexible Entry/Flexible Exit

**CRDV 0130****ACCESS PREPARATION****Credit 1**

Students will identify the major components of Access databases. Upon completion of this course the student will know basic terms, concepts, and components associated with operating databases and will use the applications and capabilities of Access.

Prerequisites: None

Laboratory

Flexible Entry/Flexible Exit

**CRDV 0140****POWERPOINT PREPARATION****Credit 1**

Students will learn and apply the basic presentational features of PowerPoint in preparation for additional courses and advanced skill development.

Prerequisites: None

Laboratory

Flexible Entry/Flexible Exit

**CRDV 0150****COMPUTER PREPARATION****Credit 1**

Students will identify the major components of computer systems and become skilled in using the operational features of the computer. Lecture and lab course will self-paced units of study.

Prerequisite: None

Laboratory

Flexible Entry/Flexible Exit

**CRDV 0160****COMPUTER TEN-KEY****Credit 1**

Students will memorize the 10-keys on the computer and will become skilled in using the 10-Key features.

Prerequisite: None

Laboratory

Flexible Entry/Flexible Exit

**CRDV 0170****BUSINESS FILING****Credit 1**

Students will identify the major components of filing and become skilled in using the filing features of Students filing systems using filing textbooks and computer disks. Interactive course. Students become proficient in business filing skills as prep for further skill development.

Prerequisite: None

Laboratory

Flexible Entry/Flexible Exit

## 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.

Prerequisites: None

Lecture/Laboratory

**CHEM 1020 (33-101)****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.

Prerequisites: None

Lecture/Laboratory

**CHEM 1020 (33-101-HP)****HONORS GENERAL CHEMISTRY I****Credit 4**

This course is the first semester of the two-semester honors general chemistry sequence. The course is designed for science majors who would benefit from a rigorous treatment of this topic. The fundamental principles of chemistry with emphasis on atomic structure, molecular structure, bonding, stoichiometry, chemical reactions, and gas laws are discussed.

Prerequisite: Instructors Permission

Lecture/Laboratory

**CHEM 1030 (33-102)****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.

Prerequisites: CHEM 1020

Lecture/Laboratory

**CHEM 1030(33-102-HP)****HONORS GENERAL CHEMISTRY II****Credit 4**

This course is a continuation of Honors General Chemistry I. This semester emphasizes chemical equilibria and thermodynamics. Also included are oxidation/reduction reactions and nuclear reactions. An introduction to organic and biochemistry is included.

Prerequisite: CHEM 1020 (Honors)

Lecture/laboratory

**CHEM 1090****FUNDAMENTALS OF THE PHYSICAL UNIVERSE****Credit 4**

Fundamental chemistry and physics principles applied to real life situations. Primarily for elementary education majors. Crosslists with PHYS 1090.

Concurrent Course: EDCI 1440

Lecture/Laboratory

**CHEM 2230 (33-250)****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

Lecture/Laboratory

**CHEM 2290 (33-297) – Cross reference UW MOLB 2300****INTRO. TO COMPARATIVE BIOCHEMISTRY****Credit 4**

An introductory biochemistry course for the student with no organic chemistry background. Topics include organic nomenclature and structure and metabolism of carbohydrates, lipids, proteins, enzymes and nucleic acids is discussed. Credit for graduation will not be awarded in both CHEM 2290 and CHEM 2320.

Prerequisites: CHEM 1000, 1020, 1030 or Instructor Permission

Lecture



**CHEM 2320 (33-240)**  
**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. Credit for graduation will not be awarded in both CHEM 2290 and CHEM 2320.

Prerequisites: CHEM 1020, 1030

Lecture/Laboratory

**CHEM 2340 (33-241)**  
**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.

Prerequisites: CHEM 2320

Lecture/Laboratory

## COMMUNICATION

**COMM 1000 (16-200)**  
**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.

Prerequisites: None

Lecture/Discussion

**COMM 1010 (17-101)**  
**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.

Lecture/Discussion/Exercises/Speeches

**COMM 1030 (17-103)**  
**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.

Lecture/Discussion/Exercises

**COMM 1040 (17-102)**  
**INTRODUCTION TO HUMAN COMMUNICATION****Credit 3**

This course surveys a variety of the major, influential theories in intrapersonal, interpersonal, small group, and mass communication. Theories from social scientific and humanistic directions will be considered. Older, long-standing "classic" theories will be considered as well as newer, contemporary theories.

Lecture/Discussion/Exercises/

Presentations

**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.

Prerequisites: COMM 1030

Lecture/Discussion

**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.

Lecture

**COMM 1215****SIGNING EXACT ENGLISH II****Credit 2**

This course is designed to enhance the skills of those students who are familiar with beginning Signing. Students who complete this course should be able to sign approximately 1400-1800 words, hold a conversation with a hearing impaired individual, communicate in more complex sentences and interpret some written materials.

Prerequisite: COMM 1200

Lecture

**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.

Lecture

**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

Lecture

**COMM 1370, 1375, 2370, 2375**  
**(JOUR 1010-1013) (16-100-101-102-103)**

**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.

Prerequisites: None

Lecture/Workshop/Discussion

**COMM 2090 (17-230)**  
**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.

Lecture/Performance

**COMM 2100**  
**(JOUR 1100) (16-201-202)**

**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.

Prerequisites: ENGL 1010

Lecture/Discussion

**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

Lecture/discussion/exercises

**COMM 2120 (17-212)**  
**SMALL GROUP COMMUNICATION**

**Credit 3**

This course familiarizes the student with small group processes and the latest in small group communication research. Topics include: how leadership emerges in small groups, helpful and negative roles persons play in small groups, how small groups make decisions, making small group interactions and meetings more rewarding, and other topics. Course combines readings, lectures, discussions and small group exercises.

Prerequisites: None

Lecture/Discussion/Practical Application

**COMM 2250 (17-241)**  
**ORGANIZATIONAL COMMUNICATION**

**Credit 3**

This course explores key communication competencies relating to effective interaction in the workplace. Topics include: organizational management theories, key organizational communication skills, the individual in organizations, small group experiences, resume writing, interviewing, and delivering presentations.

Prerequisites: None

Lecture/discussion/small group case study

**COMM 2270**  
**PUBLIC RELATIONS**

**Credit 3**

This course is designed to introduce students to the field of Public Relations. Students will study the functions of print, radio, video and photography in relation to the Public Relations field. Students will examine a variety of tools used, such as brochures, newsletters, catalogues, magazines, radio and TV advertising, and press releases. Lectures, videos, practice exercises, readings and discussions will be incorporated into class.

Basic keyboarding skills recommended

Lecture/Discussion

**COMM 2300**  
**GRAPHIC DESIGN FOR DESKTOP PUBLISHING**

**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. "Aldus 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.

Lecture/Laboratory

**COMM 2470 (JOUR 2470)**  
**INTERNSHIP IN JOURNALISM**

**Credit Variable**

## COMPUTER APPLICATIONS

**CMAP 0910**  
**INTRODUCTION TO ONLINE LEARNING**

**Credit .5**

This course is designed for students planning to enroll in on-line courses. Students will gain knowledge of Internet browsers, e-mail, file management, downloading programs, how to succeed on-line, know where to go for help, and understand how to use Blackboard (WWCC's on-line delivery system).

Lecture

Flexible Entry/Flexible Exit

**CMAP 1500 (CMP 1600) (41-103)**  
**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.

Prerequisites: None

Competency-based instruction in OIS Lab

Flexible Entry/Flexible Exit

**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.

Prerequisites: None

Competency-based instruction in OIS Lab

Flexible Entry/Flexible Exit

**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.

Prerequisites: Keyboarding Competency  
Competency-based instruction in OIS Lab  
Flexible Entry/Flexible Exit

**CMAP 1713****WORD PROCESSING UPGRADE****Credit 1**

This course is specially designed to the student who has training or experience on a previous version of a word processing program and wants to gain additional knowledge and skill utilizing an upgraded version of the software.

Prerequisites: Keyboarding competency  
Flexible Entry/Flexible Exit

**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.

Prerequisites: Keyboarding competency  
Flexible Entry/Flexible Exit

**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.

Prerequisites: Keyboarding Competency  
Competency-based instruction in OIS Lab  
Flexible Entry/Flexible Exit

**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.

Prerequisites: Keyboarding Competency  
Competency-based instruction in OIS Lab  
Flexible Entry/Flexible Exit

**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.

Prerequisites: Keyboarding Competency  
Competency-based instruction in OIS Lab  
Flexible Entry/Flexible Exit

**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.

Prerequisites: Basic Typing Skills  
Lecture/Laboratory

**CMAP 1900 (CMP 1836) (42-208)****INTEGRATED APPLICATIONS I: MICROSOFT WORKS****Credit 3**

This course offers the student instruction in the integrated software package Microsoft Works. Students will become competent operating Microsoft word processing functions, database functions, spreadsheet functions, and in integrating information between the three environments. This course is primarily offered at outreach centers.

Prerequisites: None  
Flexible Entry/Flexible Exit

**CMAP 1905****INTEGRATED APPLICATIONS II:****Credit 3**

This course offers individualized instruction on integrated software common in the business world. Emphasis will be on building skills using an integrated software suite, such as Microsoft Office Professional, including word processing, spreadsheets, database, charts and presentations. Students successfully completing this course should be prepared to take the Proficient Level Microsoft Office Specialist certification exam in Word and Excel.

Prerequisites: Keyboarding Competency  
Competency-based instruction in OIS Lab  
Flexible Entry/Flexible Exit

**CMAP 2600****COMPUTER GRAPHICS:****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.

Prerequisites: None  
Lecture/Laboratory OR Competency-based instruction in OIS Lab

# COMPUTER SCIENCE

**COSC 1010 (43-106)****COMPUTER SCIENCE I:****Credit 3**

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 1400 (C or better), COSC 1200 (C or better) or instructor permission

Lecture/Laboratory

**COSC 1030****COMPUTER SCIENCE II:****Credit 3**

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

Lecture/Laboratory

**COSC 1200 (41-105)****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 microcomputer 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.

Prerequisites: Keyboarding competency

Lecture/Laboratory

**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

Lecture/Laboratory

**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.

Prerequisites: None

Lecture/Laboratory

**COSC 2000****TOPICS: COMPUTER SCIENCE****Credit 3**

The student is introduced to elementary topics current in computer science (Web Development, E-commerce, etc.).

Prerequisites: COSC 1200 or instructor permission

Lecture/Laboratory

**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: COSC 1350

Lecture/Laboratory

**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: COSC 1010 or COSC 1350

Lecture/Laboratory

**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 (C or better), COSC 1200 (C or better), COSC 1010 (C or better) or instructor permission.

## CRIMINAL JUSTICE

**CRMJ 1550 (27-232)****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.

Prerequisites: None

Lecture/Discussion

**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.

Prerequisites: None

Lecture



**CRMJ 2120 (27-120) (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.

Prerequisites: None

Lecture/Discussion

**CRMJ 2220 (27-122)****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.

Prerequisites: None

Lecture/Discussion

**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.

Crosslists with SOC 2400

Prerequisites: None

Lecture/discussion

**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.

Prerequisites: None

Lecture/Discussion

**CRMJ 2450****ETHICS IN CRIMINAL JUSTICE****Credit 2**

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.

Prerequisites: None

Lecture/Discussion

**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 spent 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.

Prerequisites: None

Lecture

**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.

Prerequisites: None

Lecture/Discussion

**CRMJ 2560 (27-229)****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.

Prerequisites: None

Lecture/Discussion

**CRMJ 2580 (27-221)****CRISIS INTERVENTION (MANAGEMENT)****Credit 3**

Provides the criminal justice student knowledge as to the skills he must develop in order to effectively perform the law enforcement function as related to highly volatile, and extremely stressful, human emergency situations.

Prerequisites: None

Lecture/Discussion

**CRMJ 2590 (27-228)****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.

Prerequisites: None

Lecture/Discussion

## 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, classes numbered less than 1000 do not count toward graduation from WWCC.

**BAS 0100, 0110, 0120****GED PREP****Credit .5**

**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.

Individual Instruction

**BAS 0540****TECHNICAL READING****Credit 1**

This course is based on the premise that appropriate reading skills will facilitate success in the workplace. Students will study the fundamentals of effective reading skills and the application of these skills. Assignments will assist the student in gaining confidence in methods of understanding various reading materials in order to be a more effective employee. Students will focus on developing and strengthening reading skills for the workplace environment. Emphasis will be placed on strategies to increase comprehension with texts, manuals, and other materials used on the job.

Individual Instruction

**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.

Individual Instruction

**BAS 0630****GRAMMAR SKILLS****Credit 1**

This course covers parts of speech, sentence structure, grammatical correctness, punctuation and capitalization.

Corequisite: ENGL 0950

Individual Instruction

**BAS 0640****SPELLING SKILLS****Credit 1**

Students improve their spelling skills using a phonetics or rules approach.

Individual Instruction

**BAS 0710, 0740, 0750****ARITHMETIC SKILLS I, II, III****Credit 1**

This course is designed to serve as a “bridge” for those students who do not feel confident about their arithmetic skills and either want or need additional and/or individualized instruction in the basics of math. The purpose of 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.

Individual Instruction

**BAS 0720, 0760, 0770****ALGEBRA SKILLS I, II, III****Credit 1**

This course is designed to serve as a “bridge” for those students who do not feel confident about their algebra skills and either want or need additional and/or individualized instruction in the basics of algebra. The course helps 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.

Individual Instruction

**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.

Individual Instruction

**BAS 0910****NON-NATIVE READING****Credit 1-3**

This course is designed to facilitate textbook reading skills for non-native and international students.

**BAS 0920****NON-NATIVE WRITING****Credit 1-3**

This course is designed to assist non-native and international students with the English writing process in order to be successful in other college classes.

**BAS 0930****NON-NATIVE GRAMMAR****Credit 1-3**

This course is designed to help non-native and international students learn the mechanics of English grammar.

**BAS 0940****NON-NATIVE SPELLING****Credit 1-3**

This course employs either a rules or phonetics approach to help non-native and international students improve spelling skills.

Individual Instruction

**BAS 0950****NON-NATIVE VOCABULARY****Credit 1-3**

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.

Individual Instruction

**BAS 0960****NON-NATIVE LISTENING****Credit 1-3**

This course is designed to increase listening skills for those who do not feel confident with their English listening skills or need individualized instruction in the basics of listening.

Individual Classroom Instruction

**DVST 0100****ENGLISH AS A SECOND LANGUAGE****Credit 4**

This course emphasizes guided reading and writing practice. One part of this course focuses on the development of college-level reading skills through a text centered on values and beliefs in the American culture. A second part of this course focuses on writing improvement using a variety of traditional skills such as paragraph and essay development, mechanics, and grammar.

Prerequisite: COMPASS test

Lecture/Discussion/Group Activities

**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 classes.

Prerequisites: None

Lecture/Discussion/Group Activities

**DVST 0108****NON-NATIVE PRONUNCIATION****Credit 3**

This course will enable non-native college students to improve their pronunciation of English so that they can be understood by native speakers in both formal and informal situations. Numerous practice exercises reinforce theory by using dialogues, reading passages, and oral presentations.

Prerequisites: TOEFL 475+ (paper based test)

Lecture/Discussion

**DVST 0500****READING FOR SUCCESS****Credit 2**

This course emphasizes guided reading practice and strategies for the development of necessary skills in becoming a more efficient reader. Content areas will include study skills, context clues, structural analysis, dictionary skills, main ideas, details, signal words, organizational patterns, inference, critical reading, reading in the content area, and other selected reading.

Prerequisites: None

Lecture/Discussion

**DVST 0630****GRAMMAR I****Credit 2**

This course covers basic grammar skills such as parts of speech, sentence structure, usage, punctuation, and capitalization.

Prerequisites: None

Corequisite: ENGL 0950

Lecture/Discussion

**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.

Prerequisites: None

Lecture

**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.

Prerequisites: None

Lecture/Discussion

**HMDV 0100****WRITING FOR SUCCESS****Credit 1**

This course is designed to help participants overcome any fears they have about putting their thoughts on paper. While working on the mechanics of writing, stress is placed on the development of thoughts and ideas into coherent, logical essays.

**HMDV 0110****RESUMES/COVER LETTERS****Credit 1**

This course will focus on increasing the student's ability to communicate their qualifications on resumes and cover letters that clearly identifies their skills and abilities. Students will develop professional-quality resumes and cover letters that can be used to enhance their job search.

Lecture/Discussion/Application

**HMDV 0300****INTRODUCTION TO WELLNESS****Credit 1**

This is an introduction course that will explore the mental, emotional, and physical health of the individual. Students will learn various techniques in relaxation and stress management, strategies for reducing test anxiety, constructive ways of coping with strong feelings and emotions, proper exercise and stretching techniques, and many other useful tools for achieving optimal health and well-being.

Prerequisites: None

Lecture/Lab

**HMDV 0400****INTERVIEW SKILLS****Credit 1**

This course will help students learn "knock 'em dead" interview skills to get the job. This interactive course will focus on identifying the competition, assessing individual competencies and accomplishments, developing a game plan, answering the tough questions, and gaining the edge.

Lecture/Discussion/Application

**HMDV 0510****ESL LANGUAGE LAB****Credit 1**

This course is designed for students to work in a supervised setting at their own pace and level on library and on-line research tasks, test preparation, a cultural project, computer skills and pronunciation exercises. Students will be able to use many of their language skills in preparing a cultural project (involving an oral presentation, word-processed report and documented research). In using the computer lab and being oriented to research and library skills, students will be more orientated to the college environment.

Lab

**HMDV 0520****ESL ORAL COMMUNICATION SKILLS****Credit 2**

This course provides ESL students the opportunity to practice their speaking, listening, and pronunciation skills. College-level situations, lectures and exercises give the context for improving proficiency in using and understanding conversational, idiomatic and academic English. Notetaking, active listening skills and formalized speech skills will be introduced. Interactive activities and field trips to various locations will supplement and enrich lessons.

Lecture/Discussion/Application

**HMDV 0530****ESL WRITING SKILLS****Credit 3**

This course will help improve students' writing skills through a variety of tasks and exercises. The writing process will be discussed at length, and students will become familiar with strategies for improving their writing. Also, the demands and requirements of American college writing will be explained and practiced. Supplementing this focus on writing, another part of this course focuses on the development of vocabulary, while another part focuses on the mastery of grammar that is difficult for the ESL student.

Lecture/Discussion/Application

**HMDV 0540****NON-NATIVE BUSINESS ENGLISH****Credit 3**

This course emphasizes the language needed for work, both business English and the language needed for social situations with colleagues. Writing is one key component of this course in the form of memos and short paragraphs to express ideas clearly in English. Other content includes role-plays, dialogues, pronunciation, grammar, reading and vocabulary related to the business world.

Lecture/Laboratory

**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.

Lecture/Discussion

**HMDV 0600****TEAMWORK****Credit 1**

Today's workers must be flexible and willing to adapt in order to work as part of a team and to produce quality products and services. This class will help students develop and focus on the skills needed for working with diverse groups of people, overcoming problems that result from differences, and resolving conflicts with co-workers.

Lecture/Discussion

**HMDV 0610****SELF MANAGEMENT****Credit 1**

This course teaches flexibility and setting personal performance goals, as well as how to work toward these goals on a daily basis. Personal transition skills are taught in the context of adapting to new technology or processes, upgrading skills and career planning. Pre-portfolio planning (to include resumes, cover letters and interviewing) is included, enabling students to demonstrate to potential or current employers their understanding and performance of key skills.

**HMDV 0901****NON-TRADITIONAL CAREER PLANNING****Credit 1**

This course is designed to assist women in confirming their desire for a career and to acquaint them with the necessary skills.

**HMDV 1000****STUDENT SUCCESS SEMINAR****Credit 2**

Students learn methods to support their success in education and other areas of their life. After completion of the course, students should be able to discuss their responsibility for creating a successful college experience, utilize study skills effectively, and examine their personal beliefs about a variety of issues.

Lecture/Discussion

**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.

Individualized Instruction

**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.

Individualized Instruction

**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.

Lecture/Discussion/Application

**HMDV 1280****PERSONALITIES IN CONFLICT****Credit 1**

Students will learn how personality differences affect interpersonal communication and will learn effective skills for resolving conflict issues both personally and professionally.

**HMDV 1290****PRINCIPLES OF PERSONAL LEADERSHIP****Credit 1**

This course will assist students in evaluating their personal beliefs and values to incorporate them into a personal and professional mission statement. Students will learn to utilize effective communication, time management and goal-setting skills.

Lecture/Discussion

**HMDV 1500****HUMAN DEVELOPMENT: EMPOWERMENT****Credit 2**

This course helps students to learn who they are and the consequences of their actions. It teaches concepts and skills which help people recognize weaknesses and develop strategies to deal with them.

Lecture/Discussion



**HMDV 1501****NONNATIVE ENGLISH PRONUNCIATION****Credit 3**

This course enables non-native students to improve their fluency and accuracy of English pronunciation so they have the ability to be understood effortlessly in both formal and informal situations. With the use of kinesthetic, visual and auditory feedback, students learn proper pronunciation through instruction and intensive practice in the principles of articulatory phonetics, consisting of the four major areas of the English sound system: vowels, consonants, rhythm, and intonation.

Lecture/Discussion/Application

**HMDV 1600****VOICE ACTIVATED COMPUTING****Credit 1**

This course is designed to teach students to use software, DragonDictate for Windows Naturally Speaking, to dictate text into a microphone. For instance, students with special needs and education majors who are interested in educational technology will learn to use voice commands as an alternative to entering text into a computer by keyboard.

Laboratory

**HMDV 2410****ACADEMIC PORTFOLIO/CAPSTONE****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.

Prerequisites: completion of 45 credit hours toward graduation

Lecture/Discussion

**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.

Lecture/Application

## 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

Lecture

**DESL 1580 (53-103)****POWER TRAINS, BRAKING & STEERING****Credit 6**

This course will cover shop safety, frames, suspensions, brakes and transmissions of on and off highway equipment.

Prerequisite: None

Lecture/Laboratory

**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

Lecture/Laboratory

**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.

Prerequisites: None

Lecture/Laboratory

**DESL 1600 (53-101)****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 Instructors Permission

Lecture/Laboratory

**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

Lecture/Laboratory

## ECONOMICS

### ***ECON 1010, 1020 (44-101, 102)***

#### ***MACRO & MICRO ECONOMICS***

**Credit 3**

How the economic society is organized and uses scarce resources to provide for its material wants. The first semester topics include national income analysis, business cycles, the banking system, monetary and fiscal policy and international trade. Second semester will cover value and price theory, monopoly and public policy, markets for productive goods and services, labor economics, alternative forms of economic organizations.

Prerequisites: ECON 1010 prerequisite for ECON 1020

Lecture/Discussion

### ***ECON 2480 (44-200)***

#### ***ECONOMIC PROBLEMS***

**Credit 3**

A one-semester course which encourages students to develop problem-solving skills and apply theoretical economic tools to contemporary economic problems. Topics covered may vary but include the following: big business and the American economy, labor economics, poverty and discrimination, urban economics, economics of war and peace, economic growth, and environmental economics.

Prerequisites: ECON 1010, 10202 or Instructor Permission

Lecture/Discussion

## 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.

Prerequisites: None

Workshop/Demonstration/Lecture/

Guest Presentations

### ***EDCI 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.

Prerequisites: EDCI 1000

Concurrent: EDCI 1025

Lecture/Discussion

### ***EDCI 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. Two settings will be assigned with the student spending fifteen hours in each.

Prerequisite: EDCI 1000

Concurrent: EDCI 1020

Discussion/Field Experience

**EDCI 1100****OBSERVATION & GUIDANCE OF YOUNG CHILDREN****Credit 3**

A study of the principles of guidance and the development of skills to meet children's needs individually and in groups, with an emphasis on promoting a positive and constructive climate in the early childhood setting. Classroom management techniques including organizing environments, scheduling, assessments, parent-teach communication and related areas will be covered.

Prerequisite: EDCI 1020, 1025

Lecture/Discussion

**EDCI 1300****CURRICULUM PLANNING & DEVELOPMENT FOR YOUNG CHILDREN****Credit 3**

Students will develop skills in planning, implementing and evaluating developmentally appropriate experiences to encourage intellectual, physical, social, emotional and creative growth in young children with the focus on the whole child.

Prerequisites: EDCI 1020, 1025, 1100

Lecture/Discussion

**EDCI 1410, 1420****ELEMENTARY SCHOOL MATHEMATICS I & II****Credit 1**

This seminar is taken in conjunction with Arithmetic Theory I to assist elementary education majors in making connections between the theory of the topics studied and methods of teaching math in the elementary classroom. Materials and activities appropriate for elementary school students' conceptual level of development will be introduced and related to the concepts of the math course. Positive attitudes toward teaching children about math in phenomena and its relevance to the learner's life will be promoted.

Prerequisites: None

Concurrent: MATH 1100 for EDCI 1410 and MATH 1105 for EDCI 1420

Discussion/Demonstration/Observation/

Lecture

**EDCI 1440****PHYSICAL SCIENCE IN THE ELEMENTARY SCHOOL SEMINAR****Credit 1**

This course is intended for prospective elementary teachers to take in conjunction with CHEM/PHYS 1090. It covers basic physical science concepts, materials and curricula and models the conceptual change strategy appropriate for elementary school. Some work with elementary school children will be included.

Concurrent: CHEM/PHYS 1090

Seminar

**EDCI 2021****PRACTICUM IA****Credit 1**

This practicum, taken concurrently with Foundations of Education, provides the student an opportunity to tie course concepts to actual field experience in the public schools. A minimum of thirty hours of classroom time will be spent in classrooms at the teaching level being considered by the student. A journal will be kept.

Prerequisite: EDCI 1010      Concurrent: EDFD 2020

Field Experience/Journal/Discussion/Short Papers

**EDCI 2041  
PRACTICUM IB****Credit 1**

This practicum, taken concurrently with Foundations of Learning, provides the student with an opportunity to tie concepts of learning, classroom management, and discipline to actual field experience in the public schools. A minimum of thirty hours of classroom time will be spent in a different classroom level and style than Practicum IA. A journal will be kept, including comparisons of the two field experiences.

Prerequisites: EDFD 2020, PSYC 1000. Concurrent: EDFD 2040

Demonstrations/Lecture/Research/Mini-Teaching

**EDEX 1010  
OVERVIEW OF SPECIAL EDUCATION****Credit 3**

This course is designed to introduce students to special education through lecture, discussion, and participation. Broad areas to be addressed are areas of exceptionality, major trends and issues in special education with emphasis on collaboration and inclusion, service delivery models, roles of general and special class teachers, individual education program, and family and community involvement.

Prerequisites: EDCI 1000

Lecture/discussion

**EDEX 2120  
SPECIAL EDUCATION INTERVENTION PROCESS****Credit 3**

This course is designed to introduce students to the special education process of educational intervention including comprehensive knowledge of laws governing the rights and services for people with disabilities.

Prerequisites: EDEX 1010 Concurrent: EDEX 2350

Lecture/discussion

**EDEX 2350  
SPECIAL EDUCATION PRACTICUM****Credit 1**

This practicum, taken concurrently with Intro to Prescriptive Teaching, provides the student with an opportunity to tie concepts of the special education process of educational intervention to actual field experience in the public schools. A minimum of 30 hours of classroom time will be spent in a special education setting which differs from any previous practicums. A journal will be kept which parallels topics being discussed in the Special Education Intervention Process Course.

Prerequisites: EDEX 1010 Concurrent: EDEX 2120

Field Experience

**EDFD 1010  
FIELD EXPERIENCE I****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.

Prerequisites: EDCI 1000

Field Experience/Discussion/Lecture

**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 Concurrent: EDCI 2021

Lecture/Discussion/Research

**EDFD 2040****FOUNDATIONS OF LEARNING****Credit 3**

The purpose of this course is to make better teachers by providing the student with information concerning the processes involved in learning, organizing, remembering, thinking, solving problems, and being creative. Practical strategies for facilitating the teaching/learning process will be described, illustrated, and put into practice through student participation in the classroom instruction. A research project with a presentation is required. Reflective mini-teaching in small groups will also be included.

Prerequisite: EDFD 2020, EDCI 2021 and PSYC 1000.

Concurrent: EDCI 2041

Demonstrations/Lecture/Research/Mini-Teaching

**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.

Lecture

**EDUC 1000 (23-101)****BASIC READING FOR TUTORS****Credit 1**

The workshop is designed to give training in methods and materials for teaching sight words, word attack skills, and comprehension to the older functionally illiterate student. It also provides guidelines for establishing a comfortable, nonthreatening atmosphere for the older learner. The core of the workshop is an approximately 14 1/2 hour video presentation developed by Literacy Volunteers of America. Following the workshop the student will spend a minimum of ten hours in diagnosing, goal setting, selecting and/or developing materials, and teaching as directed by the Director of the Adult Learning Center.

Prerequisites: None

Lecture/Demonstration/Workshop

**EDUC 1100****ENGLISH LANGUAGE (EL) TUTOR TRAINING****Credit 1**

This workshop is designed to give basic training in proven methods and materials for teaching the English sound system, vocabulary, English sentence structure, and word attack skills to adult English language learners. It also builds awareness of the customs and cultures of EL students and seeks to establish sensitivity to the feeling of these students. Because of its basic approach, it is useful not only to the volunteer tutor, but also to paraprofessionals and professional teachers in other fields who may be called upon to teach conversational English.

Prerequisite: None

Lecture/Demonstration/Workshop

**EDUC 2000****MIDDLE SCHOOL I: YOUTH DEVELOPMENT****Credit 2**

This class addresses the unique development of the middle school student and its correlation to the middle school philosophy. Included are aspects of social, emotional, moral, intellectual, physical, and behavioral development of the young adolescent. Course is not applicable to WWCC graduation.

Prerequisites: Must have either 1) current teacher certification or 2) minimum of educational history and philosophies, developmental theories, lesson planning, classroom management, and education reform or 3) consent of instructor.

Lecture

**EDUC 2010****MIDDLE SCHOOL II: THE ROLE OF THE MIDDLE SCHOOL STUDENT** **Credit 2**

This class addresses the role of the middle school student and its correlation to the middle school philosophy. Included are aspects of the family, community, and cultural diversity.

Course is not applicable to WWCC graduation.

Prerequisites: EDUC 2000 or may be taken concurrently with EDUC 2000.

Lecture

**EDUC 2020****MIDDLE SCHOOL III: ROLE OF THE TEACHER IN MID SCH STRUC.** **Credit 2**

This class addresses the teacher's role in the middle school structure and its correlation to the middle school philosophy. Included are aspects of the learning environment, classroom management, peer collaboration, interdisciplinary approach through teaming, advisor/advisee advocacy, and organizational arrangements. Course is not applicable to WWCC graduation.

Prerequisites: EDUC 2010

Lecture

**EDUC 2030****MIDDLE SCHOOL IV: TEACHING IN THE MIDDLE SCHOOL** **Credit 2**

This class addresses teaching practices in the middle school and their correlation to the middle school philosophy. Included are aspects of the meaningful learning including curriculum trends, interdisciplinary pedagogy, a variety of assessment practices, and exploratory practices. Course is not applicable to WWCC graduation.

Prerequisites: EDUC 2020 or may be taken concurrently with EDUC 2020.

Lecture

**EDUC 2800****EDUCATION CAPSTONE****Credit 2**

This course will provide students with the opportunity to complete a comprehensive portfolio which may help them transfer to another college or gain employment. Included into the portfolio will be documentation of the Wyoming Professional Teaching Standards that the student has met. The class will also include activities to provide documentation of competence of the Wyoming Professional Standards VI, VII, X and XVII. Students will also work to determine their ability to demonstrate the WWCC Goals for Student Success.

Prerequisites or Concurrent Courses: EDFD 2040, EDCI 2041, or EDEX 2350 or EDCI 1025

Lecture/Discussion

**RECERTIFICATION COURSES****EDUC 1500 (23-272)****INSTRUCTIONAL APPLICATIONS OF COMPUTERS****Credit 2**

The professional educator will be able to employ the computer as a learning tool for student motivation and success. Hands-on experience with a variety of software programs and languages for use in enrichment of the curriculum, management of data and as a personal synthesizer of information.

Lecture/Laboratory

**EDUC 1501****EFFECTIVE SUBSTITUTE TEACHING****Credit 1**

The objectives of this course are to understand professional ethics and responsibilities; expand awareness of classroom management techniques; increase knowledge of effective teaching behaviors; and develop a teaching resource file. This course is for those students who already have the Substitute Teacher Permit. **This course is not applicable to WWCC graduation.**

Lecture/Discussion

**EDUC 1504****EXCEPTIONAL CHILD IN THE REGULAR CLASSROOM****Credit 2**

This recertification course addresses teaching the exceptional student in the regular classroom. Topics to be discussed will include regulations governing services for exceptional students, inclusion models, and teaching strategies for accommodating special needs in the regular classroom.

Prerequisites: Recertification class for professional educators. **Not applicable toward WWCC graduation requirements.**

Lecture/discussion

**EDUC 1507****TEACHING THE GIFTED & TALENTED STUDENT****Credit 2**

This course is designed to teach the students the characteristics of the gifted and talented student in K-12 and how to identify these students for specialized instruction. This class incorporates the various models of gifted education, their implementation, as well as current trends in gifted education. Students will become familiar with the philosophy of many of the current experts in gifted education. Special emphasis will be placed on effective instructional methods for teaching to use in the regular classroom. **Not applicable toward WWCC graduation requirements.**

Prerequisites: None

Lecture/Discussion

**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

Lecture

**ELECTRICAL APPRENTICESHIPS****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.

Prerequisites: None

Open/Lab

Flex Entry/Flex Exit



**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.

Prerequisites: ELAP 1515

Open/Lab

Flex Entry/Flex Exit

**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.

Prerequisites: ELAP 1525

Open/Lab

Flex Entry/Flex Exit

**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.

Prerequisites: ELAP 1535

Open/Lab

Flex Entry/Flex Exit

**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.

Prerequisites: ELAP 1545

Open/Lab

Flex Entry/Flex Exit

**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.

Prerequisites: ELAP 1555

Open/Lab

Flex Entry/Flex Exit

**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.

Prerequisites: ELAP 1565

Open/Lab

Flex Entry/Flex Exit

**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.

Prerequisites: ELAP 1575

Open/Lab

Flex Entry/Flex Exit

## ELECTRICITY/ELECTRONICS/ INSTRUMENTATION TECHNOLOGY

**ELTR 0900 (54-150)****INTRO TO ELECTRONICS****Credit 1**

Designed to acquaint the student with the principles and applications of electronics as applied to daily living in our "high-tech" society. This course is intended for the non-electronics major, and cannot be used to satisfy the graduation requirements for the Industrial Electrical and Electronics options.

Prerequisites: None

Lecture/Laboratory

**ELTR 1000****BASIC INDUSTRIAL ELECTRICITY****Credit 1**

This lecture-based course is offered as a two-day seminar. Topics of study include Basic Electrical principles, Alternating Current, Conductors, Wiring Methods, Distribution and lighting, Generators and motors, and AC motor control and Current Measurement. The student must demonstrate the ability to locate and understand information about Electrical circuits in his/her work environment upon completion of this course.

Prerequisites: None

Lecture

**ELTR 1030****PROGRAMMABLE LOGIC CONTROLLERS:****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

Lecture

**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: ELTR 2885 or Instructors Permission

Lecture

**ELTR 1505 (54-102)****ELECTRICAL ASSEMBLY TECHNIQUES****Credit 2**

This self-paced course is offered as both a day and evening class, and students employed in shift-work may attend either session. Topics of study include safety, soldering, use of electrical hand tools, methods of securing electrical connections, fabrication of printed circuit boards and component replacement. The student must demonstrate the ability to solder and make electrical connections upon completion of this course.

Prerequisites: None

Competency Based Instruction in the Lab; Flex Entry/Flex Exit

**ELTR 1520 (54-100)****BASIC ELECTRICITY - DC****Credit 4**

This self-paced course is offered as both a day and 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.

Prerequisites: College level math or instructor permission.

Competency Based Instruction in the Lab; Flex Entry/Flex Exit

**ELTR 1530 (54-101)****BASIC ELECTRICITY - AC****Credit 4**

This self-paced course is offered as both a day and evening class, and students employed in shift-work may attend either session. Topics of study include 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.

Prerequisites: ELTR 1520 or instructor permission.

Competency Based Instruction in the Lab; Flex Entry/Flex Exit

**ELTR 1600****NATIONAL ELECTRICAL CODE****Credit 2**

The student must demonstrate the ability to locate and understand information in the National Electrical Code and complete electrical calculations upon completion of this course. Topics of study include wiring methods, conductors and overcurrent protection, grounding, services, special locations and calculations.

Prerequisites: None

Lecture/Discussion

**ELTR 1700 (54-105)****INTRO. TO SOLID STATE ELECTRONICS****Credit 4**

This self-paced course is offered as both a day and evening class, and students employed in shift-work may attend either session. Topics of study include safety, principles of 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.

Prerequisites: ELTR 1530 or instructor permission.

Competency Based Instruction in the Lab; Flex Entry/Flex Exit

**ELTR 1705 (54-106)****ANALOG CIRCUITS****Credit 4**

This self-paced course is offered as both a day and an evening session. Topics of study include safety, oscillators, operational amplifiers, RF and IF amplifiers, and power amplifiers. The student must demonstrate the ability to properly connect and troubleshoot the basic analog circuits upon completion of this course.

Prerequisites: ELTR 1700 or instructor permission.

Competency Based Instruction in the Lab; Flex Entry/Flex Exit

**ELTR 1760 (54-211)****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.

Prerequisites: ELTR 1700 or instructor permission.

Competency Based Instruction in the Lab; Flex Entry/Flex Exit

**ELTR 1840 (54-134)****INSTRUMENTATION****Credit 4**

This self-paced course is offered both as a day and an evening class, and students employed in shift-work may attend either session. Topics of study include safety, principles of control systems, methods of measurement and control elements. The course covers various instrumentation methods to measure flow, temperature level, and pressure. The student must demonstrate the ability to properly connect and troubleshoot a basic instrumentation system upon completion of this course.

Prerequisites: None

Competency Based Instruction in the Lab; Flex Entry/Flex Exit

**ELTR 2600 (54-262) (ELTR 2510)****ELECTRONIC COMMUNICATIONS****Credit 4**

A practical study of theory, operation and service of communications equipment. Subjects covered include AM and FM radio receivers and transmitters, television receivers and antenna systems.

Prerequisites: ELTR 1705 or Instructor Permission

Competency Based Instruction in the Lab; Flex Entry/Flex Exit

**ELTR 2820 (54-104)****POWER DISTRIBUTION****Credit 3**

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.

Prerequisites: ELTR 1530

Competency Based Instruction in the Lab; Flex Entry/Flex Exit

**ELTR 2840 (54-103) (ELTR 1610)****INDUSTRIAL CONTROLS****Credit 4**

This self-paced course is offered both as a day and evening class, and students employed in shift-work may attend either session. Topics of study includes safety, schematic and ladder diagrams, contactors, interlocks, manual and automatic starts, alarm and indicator circuits and programmable logic controller applications. The student must demonstrate the ability to connect and troubleshoot motor control circuits.

Prerequisites: None

Competency Based Instruction in the Lab; Flex Entry/Flex Exit

**ELTR 2855 (54-204)****ADVANCED PROGRAMMABLE LOGICAL CONTROLLERS****Credit 4**

This self-paced course is designed to continue the study of programmable logic controllers utilizing some of the more complex capabilities of modern industrial microprocessor based controllers. Topics of study include controller instruction sets, memory register operations, register math functions, analog and discrete I/O interfacing, and practical control scheme design. The student must demonstrate the ability to design and implement practical solutions to common industrial control problems using programmable logic controllers.

Prerequisites: ELTR 2880

Competency Based Instruction in the Lab; Flex Entry/Flex Exit

**ELTR 2880 (54-203) (ELTR 2840)****PROGRAMMABLE LOGIC CONTROLLERS****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, schematic and ladder diagrams, programmable logical controller applications, programming and operation. The student must demonstrate the ability to connect and troubleshoot practical industrial control circuits.

Prerequisites: ELTR 2840 or Instructor Permission

Competency Based Instruction in the Lab; Flex Entry/Flex Exit

**ELTR 2885 (54-234)****ADVANCED INSTRUMENTATION****Credit 4**

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.

Prerequisites: ELTR 1840 or Instructor Permission

Competency Based Instruction in the Lab; Flex Entry/Flex Exit

**ELTR 2890 (54-236)****PROCESS CONTROL SYSTEMS****Credit 4**

This course emphasizes the adjustment and calibration of industrial process control systems in the laboratory. Students will practice the techniques of system calibration using industrial process simulators.

Prerequisites: ELTR 2885 or Instructor Permission

Competency Based Instruction in the Lab; Flex Entry/Flex Exit

# ENGINEERING

## **ES 1000 (34-100)**

### **ORIENTATION TO ENGINEERING STUDY**

**Credit 1**

Introduction to the various fields of engineering, including procedures for formulating and solving engineering problems, methods of representing and analyzing data, SI and US customary dimension units, and an introduction to computers.

Approved S/U credit for graduation.

Prerequisites: None

Lecture/Discussion

## **ES 1060 (ES 1061) (34-240)**

### **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.

Prerequisites: MATH 1400

Laboratory/Application/Discussion

## **ES 2110 (34-201)**

### **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

Lecture/Discussion/Lab

## **ES 2120 (34-202)**

### **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

Lecture/Discussion

## **ES 2211**

### **ENGINEERING CIRCUIT THEORY**

**Credit 4**

Basic concepts of electric and magnetic fields, current, resistance, inductance, capacitance, and fundamental circuit concepts.

Prerequisites: MATH 2200 & Concurrent Enrollment in MATH 2205

Lecture/Discussion/Laboratory

## **ES 2230 (34-250)**

### **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.

Prerequisites: Some drafting experience or Instructor Permission

Laboratory/Skills

**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.

Prerequisites: ES 2230

Lecture/Lab

**ES 2410 (34-210)****MECHANICS OF MATERIALS****Credit 3**

Analysis and design of deformable bodies subjected to loads, including energy methods.

Prerequisites: ES 2110 or Instructor Permission

Lecture/Discussion

## ENGLISH

**ENGL 0950 (12-099)****BASIC ENGLISH I****Credit 2**

This course is primarily for students who have problems with writing. The course helps students create complete and interesting paragraphs with topic sentences, supporting details, grammar, punctuation, and usage errors. Students will also study strategies for expanding paragraphs to writing essays.

Prerequisites: English Placement Test Score of 38 or lower

Corequisite: DVST 0630 or BAS 0630

Lecture

**ENGL 0955****BASIC ENGLISH II****Credit 3**

This full semester course prepares students for writing in college-level courses. The course emphasizes the writing of clearly organized, well-developed five-paragraph essays with few grammar, spelling, and/or punctuation errors.

Prerequisites: English Placement Test Score of 39-74 or ENGL 0950 (C or better)

Corequisite: DVST 0630 or BAS 0630 (If student did not take ENGL 0950)

Lecture

**ENGL 0960****BASIC ENGLISH & GRAMMAR****Credit 4**

Primarily for students with problems organizing their writing, this course prepares students for writing in college-level courses. The course emphasizes the writing of clearly organized, well-developed five paragraph essays. This class stresses writing with as few grammar, spelling, or punctuation errors as possible. Students in this course will have a grammar review along with the written essays.

Prerequisite: Placement test

Internet Course

**ENGL 1010 (12-101)****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 23 or higher.

Lecture

**ENGL 1020 (12-102)****ENGLISH COMPOSITION II****Credit 3**

A continuation of English I, this course emphasizes writing, research, and analytical reading.

Prerequisites: ENGL 1010

Lecture

**ENGL 1111 (12-226)****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

Lecture

**ENGL 2010 (12-120)****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.

Prerequisites: ENGL 1010

Lecture

**ENGL 2050 (12-233)****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.

Prerequisites: None

Lecture

**ENGL 2060 (12-234)****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.

Prerequisites: None

Lecture

**ENGL 2065****CREATIVE WRITING: MEMOIR WRITING****Credit 3**

In this class, 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.

Prerequisites: None

Lecture

**ENGL 2080 (12-231)****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.

Prerequisites: None

Lecture



**ENGL 2090 (12-232)****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.

Prerequisites: None

Lecture

**ENGL 2140 (12-250)****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.

Prerequisites: ENGL 1010

Lecture

**ENGL 2150 (12-251)****WORLD LITERATURE II****Credit 3**

*Renaissance through 19th Century:* Continuation of ENGL 2140.

Prerequisites: ENGL 1010; offered on a demand basis

Lecture

**ENGL 2210, 2220 (12-201-202)****ENGLISH LITERATURE I & II****Credit 3**

A study of major British writers concentrating on their contributions to the world of literature. ENGL 2210 covers the period up to about 1800 and ENGL 2220 covers the period since about 1800.

Prerequisites: None

Lecture

**ENGL 2250, 2260 (12-129-130)****WOMEN IN LITERATURE I & II****Credit 3**

A literature course which explores the images of women in the Western traditions. The writers examined will be women. ENGL 2250 covers the period up to the 19th Century and ENGL 2260 covers the period from the beginning of the 19th Century to modern times.

Prerequisites: None

Lecture

**ENGL 2310 (12-211)****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.

Prerequisites: None

Lecture

**ENGL 2320 (12-212)****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.

Prerequisites: None

Lecture

**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.

Lecture

**ENGL 2370 (12-125)****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.

Lecture

**ENGL 2400****INTRODUCTION TO FOLKLORE****Credit 3**

An introductory course to the forms of folklore and their relation to cultural setting. The course includes the study of folk groups and folklore genres, such as myths, folktales, legends, ballads, proverbs, riddles, etc. from various cultures. Methods of analyzing, of interpreting, and of collecting folklore will be part of the course.

Prerequisite: ENGL 1010

Lecture/discussion/field work

**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

Lecture

**ENGL 2470 (12-150)****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.

Prerequisites: None

Lecture

**FINANCE****FIN 1000****INTRO. TO PERSONAL FINANCIAL PLANNING****Credit 1**

A general course treating the fundamentals of personal financial planning. Topics will include personal budgeting, retirement planning, investment strategies, personal financial assessment, insurance, tax planning and estate planning.

Prerequisites: None

Lecture/Discussion

**FIN 1020****INTRODUCTION TO INTERNATIONAL FINANCE****Credit 3**

This course studies the interaction of national economies through international financial markets. Among the topics covered in the course are international parity conditions, the determination and management of exchange rates, balance of payments crises, Eurocurrency and Eurobond markets.

Prerequisite: None

Lecture

**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.

Prerequisites: ACCT 2010, and STAT 2010

## FOREIGN LANGUAGE

**FREN 1010****FIRSTYEAR 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.

Lecture/Discussion

**FREN 1020****FIRSTYEAR 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.

Lecture/Discussion

**GERM 1010****FIRSTYEAR 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.

Lecture/Discussion

**GERM 1020****FIRSTYEAR GERMAN II****Credit 4**

This course offers the fundamentals of grammar, composition, conversation and reading.

Prerequisite: GERM 1010 or successful completion of two years of high school German or the equivalent.

Lecture/Discussion

**SPAN 1010****FIRSTYEAR SPANISH I****Credit 4**

This beginning level course introduces the fundamentals of grammar, composition, conversation and reading. (Offered fall only on-campus)

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.

Lecture/Discussion

**SPAN 1020****FIRSTYEAR 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. (Offered spring only on-campus)

Lecture/Discussion

**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.

Lecture/Discussion

**SPAN 2030****SECONDYEAR SPANISH I****Credit 4**

This course includes grammar review and study, composition, conversation and reading of short stories, dramas and poems. (Offered Fall only on-campus)

Prerequisites: SPAN 1020 or successful completion of three years of high school Spanish or the equivalent.

Lecture/Discussion

**SPAN 2040****SECONDYEAR SPANISH II****Credit 4**

This course includes grammar review and study, composition, conversation and reading of short stories, dramas and poems. (Offered Spring only on campus).

Prerequisite: SPAN 2030 or successful completion of four years of high school Spanish or the equivalent.

Lecture/Discussion

**SPAN 2300 (14-295)****SPANISH COMPOSITION and CONVERSATION****Credit 1-4**

This course is designed for those students who have completed language courses on the intermediate level and who wish to continue their study of reading, conversation and writing. It can also be taken simultaneously with second year courses to improve language skills. The course is also open to students who have some knowledge of the target language.

Prerequisites: Instructor Permission

Lecture/Discussion

**GEOGRAPHY AND RECREATION****G&R 1000 (28-100)****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.

Prerequisites: None

Lecture/Discussion/Films

**G&R 1050 (37-100)****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.

Prerequisites: None

Lecture/Discussion/Field Trip

**G&R 1060****RIVER ENVIRONMENTAL STUDIES****Credit 2**

This course will expose students to a variety of environmental topics. All instruction will take place on the river and in adjacent areas. This course focuses both on the scientific and social aspects of interactions in the ecosystem.

Prerequisites: None

Field School

**G&R 1070****WAYS OF THE RIVER****Credit 2**

This class follows the Green River from the melting glaciers of the Wind River Range to the concrete spillways of the Flaming Gorge Reservoir. This course focuses on relationships between physical and life sciences, between organisms and their environment, and between ecosystems. The river provides the ideal classroom for a naturalistic journey with four physical and life scientists.

Field Studies

**G&R 1210****INTRO TO OUTDOOR RECREATION****Credit 3**

This course will offer the student an introduction to the fundamentals of outdoor recreation, our outdoor resources, the management of our resources and utilization of these resources through outdoor recreation. The course incorporates historical, social, psychological and economical aspects of outdoor recreation. The class will examine a variety of outdoor recreational activities. Some of the possible educational and employment directions in outdoor recreation will be discussed.

Prerequisites: Non

Lecture/Discussion

**G&R 2470****INTERNSHIP: OUTDOOR LEADERSHIP****Credit 1-2**

This course provides opportunities for interns to work in the outdoor field and to extend their personal leadership experience. Interns will apply their outdoor leadership knowledge and skills gained from their coursework in the Outdoor Leadership program.

Prerequisites: G&R 1210 and HLED 1222

Laboratory/Skill/Practicum

## GEOLOGY

**GEOL 1100 (30-101)****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.

Prerequisites: None

Lecture/Discussion/Lab/Field Trips

**GEOL 1200 (30-102)****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.

Prerequisites: GEOL 1100 or Instructor Permission

Lecture/Discussion/Laboratory/ Field trips

**GEOL 2080 (30-110)****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's Permission

Field Study

**GEOL 2150 (30-210)****GEOMORPHOLOGY****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.

Prerequisites: GEOL 1100 or Instructor Permission

Lecture/Discussion/Laboratory/Field Trips

## 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.

Prerequisites: None

Lecture/Discussion

**HLED 1004****COMMUNITY WELLNESS****Credit 2**

This course is designed for community members who want to learn how to prevent and manage several common chronic diseases such as: obesity, heart disease, diabetes, arthritis, osteoporosis, and asthma. Participants will receive a personalized exercise prescription that addresses their special needs. Program components include: cardiovascular exercise, strength training, stretching, back pain prevention, stress reduction techniques, weight management, dietary analysis, body composition analysis and nutrition education. A physician's approval may be required for participation.

Prerequisites: None

Lecture/Lab

**HLED 1222****WILDERNESS FIRST AID****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.

Prerequisites: None

Lecture

**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.

Prerequisites: None

Lecture/Lab

**HLED 1271****WEIGHT MANAGEMENT****Credit 1**

This course presents techniques for losing weight safely and maintaining permanent weight loss. Students in cooperation with the instructor, will develop a personal guide to real-life weight management that includes: adequate activity, sensible eating and self-empowerment.

Prerequisites: None

Laboratory

## HOME ECONOMICS/NUTRITION

**HOEC 1140 (21-100)****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.

Prerequisites: None

Lecture/Discussion

## HEALTH SCIENCE GENERAL

**HLTK 1200 (60-100)****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.

Flexible Entry/Flexible Exit

**HLTK 1630 (RESP 1600) (64-120)****CARDIOPULMONARY RESUSCITATION****Credit 1**

Cardiopulmonary Resuscitation (CPR) is the lifesaving procedure used in sudden death. This course is taught according to American Heart Association and American Red Cross standards. Certification is given upon successful completion of the program. Competency of 80% is required.

Lecture/Discussion/Demonstration/Mannequins

**HLTK 1650****CPR FOR THE PROFESSIONAL RESCUER****Credit 1**

This course builds upon the current Community CPR certification, which includes Adult, Child, Infant. This course prepares you to fulfill the role as professional rescuer. Adult, child and infant skills will be reviewed and practiced. This course includes-2 person training, mask practice and the proper use of BVM (Bag Valve Mask). A CPR for Professional Rescuer Certification card will be issued upon successful completion of requirements established by the American Red Cross.

Prerequisites: HLTK 1630 or instructor permission

Lecture/Discussion/Demonstration/Mannequins

**HLTK 2500 (64-200) (RESP 2500)****CARDIOPULMONARY INSTRUCTOR****Credit 2**

The cardiopulmonary instructor teaches cardiopulmonary resuscitation (CPR) including mouth-to-mouth resuscitation, external cardiac compression and assessment. The course is taught in accordance with the American Heart Association standards. Students in this course must have current certification as a CPR provider and hold a card from either the American Red Cross or the American Heart Association.

Instructor Permission is required.

Lecture/Discussion/Demonstration

**HISTORY****HIST 1110 (24-101)****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.

Prerequisites: None

Lecture/Discussion

**HIST 1120 (24-102)****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.

Prerequisites: None

Lecture/Discussion

**HIST 1210 (24-111)****U.S. HISTORY I: TO 1877****Credit 3**

A survey of the United States history from earliest explorations until 1877. Emphasis placed on ideas and the development of institutions. With History of Wyoming this course meets Wyoming statute requirement for instruction in the provision and principle of the U.S. Constitution and the Wyoming Constitution.

Prerequisites: None

Lecture/Discussion



**HIST 1220 (24-112)****U.S. HISTORY II: SINCE 1877****Credit 3**

This course is strongly recommended for students majoring in history or political science. It serves as an elective for students in other majors. This course provides a factual introduction to American history from 1877 to the present. It provides interpretation of the period. Students are encouraged to develop their own interpretations based on readings and lecture. It provides an historical perspective within which students can more intelligently examine contemporary events. Students in this course are expected to develop and to demonstrate the ability to communicate historical concepts.

Prerequisites: None

Lecture/Discussion

**HIST 1250 (24-122)****HISTORY OF WYOMING****Credit 3**

A continuation of HIST 1290 with emphasis on Wyoming. Designed for those particularly interested in local history.

Prerequisites: None

Lecture/Discussion

**HIST 1290 (24-121)****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.

Prerequisites: None

Lecture/Discussion

**HIST 1320 (1160)****WORLD CIVILIZATION TO 1450****Credit 3**

A history of the world's people and civilizations from Human Prehistory to 1450, with an emphasis on the diversity and interconnectedness of human life in the past.

Lecture/discussion

**HIST 1330 (1170)****WORLD CIVILIZATION FROM 1450****Credit 3**

A continuation of the history of the world's people and civilizations.

Lecture/discussion

**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.

Prerequisites: None

Lecture/discussion

**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

Lecture

**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 reenactment 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

Lecture/Lab/Practicum

**HIST 1410 (24-210)****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.

Lecture/Lab/Field Trips

**HIST 1420****LABOR HISTORY****Credit 1-3 Variable**

The course provides a basic introduction to Labor History. The chronicle will begin with the rise of commercial capitalism in the fifteenth, sixteen, and seventeenth centuries, resistance to slavery, the rise of industrial capitalism and organized Union resistance (i.e. Knights of Labor), the struggle for non-elitist unionism (i.e. Wobblies and the CIO) to the relevancy of unionism in today's service economy and consumer capitalism. Stress will be placed on minority participation in Unionism and, of course the central role of women in the movement. Expect that difficult questions will be raised and that all answers will not necessarily be optimists.

Prerequisites: None

Lecture/discussion

**HIST 2040 (24-220)****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.

Prerequisites: None

Lecture/Discussion

**HIST 2060****HOLOCAUST IN EUROPE: 1933-45****Credit 3**

This class will focus on the origins, events and consequences of the most defining period of genocidal behavior this millennium--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.

Prerequisites: None

Lecture/Discussion

**HIST 2290 (24-150)****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.

Prerequisites: None

Lecture/Discussion/Film

**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.

Prerequisites: None

Lecture/Discussion

**HIST 2466****FIELD STUDIES IN HISTORY****Credit Var .5-4**

This course provides students a chance to explore the American West. Field trips may range from visiting the Fort Bridger Museum complex to traveling the entire length of California on Coastal Highway Number One.

Field Studies

**HIST 2480 (24-240)****RESEARCH IN HISTORY****Credit 3**

An introduction to the variety of research techniques in social sciences and to the various methods of data gathering and evidence evaluation.

Lecture/Discussion

## HUMAN DEVELOPMENT

**HMDV 0100****WRITING FOR SUCCESS****Credit 1**

This course is designed to help participants overcome any fears they have about putting their thoughts on paper. While working on the mechanics of writing, stress is placed on the development of thoughts and ideas into coherent, logical essays.

**HMDV 0110****RESUMES/COVER LETTERS****Credit 1**

This course will focus on increasing the student's ability to communicate their qualifications on resumes and cover letters that clearly identifies their skills and abilities. Students will develop professional-quality resumes and cover letters that can be used to enhance their job search.

Lecture/Discussion/Application

**HMDV 0300****INTRODUCTION TO WELLNESS****Credit 1**

This is an introduction course that will explore the mental, emotional, and physical health of the individual. Students will learn various techniques in relaxation and stress management, strategies for reducing test anxiety, constructive ways of coping with strong feelings and emotions, proper exercise and stretching techniques, and many other useful tools for achieving optimal health and well-being.

Prerequisites: None

Lecture/Lab

**HMDV 0400****INTERVIEW SKILLS****Credit 1**

This course will help students learn “knock ‘em dead” interview skills to get the job. This interactive course will focus on identifying the competition, assessing individual competencies and accomplishments, developing a game plan, answering the tough questions, and gaining the edge.

Lecture/Discussion/Application

**HMDV 0510****ESL LANGUAGE LAB****Credit 1**

This course is designed for students to work in a supervised setting at their own pace and level on library and on-line research tasks, test preparation, a cultural project, computer skills and pronunciation exercises. Students will be able to use many of their language skills in preparing a cultural project (involving an oral presentation, word-processed report and documented research). In using the computer lab and being oriented to research and library skills, students will be more orientated to the college environment.

Lab

**HMDV 0520****ESL ORAL COMMUNICATION SKILLS****Credit 2**

This course provides ESL students the opportunity to practice their speaking, listening, and pronunciation skills. College-level situations, lectures and exercises give the context for improving proficiency in using and understanding conversational, idiomatic and academic English. Notetaking, active listening skills and formalized speech skills will be introduced. Interactive activities and field trips to various locations will supplement and enrich lessons.

Lecture/Discussion/Application

**HMDV 0530****ESL WRITING SKILLS****Credit 3**

This course will help improve students' writing skills through a variety of tasks and exercises. The writing process will be discussed at length, and students will become familiar with strategies for improving their writing. Also, the demands and requirements of American college writing will be explained and practiced. Supplementing this focus on writing, another part of this course focuses on the development of vocabulary, while another part focuses on the mastery of grammar that is difficult for the ESL student.

Lecture/Discussion/Application

**HMDV 0540****NON-NATIVE BUSINESS ENGLISH****Credit 3**

This course emphasizes the language needed for work, both business English and the language needed for social situations with colleagues. Writing is one key component of this course in the form of memos and short paragraphs to express ideas clearly in English. Other content includes role-plays, dialogues, pronunciation, grammar, reading and vocabulary related to the business world.

Lecture/Laboratory

**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.

Lecture/Discussion

**HMDV 0600****TEAMWORK****Credit 1**

Today's workers must be flexible and willing to adapt in order to work as part of a team and to produce quality products and services. This class will help students develop and focus on the skills needed for working with diverse groups of people, overcoming problems that result from differences, and resolving conflicts with co-workers.

Lecture/Discussion

**HMDV 0610****SELF MANAGEMENT****Credit 1**

This course teaches flexibility and setting personal performance goals, as well as how to work toward these goals on a daily basis. Personal transition skills are taught in the context of adapting to new technology or processes, upgrading skills and career planning. Pre-portfolio planning (to include resumes, cover letters and interviewing) is included, enabling students to demonstrate to potential or current employers their understanding and performance of key skills.

**HMDV 0901****NON-TRADITIONAL CAREER PLANNING****Credit 1**

This course is designed to assist women in confirming their desire for a career and to acquaint them with the necessary skills.

**HMDV 1000****STUDENT SUCCESS SEMINAR****Credit 2**

Students learn methods to support their success in education and other areas of their life. After completion of the course, students should be able to discuss their responsibility for creating a successful college experience, utilize study skills effectively, and examine their personal beliefs about a variety of issues.

Lecture/Discussion

**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.

Individualized Instruction

**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.

Individualized Instruction

**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.

Lecture/Discussion/Application

**HMDV 1280****PERSONALITIES IN CONFLICT****Credit 1**

Students will learn how personality differences affect interpersonal communication and will learn effective skills for resolving conflict issues both personally and professionally.

**HMDV 1290****PRINCIPLES OF PERSONAL LEADERSHIP****Credit 1**

This course will assist students in evaluating their personal beliefs and values to incorporate them into a personal and professional mission statement. Students will learn to utilize effective communication, time management and goal-setting skills.

Lecture/Discussion

**HMDV 1500****HUMAN DEVELOPMENT: EMPOWERMENT****Credit 2**

This course helps students to learn who they are and the consequences of their actions. It teaches concepts and skills which help people recognize weaknesses and develop strategies to deal with them.

Lecture/Discussion

**HMDV 1501****NONNATIVE ENGLISH PRONUNCIATION****Credit 3**

This course enables non-native students to improve their fluency and accuracy of English pronunciation so they have the ability to be understood effortlessly in both formal and informal situations. With the use of kinesthetic, visual and auditory feedback, students learn proper pronunciation through instruction and intensive practice in the principles of articulatory phonetics, consisting of the four major areas of the English sound system: vowels, consonants, rhythm, and intonation.

Lecture/Discussion/Application

**HMDV 1600****VOICE ACTIVATED COMPUTING****Credit 1**

This course is designed to teach students to use software, DragonDictate for Windows Naturally Speaking, to dictate text into a microphone. For instance, students with special needs and education majors who are interested in educational technology will learn to use voice commands as an alternative to entering text into a computer by keyboard.

Laboratory

**HMDV 2410****ACADEMIC PORTFOLIO/CAPSTONE****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.

Prerequisites: completion of 45 credit hours toward graduation

Lecture/Discussion

**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.

Lecture/Application

## HUMANITIES (GENERAL)

**HUMN 1010 (12-260)****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

Seminar/Discussion

**HUMN 1090****FEMININE MYTHOLOGY****Credit 3**

This course will familiarize the student with the latest research in the study of ancient matrilineal and female deity cultures. Topics explored will be the great mother/goddess concept, effects of a male dominated (patriarchal) culture on women, the role of women in a culture that worshipped a feminine deity, a comparison of ancient feminine mythology with more recent cultural myths, and how the feminine is expressed in other cultures' myths, i.e., Native American, Asian, and others.

Prerequisites: None

Lecture

**HUMN 2460****FIELD STUDIES IN HUMANITIES:****Credit 2**

This course will be organized around travel to distant destinations, U.S. cities and foreign countries. The goal of the course is learning through travel with preparation beforehand to learn about what we will see. Each class will have a different focus because of the different destinations, but each will concentrate on studying the humanities in art, architecture, music, language, culture, art museums, historical museums, theatre performances, etc.

Field Study

**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

Reading, lecture, discussion and field trips.

# INDUSTRIAL MAINTENANCE

## **INDM 0920**

### **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.

Lecture/Laboratory

## **INDM 0930 (50-122)**

### **INTERMEDIATE HYDRAULICS**

**Credit 1**

Intermediate Hydraulics is a continuation of Basic Hydraulics. Major topics of study include hydraulic pumps such as gear, vane and piston; hydraulic motors such as vane, gear gerotor and piston; fluids; reservoirs; heat exchangers; and filters.

Pass/Fail Grade

Lecture/Laboratory

## **INDM 1510 (50-101)**

### **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.

Prerequisites: None

Lecture/Laboratory \*5-week course

## **INDM 1511, 1512, 1513**

### **INDUSTRIAL MECHANICS I FOR INDUSTRY**

**Credit 1**

These courses 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 communication skills. Primarily designed for industry. **Students may not receive credit in these courses as well as INDM 1510.**

Prerequisites: None

Lecture

## **INDM 1520 (50-102)**

### **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.

Prerequisites: None

Lecture/Laboratory \*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 courses as well as INDM 1520.**

Prerequisites: None

Lecture



**INDM 1522, 1523****INDUSTRIAL MECHANICS II FOR INDUSTRY****Credit 1**

These courses 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 these courses as well as INDM 1520.**

Prerequisites: None

Lecture

**INDM 1530 (50-103)****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.

Prerequisites: None

Lecture/Laboratory \*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. They 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 courses as well as INDM 1530.**

Prerequisites: None

Lecture

**INDM 1532, 1533****INDUSTRIAL MECHANICS III FOR INDUSTRY****Credit 1**

These courses are 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. In 1533, students will be required to align a coupling using three different methods. They 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 these courses as well as INDM 1530.**

Prerequisites: None

Lecture

**INDM 1540 (50-104)****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.

Prerequisites: None

Lecture/Laboratory \*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.

Prerequisites: None

Lecture

**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.

Prerequisites: None

Lecture

**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.

Prerequisites: None

Lecture/Laboratory \*5-week course

**INDM 1560 (50-106)****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.

Prerequisites: None

Lecture/Laboratory \*5-week course

**INDM 1565****VIBRATION ANALYSIS****Credit 3**

To introduce the student to basic machinery vibration, measurement and analysis.

Prerequisites: None

Lecture/Lab

**INDM 1570 (50-107)****INDUSTRIAL HYDRAULICS\* I (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

Lecture/Laboratory \*5-week course

**INDM 1580 (50-108)****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.

**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.

**INDM 1590 (50-109)****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.

Prerequisites: None

Lecture/Laboratory

\*5-week course

## LEGAL ASSISTANT

**LEGL 1500 (46-100)****LAW OFFICE PRINCIPLES****Credit 3**

This course serves as an introduction to the non-professional legal field. It covers the nature of the law, the professional code of conduct, subject approach to law, case approach to law, statutory and administrative approach to law, legal communications, fact investigating, client interviewing, and legal reasoning.

Lecture/Discussion

**LEGL 1710 (46-102)****LEGAL RESEARCH & WRITING I****Credit 3**

This course provides an introduction to legal reference materials and how to use them. The student will learn the basic principles and procedures of legal research. It is a "how to" course that covers researching in legal dictionaries and encyclopedias, periodicals, case reports, digests, treatises, state statutes, federal codes, and other sources. The course requires a great deal of independent study.

Prerequisite: None

Lecture

**LEGL 1740 (46-101)****LEGAL TERMINOLOGY****Credit 2**

This course is specifically designed to teach Latin words and phrases, legal terminology used in business and corporate practice, real estate and probate practice and litigation.

Lecture/Discussion

## LIBRARY SCIENCE

### **LIBS 1140**

#### **STORYTELLING**

**Credit 2**

Storytelling is an introductory course in the basics of telling stories to live audiences. The student will read several types of stories, practice techniques of learning and telling stories, and analyze potential audiences. This course combines readings from the text and readings of story collections, video presentation, student class presentation, and exposure to audiences of children and adults to help students become more efficient and effective storytellers. Students will become familiar with a wide variety of stories, practice telling stories for a live audience and present live performances. We will also cover family storytelling and parenting with stories in this course. Librarians, teachers and parents should find this course beneficial

Prerequisite: None

Lecture/Discussion/Field Experience

### **LIBS 2280 (23-200)**

#### **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.

Prerequisites: ENGL 1010

Lecture/Discussion

## 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 (55-271)**

#### **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.

Prerequisites: None

Lecture/Laboratory

### **MCH 2750 (55-272)**

#### **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.

Prerequisites: 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.

Prerequisites: MCH 2740 and 2750

Lecture/Lab

**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.

Prerequisites: MCH 2760

Lecture/Lab

## MANAGEMENT & SUPERVISION

**MGT 1000 (40-102)****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.

Prerequisites: None

Lecture/Discussion

**MGT 1150****PRINCIPLES OF LEADERSHIP****Credit: 3**

This course surveys the field of leadership theory and practice and will introduce the student to the basic concepts and modern foundations of leadership. Students will study the leadership process, the role of followers, contingency models of leadership, the role of power, transactional and transformational leadership, and strategic leadership. This course cannot by itself develop "leaders" but will prepare individuals for leadership assignments and includes numerous leadership self-assessments and several experiential exercises and case studies.

Prerequisites: None

Lecture

**MGT 1200 (40-101)****HUMAN RESOURCES MANAGEMENT****Credit 2**

This course emphasizes learning to handle human conflicts as they arise, understanding the motivations of other people as well as one's own, building sound working relationships in 'forced' associations, building honorable and lasting relations in many directions with many different kinds of people.

Prerequisites: None

Lecture/Discussion

**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.

Prerequisites: None

Lecture/Discussion

# MARKETING

## **MKT 1000 (48-101)**

### **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.

Prerequisites: None

Lecture

## **MKT 1100 (48-201)**

### **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.

Prerequisites: None

Lecture

## **MKT 1300 (48-205)**

### **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.

Prerequisites: None

Lecture

## **MKT 1600**

### **E-COMMERCE**

**Credit 3**

E-business and e-commerce are exploding; businesses everywhere are creating Web presences and reaching their markets in a way that was never before possible. The goal of this course is to provide a real-world understanding of electronic commerce: its infrastructure, business modules, challenges, and promises. This non-technical course covers the different elements of e-business and e-commerce. The students will be encouraged to learn from examples currently on the Web. A rich collection of examples, exercises, and projects drawn from many fields will be explored by the students. Each student will be given the opportunity to solve interesting real-world problems. This course concentrates on the principals of good e-business/e-commerce management. The student will be provided firm foundations of the principle of building an online business or web presence for traditional companies.

Prerequisite: None

Lecture

## **MKT 2100 (MKT 1200) (42-202)**

### **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

Lecture/discussion

**MKT 2480 (48-150)****COOPERATIVE EDUCATION - MARKETING****Credit 1-2 (6 credits maximum)**

The purpose of cooperative education work experience is to provide students with an opportunity to enhance their classroom education with practical experience and education through employment in marketing and marketing-related occupations. A bi-weekly co-op meeting with the instructor is required for all students enrolled. Students will be evaluated by the instructor and employer. One hundred twenty hours on the job are required for one semester hour of credit. Students may earn a maximum of six credits toward graduation.

Prerequisites: Completion of 12 hours of credit with a 2.00 GPA and Instructor Permission  
Discussion/Practicum

## MATHEMATICS

**MATH 0920 (35-098) (MATH 0600)****BEGINNING ALGEBRA****Credit 3**

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  
Lecture/Discussion

**MATH 0930 (35-099) (MATH 0700)****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  
Lecture/Discussion

**MATH 1000 (35-104)****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: Appropriate Math Placement Test score or MATH 0920 (C or better)  
Lecture/Discussion

**MATH 1050 (35-105)****FINITE MATHEMATICS****Credit 4**

Introductory course in elementary matrix algebra, set theory, linear programming, mathematics of finance, probability, expectation, and linear programming with emphasis on applications. It serves as an introduction to finite mathematics for majors not requiring calculus.

Prerequisites: One college level mathematics course (C or better) or appropriate score on the math placement test  
Lecture/Discussion

**MATH 1100, 1105 (35-201-202)****MATH FOR ELEMENTARY SCHOOL TEACHERS I & II****Credit 3 per semester**

A sequential two semester course intended for mathematical training of prospective elementary teachers. Topics to include the origin of numerals and numeration systems, relations and functions, number bases, system of whole numbers, integers, rational numbers, real numbers, topics from geometry and the metric system.

Prerequisites: MATH 1000 (C or better) or higher

Concurrent: EDCI 1410 for MATH 1100

EDCI 1420 for MATH 1105

Lecture/Discussion

**MATH 1200****APPLIED COLLEGE ALGEBRA****Credit 3**

An introductory course in college algebra, this course contains many of the algebra topics of MATH 1400 but will focus on the applications of functions and algebra. Specifically, the course will examine real data sets, and study the classes of functions that are most often used to model real-life data. The course will emphasize applications, including population studies, personal finance, and economics. Topics include functions, linear functions and their applications, linear regression, exponential and logarithmic functions and their applications, and polynomial functions and their applications. Students who receive a grade of "C" or better may subsequently enroll in any Introductory Statistics Course. **Students may not get credit for both MATH 1200 and MATH 1400.** MATH 1200 may not be used as a prerequisite for Calculus or Business Calculus.

Prerequisite: MATH 0930 (C or better) or equivalent, MATH ACT of 23 or higher or appropriate Math Placement Test score

Lecture/Discussion

**MATH 1400 (35-101)****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

Lecture/Discussion

**MATH 1405 (35-102)****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

Lecture/Discussion



**MATH 1450****ALGEBRA & TRIGONOMETRY****Credit 5**

This course emphasizes aspects of algebra, trigonometry and problem solving that are important in the study of calculus. It includes functions and their applications to real world problems and different classes of functions, including polynomial, exponential, logarithmic and trigonometric functions. Students are given an intuitive introduction to the idea of limits and sequences, which are developed further in the calculus sequence. Graphing calculators are used frequently in class and on assignments. (See instructor for specifications on calculators.) Students with both MATH 1400 and 1405 credit may not receive credit for this course. Students who successfully complete this course with a C or better may enroll to take MATH 2200.

Prerequisite: MATH 0930 (C or better), or appropriate Math Placement exam score, or Math ACT of 23 or higher. This course is intended for the student with considerable prior exposure to trigonometry and algebra.

Lecture/Discussion

**MATH 2200 (35-112)****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.

Prerequisites: MATH 1405 (C or better), or MATH 1450 (C or better), or Math ACT of 27 or higher, or Math Placement Exam

Lecture/Discussion

**MATH 2205 (35-211)****CALCULUS II****Credit 5**

Topics to include differentiation of transcendental functions, techniques of integration, indeterminate forms, improper integrals, and infinite series.

Prerequisites: MATH 2200 (C or better)

Lecture/Discussion

**MATH 2210 (35-212)****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.

Prerequisites: MATH 2205 (C or better)

Lecture/Discussion

**MATH 2250 (35-250)****ELEMENTARY LINEAR ALGEBRA****Credit 3**

Topics include linear equations and matrices, vector spaces, linear transformations, determinants, orthogonality, eigenvalues, and eigenvectors.

Prerequisites: MATH 2205 (C or better) or Instructor Permission

Lecture/Discussion

**MATH 2300 (Cross reference to UW COSC 2300)**  
**DISCRETE STRUCTURES****Credit 3**

This course studies fundamental algebraic, logical, and combinatorial concepts from mathematics and applications to computer science. It reviews said algebra, mappings, relations; elements of the theory of the directed and undirected graphs; Boolean algebra and propositional logic.

Prerequisite: MATH 2200 (C or better), MATH 2350 (C or better), COSC 1030 or Instructors Permission

Corequisite: COSC 1030

Lecture

**MATH 2310 (35-260) (MATH 2400)**  
**APPLIED DIFFERENTIAL EQUATIONS**

**Credit 3**

Topics include methods of solutions of ordinary differential equations with emphasis on applications. Transforms and applications are also included.

Prerequisites: MATH 2205(C or better)

Lecture/Discussion

**MATH 2350 (35-106)**  
**BUSINESS CALCULUS I**

**Credit 4**

Units of study include a review of functions, their graphs and their algebra; derivatives and their applications, techniques of differentiation; the calculus for the exponential and logarithmic functions with applications to business; integration and applications; the trigonometric functions and their calculus; differential equations and applications.

Prerequisites: MATH 1400 (C or better) or equivalent, or Math ACT of 26 or higher

Lecture/Discussion

**MATH 2355 (35-206)**  
**BUSINESS CALCULUS II**

**Credit 4**

Units of study include functions of several variables, partial derivatives, optimization, Lagrange multipliers, least squares; techniques of integration; random variables; discrete and continuous distributions; linear systems and their solutions; other topics in linear algebra with applications.

Prerequisites: MATH 2350 (C or better)

Lecture/Discussion

## MEDICAL OFFICE ASSISTANT

**MOA 1710**  
**MOA FRONT OFFICE SOFTWARE**

**Credit 1**

This course will provide the student with a basic understanding of the role of the medical office assistant in using computer systems. Learning to apply computer technology with an understanding of MOA is an important part of the development of the student's office skills.

Prerequisites: Accepted into MOA Program

Lecture/Lab

## MINING TECHNOLOGY

**MINE 1500 (57-101)**  
**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.

Prerequisites: None

Lecture

**MINE 1600 (57-102)**  
**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.

Prerequisites: None

Lecture

**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.

Prerequisites: None

Lecture/discussion

**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.

Prerequisites: None

Lecture/Discussion

## 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.

Prerequisites: Music majors must be enrolled concurrently in applied lessons

Student performances

**MUSC 1000 (18-100)****INTRO. 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.

Prerequisites: None

Lecture/Discussion

**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

Lecture

**MUSC 1030, 1040 (18-101-102)****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.

Concurrent: MUSC 1035 and 1290

Lecture

**MUSC 1035, 1045 (18-111-112)****AURAL THEORY I & II****Credit 1**

The study of sight singing, ear training, keyboard harmony and diatonic harmony.

Concurrent: MUSC 1030, 1040

Laboratory

**MUSC 1058****MUSIC COMPOSERS****Credit 1**

This course provides the student with the general understanding of a specific composer and his music. The music style and sociological aspects of the particular musical period will be examined along with the composer's life, styles, and representative works. Through listening to musical compositions, students learn the basic forms and elements of this composer.

Prerequisites: None

Lecture/Field trip

**MUSC 1150 (18-135)****GUITAR I****Credit 2**

A study of basic fundamentals and application of guitar technique.

Practice/Laboratory

**MUSC 1290, 1291 (18-155-156)****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.

Lecture/Laboratory

**MUSC 1295, 1296 (18-157)****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

Laboratory/Skill

**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. This course will prepare a student to successfully perform songs within various styles and contexts. Group voice instruction based on music theatre materials will also be taught. Fundamental skills in vocal production will be studied and applied.

Prerequisite: None

Lecture/Laboratory

**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) after a brief review of the fundamentals (relaxation, alignment, breath, and placement of resonance). This course will facilitate 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. This course will prepare a student to successfully perform songs within various styles and contexts. There will be continued group voice instruction based on music theatre materials. Fundamental skills in vocal production will be enhanced as articulation and interpretation are studied and applied.

Prerequisite: MUSC 1373

Lecture/Laboratory

**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

Practice/Performance/Laboratory

**MUSC 1390 (18-140)**  
**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.

Prerequisites: Instructor Permission

Practice/Performance/Laboratory

**MUSC 1400 (18-130)**  
**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.

Prerequisites: Instructor Permission

Practice/Performance/Laboratory

**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.

Prerequisites: None

Lecture/Laboratory

**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.

Prerequisites: MUSC 1436 or Instructor Permission

Lecture/Laboratory

**MUSC 1450 (18-150)****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.

Prerequisites: Instructor Permission

Practice/Performance/Laboratory

**MUSC 1485****INSTRUMENTAL ENSEMBLE****Credit .5-1**

This course introduces ensemble literature, builds performance skills, and increases sensitivity in ensemble playing. Most importantly, the course emphasizes the technique of achieving a cohesive musical performance from several players.

Prerequisite: Instructor Permission

Practice/Performance/Laboratory

**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

Practice/Performance/Laboratory

**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

Lecture

**MUSC 2030, 2040 (18-201-202)****WRITTEN THEORY III & IV****Credit 3**

A continuation of MUSC 1040 with added work in harmonic analysis and with some consideration of contrapuntal techniques.

Prerequisites: MUSC 1040

Lecture/Discussion

**MUSC 2035, 2045 (18-211-212)****AURAL THEORY III & IV****Credit 1**

A continuation of MUSC 1045 incorporating instruction in harmonic analysis and contrapuntal techniques.

Prerequisites: MUSC 1045

Laboratory

**MUSC 2050, 2055 (18-151-152)****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 present and relates epochs in music to corresponding periods in other arts. Class to meet three hours each week.

Prerequisites: None

Lecture/Laboratory

**MUSC 2071-2078 (18-000)****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.

Prerequisites: Prior arrangements with instructor

Laboratory

**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

Lecture/Laboratory

**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

Lecture/Studio

**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

Lecture/Laboratory

**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

Lecture/Studio

**MUSC 2500****MUSIC PORTFOLIO****Credits 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.

Prerequisites: Must have completed 45 credit hours toward an AFA degree

Lecture/Discussion

**NURSING****NRST 1510 (NUR 1510) (61-100)****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.

Lecture/Lab/Clinical

**NRST 1610****NURSING I****Credit 9**

Nursing I students focus on providing safe, effective nursing care to clients with common, predictable problems. Nursing I students are introduced to the six goals of the nursing program and begin to apply each goal to maximize health potential. The six goals are divided into the art and science of nursing. The goals addressing the art are: Communicate Competently, See Issues From Multiple Perspective, and Develop Life Skills. The goals addressing the science are: Solve Problems, Retrieve Information, and Apply Therapeutic Nursing Interventions. Clinically, students receive direction from nursing faculty. Nursing theory as well as laboratory and clinical experiences provide the opportunity to apply the goals.

Prerequisite: admission to the program

Lecture/Lab/Clinical

**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

Lecture/Lab/Clinical



**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 Communicate Competently, Develop Life Skills, and Apply Therapeutic Nursing Interventions.

Prerequisite: NRST 1610 and NRST 1620

Lecture/Clinical

**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 Perspective, and Develop Life Skills. The goals addressing the science are: Solve Problems, Retrieve Information, and Apply Therapeutic Nursing Interventions. Clinically, students receive supervision from nursing faculty. Nursing theory as well as laboratory and clinical experiences provide the opportunity to apply the goals.

Prerequisite: NRST 1610 and NRST 1620 or Admission to Nursing Program as advanced placement

Lecture/Lab/Clinical

**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 Perspective, and Develop Life Skills. The goals addressing the science are: Solve Problems, Retrieve Information, and Apply Therapeutic Nursing Interventions. Clinically, students receive guidance from nursing faculty. Nursing theory as well as laboratory and clinical experiences provide the opportunity to apply the goals.

Prerequisite: NRST 2630

Lecture/Lab/Clinical

## OCCUPATIONAL THERAPY

**OCTH 2000****INTRODUCTION TO OCCUPATIONAL THERAPY****Credit 2**

This course is designed to introduce students to Occupational Therapy. The history, scope of practice, functions and objectives of occupational therapy will be addressed. This course will assist the student in determining if Occupational Therapy can provide the challenge and fulfillment of a career in the allied health field.

Prerequisites: None

Lecture/Discussion

## PHILOSOPHY

### **PHIL 1000 (10-101)**

#### **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, whether god exists, and what we can know about the nature of reality and of the mind.

Prerequisite: None

Lecture/discussion

### **PHIL 1100 (10-102)**

#### **CRITICAL THINKING**

**Credit 3**

This course features a study of principles of logic, and a reading and discussion of philosophers who employ these principles. The focus will be on teaching students the application of critical thinking skills.

### **PHIL 2300**

#### **ETHICS IN PRACTICE**

**Credit 3**

This course is designed to survey and evaluate basic ethical principles for the development of personal morality, professional ethics, and institutional policy with respect to contemporary biomedical issues, such as the definition of a person, determination of life and death, euthanasia, abortion and patient rights/responsibilities.

Prerequisite: None

Lecture/Case Study/Discussion

### **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 God and evil.

Prerequisite: PHIL 1000

Lecture/Discussion

### **PHIL 2315 (10-110)**

#### **COMPARATIVE RELIGIONS**

**Credit 3**

This course introduces students to seven major areas of religions, traditional religion in Africa; religions of India, China, and Japan, and Judaism, Christianity, and Islam. The course employs a variety of teaching strategies and styles, focusing on an essential aspect of each tradition.

Prerequisites: None

Lecture-Discussion

## 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		

**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.

Prerequisites: None

Laboratory/Skill

**PEAC 1012 (20-160)****BEGINNING SWIMMING****Credit 1**

This is a basic class designed to help eliminate the students' fear of the water as well as their ability to care for themselves in the water. It should increase the students' endurance and introduce them to additional coordinated movements in a logical and meaningful manner. The skills to be taught are the crawl stroke, elementary backstroke, survival float, diving techniques, breath control, and treading water techniques. Basic rescue skills and personal safety skills are also introduced. A Red Cross Advanced Beginning Swimmer card will be given to those who successfully complete this class.

Prerequisites: None

Laboratory/Skills

**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.

Prerequisites: Demonstrated Swim Skills

Lecture/Activity

**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: PEAC 1012 or demonstrated swim skills

Laboratory/Skill

**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: PEAC 1012 or demonstrated swim skills

Laboratory/Skill

**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

Laboratory/Skill

**PEAC 1030 (20-123)****DANCE AEROBICS I****Credit 1**

This is an activity course for beginners. This course is designed for people who have exercised little or none in the past, and those who do not desire a high impact exercise program. Aerobic Dance will include continuous rhythmic exercises to improve endurance, muscular strength, muscle tone, flexibility and balance. Both freestyle and choreographed routines will be used along with various other aerobic activities for cardiovascular conditioning.

Prerequisites: None

Laboratory/Skill

**PEAC 1032 (20-120)****AEROBIC CONDITIONING I****Credit 1**

An activity course using aerobic concepts to increase the endurance of the student. The class will stress continuing physical fitness and its effect on personal well-being.

Prerequisites: None

Laboratory/Skill

**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.

Laboratory/Skill

**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.

Laboratory/Skill

**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.

Prerequisites: None

Laboratory/Skill

**PEAC 1042  
SELF DEFENSE II****Credit 1**

This course serves as an intermediate level class where students will learn more advanced elements of all ranges including counter for counter drills, weapon disarms and safe and controlled sparring within all ranges. This class will be taught at a faster pace to help the student achieve better physical conditioning.

Prerequisites: PEAC 1041 or instructor permission

Laboratory/Skill

**PEAC 1043 (20-119)  
BEGINNING KARATE****Credit 1**

An activity course designed to improve physical fitness and to acquaint students to the theory of martial arts.

Prerequisites: None

Laboratory/Skill

**PEAC 1050 (20-115)  
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.

Prerequisites: None

Laboratory/Skill

**PEAC 1060  
IN-LINE SKATING****Credit 1**

In-line skating or roller blading is considered a recreational and competitive sport. Getting started, safety, maintenance of equipment and beginner skills will be introduced and practiced. As the student progresses more advanced skills will be taught. Safety, fun, and learning how to skate will be the three pillars of development. The course will also be geared toward how it can fit into an exercise regimen. Topics covered will include cross-training development for fitness and instructor certification programs.

Prerequisites: None

Laboratory/Skill

**PEAC 1253 (20-132)  
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.

Prerequisites: None

Laboratory/Skill

**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.

Prerequisites: None

Laboratory/Skill

**PEAC 1255 (20-104)****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.

Prerequisites: None

Laboratory/Skill

**PEAC 1258 (20-142)****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.

Laboratory/Skill

**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.

Lecture/Laboratory/Skill

**PEAC 1260 (20-102)****BEGINNING VOLLEYBALL****Credit 1**

Introduction fundamentals of volleyball to include rules, serving, spiking, setting, blocking and game strategy.

Prerequisites: None

Laboratory/Skill

**PEAC 1264 (20-106)****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.

Prerequisites: None

Laboratory/Skill

**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.

Prerequisites: None

Laboratory/Skill

**PEAC 1275****CIRCUIT WEIGHT TRAINING****Credit 1**

Circuit weight training involves a combination of muscular strength and endurance exercises performed in sequence at various exercise stations with little rest between. This manner of resistance training increases muscular strength and endurance while developing cardiovascular endurance as well. A variety of circuit programs are introduced throughout the semester. Skills in basic weight lifting are reinforced. No prior weight training experience is necessary. However, complete of PEAC 1273, Weight Training and Conditioning, is recommended.

Prerequisites: None

Laboratory/Skill

**PEAC 1276****HORSEBACK RIDING I****Credit 1**

This course will teach students how to handle and ride horses safely. Students will learn basic groundwork techniques and why they are important. Students will learn proper riding skills, such as the go forward cue and how to correctly stop your horse. Short lectures are included regarding eyesight, hearing, equine nutrition, hoof care, and dental care.

**This course does not meet the Health and Human Activity general education requirement for graduation.**

Prerequisite: None

Laboratory/Skill

**PEAC 1277****HORSEBACK RIDING II****Credit 1**

This course will teach students intermediate horsemanship techniques to include turns on forehand, haunches, side passes, and canter/lope. Students will perform groundwork techniques and learn why they are important. Short lectures are included regarding horses first aid, horse breeds, how horses think and learn, points of a horse and how the horse moves.

**This course does not meet the Health & Human Activity general education requirement for graduation.**

Prerequisite: PEAC 1276

Laboratory/Skill

**PEAC 1280****FLY FISHING TECHNIQUES****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. Weekend trips involved.

Prerequisites: None

Laboratory/Skill

**PEAC 1284****BACK COUNTRY HORSEMANSHIP****Credit 1**

This course introduces the student to the necessary equipment, safety and skills to be able to go into the mountains by horse or backpack. Students will learn basic planning of menus, equipment, supplies and packing for the trip. Students will get the opportunity to use and practice the knowledge and skills gained through weekend trips.

Prerequisites: None

Laboratory/Skill

**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.

Prerequisites: None

Laboratory/Skill

**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.

Lecture/discussion/field trip

**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.

Prerequisites: None

Laboratory/Skill

**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.

Prerequisites: None

Laboratory/Skill

**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.

Prerequisites: None

Laboratory/Skill



**PEAC 1310****BACK COUNTRY SKI AND CAMP****Credit 1**

This course is designed to provide the student with the knowledge and skills to feel confident and comfortable in the winter backcountry environment. Topics range from equipment selection, snow caves, emergency shelters, snow assessment, and skiing instruction. Skiing equipment, tents and food will be provided.

Laboratory/Skill

**PEAC 1320****BIG GAME ANIMAL HABITAT SKILLS****Credit 1**

This course will provide the student with the knowledge and skills to feel confident and comfortable in finding and identifying several species of Wyoming's big game animals in a backcountry environment. Primary emphasis is placed on the Rocky Mountain Elk, the recorded largest living subspecies, but will also include sections on Mule Deer, Antelope and Moose. Students are introduced to the necessary equipment, both primitive and modern, and the skills to blend them together. The use of horses in a remote setting is an essential part of the program.

Laboratory/Skill

**PEAC 1325****BEGINNING CANOE & KAYAKING TOURING****Credit 1**

This course offers students beginning canoe and kayak touring skills. The emphasis will be placed on safety, equipment, paddling techniques, and conditioning. There will be pool sessions as well as river trips. Students should be able to enter deep water (over the head) and float, swim or tread water unaided for three minutes.

Laboratory/Skill

**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.

Laboratory/Skill

**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.

Prerequisites: None

Laboratory/Skill

**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

Lecture/Lab

**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

Lecture/Lab

**PEAC 2012****ADVANCED SCUBA DIVING****Credit 1**

This course is for students who want to continue with their underwater education. A diver need not be advanced to take this course. This course will provide students with the opportunity to sharpen their scuba and safety skills. Five underwater divers 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, advanced diving procedures, aquatic biology, deep diving, and 5 open water dives. A lab fee will be required.

Laboratory/Skill

**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: None

Laboratory/Skill

**PEAC 2018****ADVANCED LIFESAVING****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

Laboratory/Skill

**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

Laboratory/Skill

**PEAC 2030 (20-124)****DANCE AEROBICS II****Credit 1**

This is an activities course that raises the heart rate and keeps it at a target level for twenty minutes or more to improve cardiovascular conditioning. Aerobic Dance will include dance exercises to improve endurance, muscular strength, muscle tone, flexibility, and balance.

Prerequisite: Students must be able to participate in 20-30 minutes of aerobic activity without exceeding their maximum heart rate. Therefore, all students' fitness will be measured in the first week. Students not physically ready will be asked to transfer to a more appropriate course.

Laboratory/Skill

**PEAC 2058 (20-143)****DOWNHILL SKIING II****Credit 1**

A more advanced downhill skiing course. Classroom portions include safety, equipment maintenance and skier responsibility code. All on the hill activity will be supervised by certified instructors. A special fee is charged which includes transportation, lift tickets, lodging and instruction. Student must provide his/her own equipment and meals.

Prerequisites: PEAC 1258 or Instructor Permission

Laboratory/Skill

**PEAC 2072 (20-139)****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.

Prerequisites: None

Laboratory/Skills

**PEAC 2085****MOUNTAIN WILDERNESS SKILLS****Credit 1**

This course will provide the student with the knowledge and skills to feel confident and comfortable in any back country environment. It introduces the student to the necessary equipment, both primitive and modern, and the skills to blend them together. The class has classroom and field portions with a possible overnight away from base camp. Two overnight trips will provide students with opportunities to use and practice the knowledge and skills they acquire.

**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.

Prerequisites: PEAC 1287

Laboratory/Skill

**VARSIY 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 class may be taken four times for credit.

Laboratory/skill

**PEAT 1050 (20-107)****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 class may be taken four times for credit.

Prerequisites: Instructor Permission

Laboratory/Skill

**PEAT 1060 (20-111)****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 class may be taken four times for credit.

Prerequisites: Instructor Permission

Laboratory/Skill

**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 class may be taken four times for credit.

Prerequisite: Instructor Permission

Laboratory/Skill

**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 Varsity Volleyball program. The course focuses on advanced skill development with emphasis on team progressions in volleyball. This class may be taken four times for credit.

Prerequisites: Instructor Permission

Laboratory/Skill

**PHYSICAL ED, PROFESSIONAL & EXERCISE SCIENCE****PEPR 1005 (20-201)****INTRO TO PHYSICAL EDUCATION****Credit 3**

This course consists of six topical units, namely: 1) objectives of physical education, 2) elementary school P.E., 3) secondary school P.E., 4) competitive athletics, 5) adapted P.E., and 6) alternative career opportunities. These topics were selected on their relevance to the P.E. profession and their predicted significance for prospective physical educators.

Prerequisites: None

Lecture

**PEPR 2091 (20-250)****SPORTS OFFICIATING I****Credit 2**

Provides students with an understanding of the rules governing various sports and seeks to encourage the ability to officiate.

Prerequisites: None

Lecture

**PEPR 2120****INTRO TO EXERCISE PHYSIOLOGY****Credit 3**

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

Lecture/Discussion

**PEPR 2130****FITNESS LEADERSHIP TRAINING****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

Lecture/Discussion

**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

Lecture

**PEPR 2170 (20-199)****THEORY & PRACTICE OF INDIVIDUAL SPORTS****Credit 2**

The purpose of this course is to teach the importance of individual sports in the school or recreation program, how to teach and officiate such sports, how to analyze and correct student's errors, and how to set up appropriate tournaments for individual sports.

Lecture

**PEPR 2180 (20-260)****ORGANIZATION & ADMIN. OF INTRAMURALS****Credit 3**

This course acquaints the student with the organization of an intramural program and discusses the ways to meet the student's needs.

Prerequisites: None

Lecture/Discussion

**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: PEPR 2130 or Concurrent Enrollment in PEPR 2130

Laboratory/Skill/Practicum

**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

Laboratory/Skill/Practicum

**PHYSICS****PHYS 1050 (36-100)****CONCEPTS IN 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.

Prerequisites or Concurrent: MATH 0920

Lecture/Discussion/Laboratory

**PHYS 1080, 1085 (36-121-222)****PRINCIPLES OF TECHNOLOGY I & II****Credit 4**

A two-semester course in applied Physics for vocational and technical students. Topics include force, work, rate, momentum, resistance, power, and potential and kinetic energy.

Prerequisites or Concurrent: TECH 1000

Lecture/Discussion

**PHYS 1090****FUNDAMENTALS OF THE PHYSICAL UNIVERSE****Credit 4**

Fundamental chemistry and physics principles applied to real life situations. Primarily for elementary education majors. Cross lists with CHEM 1090

Concurrent Course: EDCI 1440

Lecture/Laboratory

**PHYS 1110, 1120 (36-131-132)****GENERAL PHYSICS I & II****Credit 4 per semester**

A two-semester physics sequence without calculus. Topics include mechanics, heat, electricity, magnetism, optics, and a brief introduction to atomic physics. Students receiving credit for PHYS 1110 cannot receive credit for PHYS 1050.

Prerequisite: MATH 1405 or equivalent

Lecture/Discussion/Laboratory

**PHYS 1310, 1320 (36-211-212)****COLLEGE PHYSICS I & II****Credit 4 per semester**

A two-semester calculus-based fundamental physics course designed for Physics majors, Engineering students, and Mathematics majors. Topics include classical mechanics, thermodynamics, optics, electricity, and magnetism. With laboratory. Students who have completed PHYS 1110 & 1120 cannot receive credit for PHYS 1310 & 1320.

Prerequisites: MATH 2200

Concurrent Courses: MATH 2205

Lecture/Discussion with Demonstration/Lab

## PLANT OPERATOR

### **PLOP 1510**

#### **PLANT OPERATOR I**

**Credit 3**

Basic scientific principles and their application in a process facility are introduced in this course, along with units of measurement for length, time, mass, pressure, temperature, flow and level. The relationship between force and motion, the definition of work, and the relationship of work to energy are also covered. In addition, mechanical advantages are used in process equipment. This course will cover the operator's responsibility, math, process sampling, environmental protection, basic equipment such as valves, pumps and piping and troubleshooting skills.

Prerequisites: None

Lecture/Laboratory

### **PLOP 1520**

#### **PLANT OPERATOR II**

**Credit 3**

This course will cover the handling of fluids in a process. It will cover the use of valves, pumps, filtration, heat exchanges, water treatment and compressors. It will cover the operation, troubleshooting and interaction of these components with the rest of the plant.

Prerequisites: PLOP 1510

Lecture/Laboratory

### **PLOP 1530**

#### **PLANT OPERATOR III**

**Credit 3**

This course will cover the process used in industry, such as the methods used in the separation of materials, heat transfer, measurements of flow, pressure and temperature. We will also cover methods of handling materials, conveyors, tank cars and bulk trucks. This course will also cover the operation of the boilers, basic principles, combustion, water instrumentation, start-up and shut down as well as safety.

Prerequisites: PLOP 1520

Lecture/Laboratory

## POLITICAL SCIENCE

### **POLS 1000 (25-100)**

#### **AMERICAN & WYOMING GOVERNMENT**

**Credit 3**

This one-semester 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.

Prerequisites: None

Lecture/Discussion/Films

### **POLS 1200 (25-210)**

#### **NON-WESTERN POLITICAL CULTURES**

**Credit 4**

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. The course will be composed of in-depth case studies of selected nations from different non-western regions of the World.

Lecture/Discussion/Films

### **POLS 2000 (25-110)**

#### **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.

Prerequisites: None

Lecture/Discussion/Films

**POLS 2050 (25-120)****AMERICAN POLITICAL PARTIES & ELECTIONS****Credit 3**

Rise of political parties, their structure, operation, control and political importance. Special attention is given to the changing role of political parties in elections: voter turnout; party preference and voting behavior; nomination of candidates; raising and spending money; media and the campaign; rules governing voting and designation of the winners. This course is usually offered on even years during the fall state and federal election campaigns. Students are encouraged to participate in or observe local party activities and local election campaigns.

Prerequisites: POLS 1000 or Instructor Permission

Lecture/Discussion/Films/

Participation-Observation Projects

**POLS 2128****TERRORISM****Credit 3**

This course deals with one of the most distressing problems of modern time: the accomplishment of political objectives by suing 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.

Prerequisites: None

Lecture/Film/Videos/Discussion

**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.

Prerequisites: None

Lecture/Discussion

**POLS 2310 (25-210)****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.

Prerequisites: None

Lecture/Film/Discussion

**POLS 2320****MODERN MEXICO: POLITICS AND SOCIETY****Credit 3**

This political science course will provide the beginning student with an in-depth examination of Mexican society and politics. Students will be introduced to the social and political organization of Mexico. Attention will be given to social variables, such as education, wealth, place of residence, gender and age, that impact perceptions of life chances and choices. An attempt will also be made to understand how Mexicans look at the world. We will study some of the major issues in Mexico today. The course will conclude with a role playing exercise that requires students to think about different political and economic futures open to Mexico and the priorities and choices required for each.

Prerequisites: None

Lecture



**POLS 2420****WOMEN AND POLITICS****Credit 3**

This course provides an historical overview of the involvement of women in politics in the U.S. This course will also introduce theoretical perspectives on feminism and examine the role and status of women in the government institutions in comparison to other societies. Current issues regarding the political, economic and social status of women in the U.S. will also be discussed.  
Lecture/Discussion

**POLS 2465 (25-240)****RESEARCH METHODS IN POLITICAL SCIENCE****Credit 3**

An introduction to the variety of research techniques in social sciences and to the various methods of data gathering and evidence evaluation.  
Lecture/Discussion

**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.)

Prerequisites: POLS 1000 or Instructor Permission

Laboratory/Skill/Practicum

## PSYCHOLOGY

**PSYC 1000 (26-101)****GENERAL PSYCHOLOGY****Credit 4**

General Psychology is designed to introduce the field of psychology. Emphasis is placed upon the student's understanding of basic psychology principles and concepts. The student will gain knowledge of the underlying theory and come to realize that psychological findings are based upon scientific facts.

Prerequisites: None

Lecture/Discussion

**PSYC 1050 (26-100)****HUMAN PSYCHOLOGY****Credit 2**

This is an applied theory and concepts course focused on psychological and counseling themes. The course is designed to examine developmental and life skill themes. Students are required to actively discuss, apply, and participate.

Prerequisites: None

Lecture/Discussion

**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

Lecture

**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.

Prerequisites: None

Lecture/discussion

**PSYC 1310****HUMAN SERVICE TRAINING****Credit 2**

This course is intended for students planning to work in a Human Service related field. This freshman level training development course focuses on basic training techniques used in the classroom for the adult student. Participants will also be provided techniques in dealing with an adult student using the one-to-one concept of learning. Topics include dealing with aggressiveness in group situations, importance of body language, developing lesson plans, and writing measurable objectives.

Prerequisites: None

Lecture/Discussion/demonstration

**PSYC 1320****HUMAN SERVICE WORKER****Credit 3**

Participants attending this course will gain an insight on the difficulties of those who have a mental illness. The student will be provided with basic communication techniques that are useful when dealing with the mentally ill. Many of the psychiatric disorders will be discussed in this course as well as the side effects of psychotropic medications used by the mentally ill. The role of the Human Service Specialist as it relates to the patient and a treatment team will be addressed along with the responsibilities of the social worker, psychologist, psychiatrist, nurse and others who make up the treatment team within a psychiatric hospital setting.

Prerequisites: None

Lecture/Discussion

**PSYC 2000 (26-103)****RESEARCH PSYCHOLOGY METHODS****Credit 4**

This class will introduce students to some of the methods used to investigate psychological questions. It will expose the student to various research strategies used in psychology. Among the research strategies students will be introduced to are: observational and experimental methods, and a basic introduction to laboratory exercises.

Prerequisites: PSYC 1000

Lecture/Discussion

**PSYC 2040 (26-260)****ANIMAL BEHAVIOR****Credit 3**

This course will broaden the scope of the psychology major and those students interested in the study of comparative animal behavior. The student will become aware of the implications associated with the evolution of behavior.

Prerequisite: PSYC 1000 and 2000, or one course in Biology/Zoology

Lecture/Field Work

**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

Lecture

**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 Biology and Psychology

Lecture/Lab

**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.

Prerequisites: None

Lecture/Discussion

**PSYC 2300****DEVELOPMENTAL PSYCHOLOGY****Credit 3**

This course is an overview of the growth and development from conception through adolescence. Psychological development includes physical, cognitive and social changes from conception to old age and major theories and research will be surveyed.

Prerequisites: PSYC 1000

Lecture/Discussion

**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

Lecture/Discussion

**PSYC 2340 (26-210)****ABNORMAL PSYCHOLOGY I****Credit 3**

An introduction to the diagnosis and treatment of abnormal or maladaptive behavior. This course will examine the psychodynamic, behaviorist, and humanist points of view.

Prerequisites: PSYC 1000

Lecture/Discussion

**PSYC 2380 (26-280)****SOCIAL PSYCHOLOGY I****Credit 3**

Psychology 2380 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

Lecture/Discussion

**PSYC 2470 (26-296)****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.

Prerequisites: Instructor Permission

Laboratory/Skill/Practicum

**SOCIOLOGY****SOC 1000 (27-101)****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.

Prerequisites: None

Lecture/Films/Discussion

**SOC 1080 (27-150) – (Cross reference to UWWMST 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.

Prerequisites: None

Lecture/Discussion

**SOC 1100 (27-102)****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.

Prerequisites: None

Lecture/Films/Discussion

**SOC 1200 (27-110)****INTRO TO SOCIAL WORK****Credit 3 or 4\***

This course introduces students to the field of social work and social welfare. It is aimed both at those who are considering social work as their major as well as those who have no such interest, but who will need to understand social work either as citizens who support it or as clients who use its services. Thus, the course is designed to help students understand social welfare programs as a part of a major social system responding to major social problems in our society. The profession of social work is presented as a part of the larger social welfare system. Students are given an overview of the special characteristics of social work such as its values, methods, and fields of practice. By the conclusion of the course, it is expected that students will have a comprehensive view of the major components of the field of social work and of the social welfare system. They will have been introduced to major social issues of the day and will have an understanding of social work as a profession.

\*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.

Lecture/Discussion

**SOC 1300 (27-103)****INTRO TO CULTURAL SOCIOLOGY****Credit 3**

This introductory course in Cultural Sociology has a multi-cultural education emphasis that prepares students to understand the social, political, and economic realities that individuals experience in culturally diverse human encounters. This course is designed to enlighten the prospective teacher of some uncommon characteristics of self concept, ethnic characteristics, mannerisms and cultures of minorities and how to develop teaching skills to deal with these issues.

The course is designed as a working group seminar to enhance skills in communication between ethnic minorities (visible and non-visible) and non-ethnic minorities.

Prerequisites: None

Lecture/Discussion

**SOC 2200****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

Lecture/discussion

**SOC 2325 (27-130)****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.

Prerequisites: None

Lecture/Discussion

**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.

Prerequisites: None

Lecture/Discussion

**SOC 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.

Crosslists with CRMJ 2400

Prerequisites: None

Lecture/discussion

**SOC 2470****INTERNSHIP: SOCIOLOGY****Credit 1-4****SPANISH****SPAN 1010****FIRSTYEAR SPANISH I****Credit 4**

This beginning level course introduces the fundamentals of grammar, composition, conversation and reading. (Offered fall only on-campus)

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.

Lecture/Discussion

**SPAN 1020****FIRSTYEAR 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. (Offered spring only on-campus)

Lecture/Discussion

**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.

Lecture/Discussion

**SPAN 2030****SECONDYEAR SPANISH I****Credit 4**

This course includes grammar review and study, composition, conversation and reading of short stories, dramas and poems. (Offered Fall only on-campus)

Prerequisites: SPAN 1020 or successful completion of three years of high school Spanish or the equivalent.

Lecture/Discussion

**SPAN 2040****SECONDYEAR SPANISH II****Credit 4**

This course includes grammar review and study, composition, conversation and reading of short stories, dramas and poems. (Offered Spring only on campus).

Prerequisite: SPAN 2030 or successful completion of four years of high school Spanish or the equivalent.

Lecture/Discussion

**SPAN 2300 (14-295)****SPANISH COMPOSITION and CONVERSATION****Credit 1-4**

This course is designed for those students who have completed language courses on the intermediate level and who wish to continue their study of reading, conversation and writing. It can also be taken simultaneously with second year courses to improve language skills. The course is also open to students who have some knowledge of the target language.

Prerequisites: Instructor Permission

Lecture/Discussion

## STATISTICS

**STAT 2010****STATISTICAL CONCEPTS FOR BUSINESS & MANAGEMENT I****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, MATH 1200, MATH 1400, MATH 1405, or MATH 1450 or Placement into MATH 2200 via the COMPASS or ACT scores.

Lecture/discussion

**STAT 2050 (35-221)****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, MATH 1200, MATH 1400, MATH 1405, or MATH 1450 or Placement into MATH 2200 via the COMPASS or ACT scores.

Lecture/Discussion

**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, MATH 1200, MATH 1400, MATH 1405, or MATH 1450 or Placement into MATH 2200 via the COMPASS or ACT scores.

Lectures/Discussion

## 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: COMPASS score of 32

Lecture

**TECH 1510, 1520****1<sup>st</sup> YR PLUMBING/PIPEFITTING APPRENTICESHIP I & II****Credit 5**

This course will give the first year apprentice the basic skills in shielded metal arc welding, a knowledge of rigging and signaling, fundamentals for solving math problems for taking pipe measurements and the ability to understanding technical and isometric drawings.

Prerequisites: First year plumbing/pipefitting or approved credit by JATC. Entry into this program is through the Bureau of Apprenticeship and Training, US Department of Labor. Registered and approved program and selection process. Students must take 1510 prior to 1520  
Lecture/Laboratory

**TECH 1530, 1540****2<sup>nd</sup> YR PLUMBING/PIPEFITTING APPRENTICESHIP III & IV****Credit 5**

This course will give the second year apprentice the skills in shielded metal arc welding. An introduction to matter, liquids, hydraulics and the science required to understand the work of the pipe trades, as well as the ability to understand building plans and drawings. TECH 1540 will provide each apprentice with instruction in basic electricity and its practical application on the job, as well as a knowledge of operation and application of electric controls training in shielded metal arc welding. Students must complete 1530 before 1540.

Prerequisites: TECH 1520  
Lecture/Laboratory

**TECH 1550 (55-100) (MCH 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.

Prerequisites: None  
Lecture

**TECH 1560, 1570****3<sup>rd</sup> YR PLUMBING/PIPEFITTING APPRENTICESHIP V & VI****Credit 5**

This course will give the third year apprentice the skills in shielded metal arc welding, training in offset measurements, water supply, water treatment, water mains, water supply systems, cross connections, hot water supply, valves and pumps, and pumps and steam systems. TECH 1560 will add drainage–sewage disposal, sewers and drains, building drainage systems, plumbing trap and vents and hydronic systems and steam systems. Students must complete 1560 before 1570.

Prerequisites: TECH 1540  
Lecture/Laboratory

**TECH 1580, 1590****4<sup>th</sup> YR PLUMBING/PIPEFITTING APPRENTICESHIP VII & VIII****Credit 5**

This course will give the fourth year apprentice skills in pipe welding, pipe drafting and blueprint reading, plumbing fixtures and installation practices, natural gas and LP gas systems applications. TECH 1590 will add operation of pneumatic control, hydronic heating and cooling systems, use and operation of pneumatic control and metal arc pipe welding. Students must complete 1580 before 1590.

Prerequisites: TECH 1570  
Lecture/Laboratory



**TECH 1600****INDUSTRIAL SAFETY (INDM 1600)****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.

Prerequisites: None

Lecture

**TECH 1610, 1620****5<sup>th</sup> YR PLUMBING/PIPEFITTING APPRENTICESHIP IX & X****Credit 5**

This course will give the fifth year apprentice a solid understanding in the use of the builders level-transit as it pertains to the installation of a piping system. Students will acquire the general know-how and theory that is needed to properly use testing and measuring instruments. TECH 1620 covers installation of medical gas piping systems, knowledge and understanding concerning steam generating plans, nuclear power plants, crude units and refining processes. Students must complete 1610 before 1620.

Prerequisites: TECH 1590

Lecture

**TECH 1680 (55-104) (MCH 1680)****BLUEPRINT READING****Credit 3**

This class covers reading and interpretation of machine shop drawings and basic sketching without the use of instruments.

Prerequisites: None

Lecture

**TECH 1830 (ELTR 1830)****STUDIES IN INDUSTRIAL PROCESSES****Credit 3**

This course will cover the rapid growing technologies such as those found in the plastics and aerospace industries. We will not only discuss the specific materials and processes of manufacturing, but also show how these materials and processes are integrated into today's functioning manufacturing industry. This course does not provide a hands-on instruction system for the operation of machinery or the use of hand tools. This course will cover frequently used materials such as metals, plastics, and rubbers which will be identified and classified, and also how they are extracted from raw materials. Also, this course will cover the manufacturing process including casting, cold and hot rolling, forming forging, plastics molding and joining of materials.

Prerequisites: None

Lecture

## 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 1000 (17-130)**  
**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.  
 Lecture/Discussion

**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.

Prerequisites: None.

Concurrent enrollment in THEA 1035

Lecture

**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.

Prerequisites: None

Concurrent enrollment in THEA 1030

Lecture/Lab

**THEA 1100 (17-120)**  
**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.

Lecture/Performance

**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.

Prerequisites: THEA 1100

Lecture

**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.

Prerequisites: None

Lecture

**THEA 1200 (17-161)**  
**SCENOGRAPHICS I**

**Credit 2**

This course is designed to introduce students to basic theatre drafting techniques.

Prerequisites: None

Lecture/Lab

**THEA 1300 (20-145)****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.

Laboratory/Skill

**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.

Prerequisites: None

Lab

**THEA 1410 (20-126)****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.

Prerequisites: None

Laboratory/Skill

**THEA 1420 (20-127)****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

Laboratory/Skill

**THEA 1430 (20-128)****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.

Prerequisites: None

Laboratory/Skill

**THEA 1440 (20-129)****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.

Prerequisites: THEA 1430 or Instructor Permission

Laboratory/Skill

**THEA 1450 (20-130)****TAP DANCE****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.

Prerequisites: None

Laboratory/Skill

**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

Prerequisites: Instructor Permission

Laboratory

**THEA 1480 (20-125)****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.

Prerequisites: None

Laboratory/Skill

**THEA 1500-1505 (20-134-137)****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.)

Co-requisites: Currently enrolled in a Technique class.

Laboratory/Skill

**THEA 2050-2055 (17-150-153)****THEATRE PRACTICE I-VI****Credit 1 - 3**

This course provides practical experience for students interested in participating in college-sponsored drama activities and production. Areas of interest include stagecraft, lighting and technical support as well as acting. Students will be required to perform 30 lab hours for each credit hour. (May count 4 sections toward graduation.)

Prerequisites: Instructor Permission

Corequisite: THEA 1460 when a musical is being produced.

Practicum/Laboratory

**THEA 2120****ORAL INTERPRETATION****Credit 3**

Students will perform prose, poetry, and drama utilizing interpretive skills. Students will analyze form and content as it relates to performance. Students will gain experience with many types of repertoire as well as the physical techniques necessary to execute interpretive performances.

Lecture/Demonstration

**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

Lecture/Laboratory

**THEA 2148 (17-162)**  
**SCENOGRAPHICS II****Credit 2**

This course is designed to develop basic theatre drafting techniques acquired in Scenographics I and apply them to perspective drawings.

Prerequisite: THEA 1200

Laboratory/Skill

**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

Lecture

**THEA 2160 (17-140)**  
**STAGE MAKE-UP****Credit 2**

This class is designed to teach students fundamental techniques in stage make-up design and application.

Prerequisites: None

Lecture/Lab

**THEA 2215 (20-205)**  
**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.

Prerequisites: Instructor Permission

Laboratory/Skill

**THEA 2220 (17-160)**  
**STAGECRAFT****Credit 3**

A study of fundamental skills and concepts necessary to create a theatrical environment utilizing image and function.

Prerequisites: None

Lecture

**THEA 2230 (17-261)**  
**STAGE LIGHTING****Credit 3**

A study of stage lighting equipment and basic design concepts for lighting a play.

Prerequisites: None

Lecture

**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 (20-127), 2420****BALLET III/II, & III/II****Credit 1**

Continuation of the study of fundamental ballet technique utilizing barre work, center work, more advanced enchainments, and ballet terminology. May be used for applied arts credit.

Prerequisites: THEA 1410 or Instructor Permission

Laboratory/Skill

**THEA 2430, 2440 (20-140, 141)****MODERN DANCE III/II & III/II****Credit 1**

The study of intermediate modern dance technique with emphasis on complex combinations and increasing physical demands on the body. Four laboratory hours per week. May be used for applied arts credit.

Prerequisites: THEA 1430, THEA 1480 or Instructor Permission

Laboratory/Skill

**THEA 2480 (20-144)****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.

Prerequisites: THEA 1480 or Instructor Permission

Laboratory/Skill

**THEA 2500****THEATRE 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.

Prerequisites: Must have completed 45 credit hours toward an AFA degree

Lecture/Discussion

**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.

Prerequisites: None

Lecture/Lab

**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 2610

Lecture/Laboratory

**THEA 2620****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.

Prerequisites: THEA 2610

Lecture/Lab

**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

## WELDING TECHNOLOGY

All welding classes are taught as flex-entry/flex-exit blocks. Letter grade or satisfactory/unsatisfactory option. S/U grades may not be used to fulfill graduation requirements.

**WELD 1710 (56-101)****OXYACETYLENE WELDING****Credit 2**

The student will develop welding safety and good shop practice skills. Topics of study include: Oxyacetylene welding on mild steel; oxyacetylene cutting with a hand-held torch, straight line track burner and coordinate drive shape burner; and oxyacetylene braze welding. This self-paced course is offered three times a day: morning, afternoon and evening. Students may attend any lab session they wish.

Prerequisites: None

Competency Based Instruction in Welding Lab; Flex Entry/Flex Exit

**WELD 1715****OXYACETYLENE CUTTING****Credit 1**

The student will develop welding safety and good shop practice skills. Topics of study include, Oxygen/Gas Flame Cutting including cutting with the hand held torch, straight line track burner, coordinate shape cutter, circle burners and pipe beveling.

Prerequisites: None

Competency Based Instruction in Welding Lab; Flex Entry/Flex Exit

Lecture/Laboratory

**WELD 1755 (56-102) (WELD 1750)****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.

Prerequisites: None

Competency Based Instruction in Welding Lab; Flex Entry/Flex Exit

**WELD 1760 (56-103)****ADV. SHIELDED METAL ARC WELDING****Credit 3**

The student should be able to weld lap joints and tee joints in the horizontal position with E-7024. The student should be able to weld lap joints and multi-pass tee joints in the vertical and overhead positions with E-7018 and E-6010. The student should become familiar with arc cutting/gouging and be able to perform hardfacing in the horizontal and flat positions.

Prerequisites: WELD 1755 or Instructor Permission

Competency Based Instruction in Welding Lab; Flex Entry/Flex Exit

**WELD 1770****GAS METAL ARC WELDING (56-203)****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-groove butt joints on mild steel and aluminum.

Prerequisites: WELD 1840 or Instructor Permission

Competency Based Instruction in Welding Lab; Flex Entry/Flex Exit

**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/CO<sub>2</sub> shielding gas.

Prerequisites: WELD 1770 or Instructor Permission

Competency Based Instruction in Welding Lab; Flex Entry/Flex Exit

**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/CO<sub>2</sub> shielding gas.

Prerequisites: WELD 1774

Competency Based Instruction in Welding Lab; Flex Entry/Flex Exit



**WELD 1780 (56-204) (WELD 2640)  
GASTUNGSTEN ARC WELDING - PLATE****Credit 3**

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  
Competency Based Instruction in Welding Lab; Flex Entry/Flex Exit

**WELD 1840 (56-104)  
GROOVE WELDING PLATE****Credit 3**

The student will learn to weld open butt V-groove joints in the flat, horizontal, and overhead positions with E-6010. The student will also do all position open butt V-groove joints with E-6010 roots and E-7018 filler and cover passes. Open-root corner joints will also be done with E-6010 roots and E-7018 filler passes. The student will learn to recognize common weld defects and ways to eliminate them. This course also covers an introduction to welding symbols and Plasma-Arc cutting.

Prerequisites: WELD 1760 or Instructor Permission  
Competency Based Instruction in Welding Lab; Flex Entry/Flex Exit

**WELD 1860 (56-201)  
WELDING FABRICATION****Credit 3**

This course is designed to provide the student with the necessary skills and knowledge for plate layout and fit up. Topics of study include: parallel line, triangulation line, and radial line layouts. The student will be able to read and identify symbols associated with welding and dimension and interpret technical and working drawings.

Prerequisites: WELD 1840 or Instructor Permission  
Lecture/Laboratory

**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.

Competency Based Instruction in the Welding Lab; Flex Entry/Flex Exit  
Prerequisites: WELD 1760

**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 1770  
Competency Based Instruction in Welding Lab; Flex Entry/Flex Exit

**WELD 2510 (56-105)****PIPE WELDING I: SCHEDULE 40 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. The student should be able to differentiate between basic categories of pipe welding, identify pipe welding qualification positions, learn safety requirements for pipe welding, select proper electrodes for pipe welding, discuss joint preparation, learn the methods of non-destructive and destructive weld testing. The student will be able to bevel and prepare pipe for welding, and weld to specifications V-groove joints on schedule 40 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.

Prerequisites: WELD 1840 or Instructor Permission

Competency Based Instruction in Welding Lab; Flex Entry/Flex Exit

**WELD 2520 (56-106)****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

Competency Based Instruction in Welding Lab; Flex Entry/Flex Exit

**WELD 2530****DOWNHILL PIPE WELDING****Credit 3**

The student will weld to specifications V-groove joints on schedule 40 pipe in the 2G, 5G and 6G positions. The student will also show the ability to fit-up and weld an 8-on-8 pipe T to code specifications. The SMAW process will be used and E-6010 will be used on the root and hot passes and E-7010 will be used on all filler and cap passes.

Prerequisites: WELD 1860 or Instructor Permission

Competency Based Instruction in Welding Lab; Flex Entry/Flex Exit

**WELD 2540 (56-202)****PIPE LAYOUT & FABRICATION****Credit 4**

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 pipe layout and fabrication. Projects include two piece 90 degree elbow, three piece 90 degree elbow, bull plugs, orange peels, tees, reducing tees, crosses, laterals, true Y, and reducers. The student will learn to use the hand held cutting torch to make bevel cuts that require extreme accuracy.

Prerequisites: WELD 2520 or Instructor Permission

Competency Based Instruction in Welding Lab; Flex Entry/Flex Exit

**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.

Lecture/Laboratory

**WELD 2635****WELDING FOR THE ARTS II****Credit 3**

This course is a continuation of Welding for the Arts I.

Lecture/Laboratory

**WELD 2650 (56-205)****GASTUNGSTEN 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 welding 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

Competency Based Instruction in Welding Lab; Flex Entry/Flex Exit

**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

Competency Based Instruction in Welding Lab; Flex Entry/Flex Exit

**WELD 2670****WELDING INSPECTION TECHNOLOGY****Credit 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

Lecture/Laboratory

**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.

Prerequisites: None

Lecture/Lab

## 2004-2005 FACULTY AND ADMINISTRATION

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BATES, Susan .....	Human Dev.	GATES, Sara .....	Physical Education
BEACH, John .....	Communication	GUTIERREZ, Dave ..	Art/Communications
BERRETT, Helen .....	Music	HAFNER, Cynthia .....	Physical Education
BLOUNT, Penny .....	Nursing	HAGER, Richard .....	Physical Education
BOESE, Deborah .....	Philosophy	HANSEN, Kris .....	Music
BONOMO, Mike .....	Engineering	HARRIS, Al .....	Physical Education
BORZEA, Melissa* .....	Psychology	HARRIS, Stephanie Jane.....	Occupational Therapy
BRITTON, Scott* .....	Physical Education	HARTON, Steve.....	Legal Assist./Bus. Law
BRUCE, Kathleen .....	Education	HEMENOVER, Shawn .....	Technology
BRUNELLI, Cecily .....	Human Dev.	HORST, Robert .....	Business Technology
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CHENEY, Rose Marie .....	Math	JACOBSEN, Christine .....	Music
CISCAR, Maryls* .....	Music	JASSMAN, Thomas ..	Physical Education
CLAMAN, Dennis .....	Criminal Justice	KATHKA, Dave .....	History
COMPTON, Debra .....	Nursing	KIGGINS, Sondra .....	CNA
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Teacher's College

M.L.S. - University of Arizona

# TECHNOLOGY & INDUSTRY ADVISORY COUNCILS



## Automotive/Diesel

Tim Blossom  
John Bodenhagen, Bridger Coal Company  
Ed Bowdish, Macy's Truck Repair  
Tom Boone, Schlumberger  
Gordon Gunter, GT Machine  
Kael Jasperson, K-Motive  
Bruce Macy, Macy's Truck Repair  
Scott McCurtain, McCurtain Motors  
Mike Moon, Jack B. Kelley, Inc.  
Jim Richardson, Chester's Automotive &  
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Wade Wollman, Cummins Intermountain Inc.

## Electricity/Electronics/ Instrumentation

Scott Baker, Solvay  
Bill Bonini, FMC  
Ken Boyle, General Chemical  
Rich Darnell, Jim Bridger Power Plant  
John Doak, General Chemical  
John Hartman  
Mike Overy, Pacific Power & Light  
Adrian Parkyn, FMC Corporation  
Pete Pitsch, School District #1  
Phil Richie, Jim Bridger Power Plant  
Ray Smallwood, IBEW  
Russ Smith, FMC Corporation  
Dean Stover, FMC Corporation  
Mike Tervort, FMC Corporation

## Industrial Maintenance

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Gary Gomez, OCI of Wyoming  
Rodney Hensley, Pacific Power  
Roger Hoops, OCI  
Larry Jeffries, General Chemical  
Rip Murphy, Church & Dwight Company  
Adrian Parkyn, FMC  
Phil Richie, Jim Bridger Power Plant  
Gary Slauch, General Chemical  
John Sparks, Pacific Power (Kemmerer)  
Mike Wilkinson, Solvay Minerals, Inc.  
Mary Willery, Exxon Co., USA (Shute Creek)

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John Isaacson, AirGas  
Kevin Peretti, Questar Gas  
Reed Robbins, OCI of Wyoming  
Gordon Gunter, Green River High School

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Dennis Jereb, Anadarko  
Doug McCuddy, OCI  
Keith Merkley, Exxon Co., USA (Shute Creek)  
Tim Mullens, Exxon Co., USA (Shute Creek)  
Paul Parker, Church & Dwight  
Danny Skorcz, Duke Energy Field Services

## INDEX

## A

Academic Alert Status .....	39
Academic Calendar .....	Inside Front Cover
Academic Forgiveness .....	40
Academic Grievance .....	46
Academic Honors .....	39
Academic Policies .....	38
Academic Programs .....	63
Academic Standing .....	39
Academic Standards for Financial Aid	
Recipients .....	18
Accessibility .....	24
Accounting .....	75, 76, 141
Accreditation .....	6
Adding Courses .....	41
Adjunct Faculty .....	268
Administration .....	4, 263
Administrative Assistant .....	83
Admission Requirements .....	8
Admissions .....	8
Advising .....	11
After Western .....	61
Americans With Disabilities Act ...	24, 31
Anthropology .....	121, 142
Application for Graduation .....	48
Archaeology .....	121
Art, Visual .....	89, 144
Assesment Requirement .....	49
Associate Degree in Nursing .....	52, 98
Astronomy .....	149
Athletics .....	35, 237
Attending Class .....	40
Auditing Courses .....	41
Automotive Technology .....	128, 150

## B

Basic Skills .....	153, 172
Biology .....	115, 155
Biological Sciences .....	155
Board of Trustees .....	4
Bookstore .....	33
Botany .....	157
Business .....	75, 158
Business Administration .....	77, 158
Business Office Technology .....	159

## C

Campus Map .....	Inside Back Cover
Candidates for Certificates .....	49
Career Development .....	160
Career Guidance Services .....	30
Career and Job Placement Services .....	31
Career and Resource Library .....	30
Ceramics .....	90, 148
Certificates .....	64
Change of Grades .....	46
Cheating and Plagiarism .....	41
Chemistry .....	115, 161
Children's Center .....	33
Class Standing .....	41
Clerk/Typist .....	83
College History .....	3
College Preparation Classes .....	172
Commencement .....	49
Community Service .....	27, 35
Communication .....	110, 163
COMPASS Placement Test .....	10
Computer Applications (CMAP) Lab ..	81
Computer Applications .....	81, 166
Computer Information Systems .....	78
Computer Science .....	78, 169
Continuing Education .....	27, 35
Cooperative Education .....	32, 65
Costs of Attending .....	24
Counseling Services .....	30
Course Descriptions .....	136-261
Course Fees .....	25
Course Loads .....	41
Course Numbering System .....	72, 138
Course Prerequisites .....	41
Course Types .....	139
Credit by Examination .....	13
Credit for Extra-Institutional Learning ...	12
Criminal Justice .....	122, 170

## D

Dance .....	90, 251
Degree Index .....	71
Degree or Certificate Students .....	8
Degrees and Certificates Offered .....	48
Dental Hygiene .....	107
Departmental Internships .....	66
Developmental Studies .....	29, 172, 174
Diesel and Heavy Equip Maint. ....	129
Diesel Technology .....	128, 179
Directory Information .....	23
Disability Services .....	31
Dropping Courses .....	41

## E

Early Childhood Education .....	85
Economics .....	79, 181
Education .....	84, 181
Electrical Apprenticeship .....	186
Electricity/Electronics/Instrumentation Technology .....	129, 188
Engineering .....	116, 192
English .....	111, 193
English As A Second Language .....	87
Environmental Science .....	118
Equal Opportunity And Affirmative Action .....	24
Estimated Annual Cost .....	24
Exercise Science .....	96, 239
Extended Education .....	37

## F

Facility Use .....	35
Faculty and Administration .....	263
Federal Aid Programs .....	16, 21
Final Examinations .....	44
Finance .....	196
Financial Aid .....	15
Fine Arts .....	89
Fitness Leadership .....	96
Foreign Language .....	197
French .....	197

## G

GED Preparation .....	30
General Information .....	1
General Education Courses .....	54-60
General Requirements for Degrees or Certificates .....	48
General Studies .....	73, 74
Geography .....	122
Geography and Recreation .....	198
Geology .....	118, 199
German .....	197
Goals For Student Success .....	68
Governance and Administration .....	4
Grade Point Average .....	44
Grade Reports .....	45
Grades - Incompletes .....	43
Grading System .....	43
Graduation Ceremony .....	49
Graduation Information .....	48
Green River Center .....	36
Grievance Procedures .....	48
Guidelines for Waiving Course Fees for Outreach .....	27
Guiding Principles .....	2

## H

Handicapped Accessibility .....	24
Hands-On Learning Experiences .....	65
Hay Library .....	34
Health Education .....	200
Health Sciences .....	96
Health Science General .....	201
High School Students .....	9
History .....	122, 202
Home Economics/Nutrition .....	201
Honor Roll .....	39
Honors Program .....	13, 39
Housing and Dining .....	32
Human Development .....	30, 176, 205
Human Services .....	123
Humanities .....	110, 209

## I

Independent Electricians .....	186
Industrial Maintenance .....	131, 210
Institutional Aid Programs .....	17
Institutional Overview .....	4
Instructional Media Center .....	34
Instructional Methods .....	139
Instrumentation Technology .....	130
Insurance .....	33
International Business/ESL .....	88
International Student Admission .....	10
International Studies .....	124
Internships .....	66

## J

Journalism .....	112
------------------	-----

## L

Late Registration .....	15
Learning Center .....	29
Legal Assistant .....	82, 213
Library .....	34
Library Science .....	214
Lifelong Learning .....	35
Location .....	5

## M

Machine Tool Technology .....	214
Management .....	215
Marketing .....	79, 80, 216
Mathematics .....	119, 217
Media Center .....	34
Medical Office Assistant .....	82, 220
Microbiology .....	157
Middle School Endorsement .....	86
Military Service Credit .....	11
Military Call Up Withdrawal .....	42
Mining Maintenance Technology .....	133, 220
Missing Class .....	40
Mission Statement .....	1
Music .....	91, 221
Musical Theatre .....	91

## N

Non-Academic Grievance .....	46
Non-Credit Course Tuition .....	27
Non-Credit Programs .....	35
Non-Native Speakers .....	29
Nursing .....	98, 226
Nutrition .....	201

## O

Occupational Programs .....	64
Occupational Therapy .....	104, 227
Office Information Systems .....	81
Organizational Communication .....	111
Orientation .....	11
Outdoor Leadership .....	104, 199
Outreach Coordinators .....	270
Outreach Sites .....	37

## P

Peer Tutor Center .....	30
Phi Theta Kappa .....	39
Philosophy .....	228
Photography .....	93, 146
Physical Education Activity .....	228
Physical Education Professional .....	238
Physics .....	240
Placement Testing .....	10
Plant Operators .....	134, 241
Political Science .....	124, 241
Policies .....	38
Power Plant Maintenance Mech .....	132
Pre-Dentistry .....	108
Pre-Forestry .....	119
Pre-Law .....	124
Pre-Medicine .....	108
Pre-Pharmacy .....	109
Pre-Physical Therapy .....	109
Pre-Rangeland Ecology and Watershed Management .....	119
Pre-Veterinary .....	120
Pre-Wildlife Biology .....	120
Prerequisites .....	41
Privacy Rights of Students .....	23
Probation and Suspension .....	40
Program Index .....	71
Psychology .....	125, 243

## R

Radiologic Technology .....	106
Recertification Courses, Education .....	185
Refunds .....	20, 28
Registration .....	15
Requirements for Graduation .....	48
Requirements for the Associate of Applied Science Degree .....	53
Requirements for the Associate of Arts Degree .....	50
Requirements for the Associate of Fine Arts Degree .....	52
Requirements for the Associate of Science Degree .....	51
Requirements for the Associate Degree in Nursing .....	52
Requirements for Degrees and Certificates .....	48
Residency Classification .....	28
Residence Life .....	32
Rights and Responsibilities for Financial Aid .....	18

## S

Scheduling Curriculum .....	45
Scholarships .....	17
Science and Mathematics .....	115
Secondary Education .....	85
Shift Workers .....	45
Social Sciences .....	121, 125
Sociology .....	126, 246
Social Work .....	126
Spanish .....	112, 197, 248
Special Education .....	86
Special Services .....	32
Standards of Student Conduct .....	45
Statistics .....	249
Student Services .....	7
Student Development Center .....	30
Student Housing and Dining .....	32
Student Insurance .....	33
Student Organizations and Activities ...	35
Student's Right of Due Process .....	46
Suggested Programs of Study .....	70
Surface Maintenance Mechanics .....	132
Support Groups .....	31
Swimming Pool Fees .....	27

## T

Technical Theatre .....	93
Technology and Industry	
Advisory Councils .....	271
Technology and Industry .....	127, 249
Text Proctoring .....	31
Testing .....	31
Theatre .....	95
Theatre and Dance .....	251
Topic and Workshop Courses .....	141
Transcripts .....	46
Transfer of Credits .....	11
Transfer Programs .....	64
Transfer to the University of	
Wyoming .....	62
Transfer Admission .....	9
Tuition and Fees .....	25

## U

Underground Maintenance Mechanics ..	132
Use of Drugs and Alcohol .....	47

## V

Varsity Athletics .....	35, 237
Veterans Benefits .....	22
Veterans Satisfactory Progress	
Guidelines .....	22
Vision Statement .....	1

## W

Web Site Development .....	78
Welding Technology .....	134, 257
Western Undergraduate Exchange	
Program (WUE) .....	27
Western American Studies .....	113, 114
Western Wyoming College Foundation .....	6
Withdrawing from College .....	42
Wyoming Vietnam Veterans .....	22