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Office of the President

Walla Walla Community College
500 Tausick Way
Walla Walla, WA 99362-9267
509.522.2500



This catalog aims to help with the many choices you will make as you pursue your education at Walla Walla Community College. Our staff awaits the opportunity to help you with these choices. We know that educational attainment opens doors and will be a primary determinant of the quality of your life. Your educational success is our business.

A world of possibilities. That's the world as we view it from WWCC. We see it in the face of each student we serve -- a student population that is increasingly diverse in age, purpose, and ultimate destination, and one that draws from the regions surrounding our campuses in Walla Walla and Clarkston. WWCC is flourishing because of our commitment to five key principles -- relevance, innovation, outreach, opportunity, and partnerships. These concepts hold the key to everything we do and we want them to help you shape your future.

While our foundation is strong, the future won't be without challenges. We are in an economic transition as a nation and region, and I believe the future is being significantly shaped by technological and entrepreneurial innovation as well as globalization. We are here to help you learn and adapt to this changing environment. Now more than ever before, your success will depend on education. This catalog describes programs and services available to help you prepare for those challenges and expand your opportunities.

I am proud of our dedicated faculty and staff and proud of our energetic and scholarly students. We are committed to helping you reach your potential through academic advising and career path planning. Our broad range of offerings will stimulate and challenge you. And our college community offers exceptional extracurricular programs such as theatre, athletics, music, art, and multicultural activities to enhance your collegiate experience.

We are committed to making education affordable. Grants, loans, scholarships, and on-campus jobs are available through our Financial Aid Office. We encourage you to contact them to learn how you may qualify.

This catalog is designed to answer many of your questions, but if you need additional information, feel free to call the Student Development Center at 509.527.4262 or our Admissions Office at 509.527.4283. Our toll-free number is 877.992.9922, or you may visit us at our website at www.wwcc.edu.

We hope Walla Walla Community College is in your future. Invest in yourself by learning more about us today.

Steven L. VanAusdle
President

Board of Trustees



Mrs. Dora C. Reyes
Chair



Ms. Mary Grant Tompkins
Vice-Chair



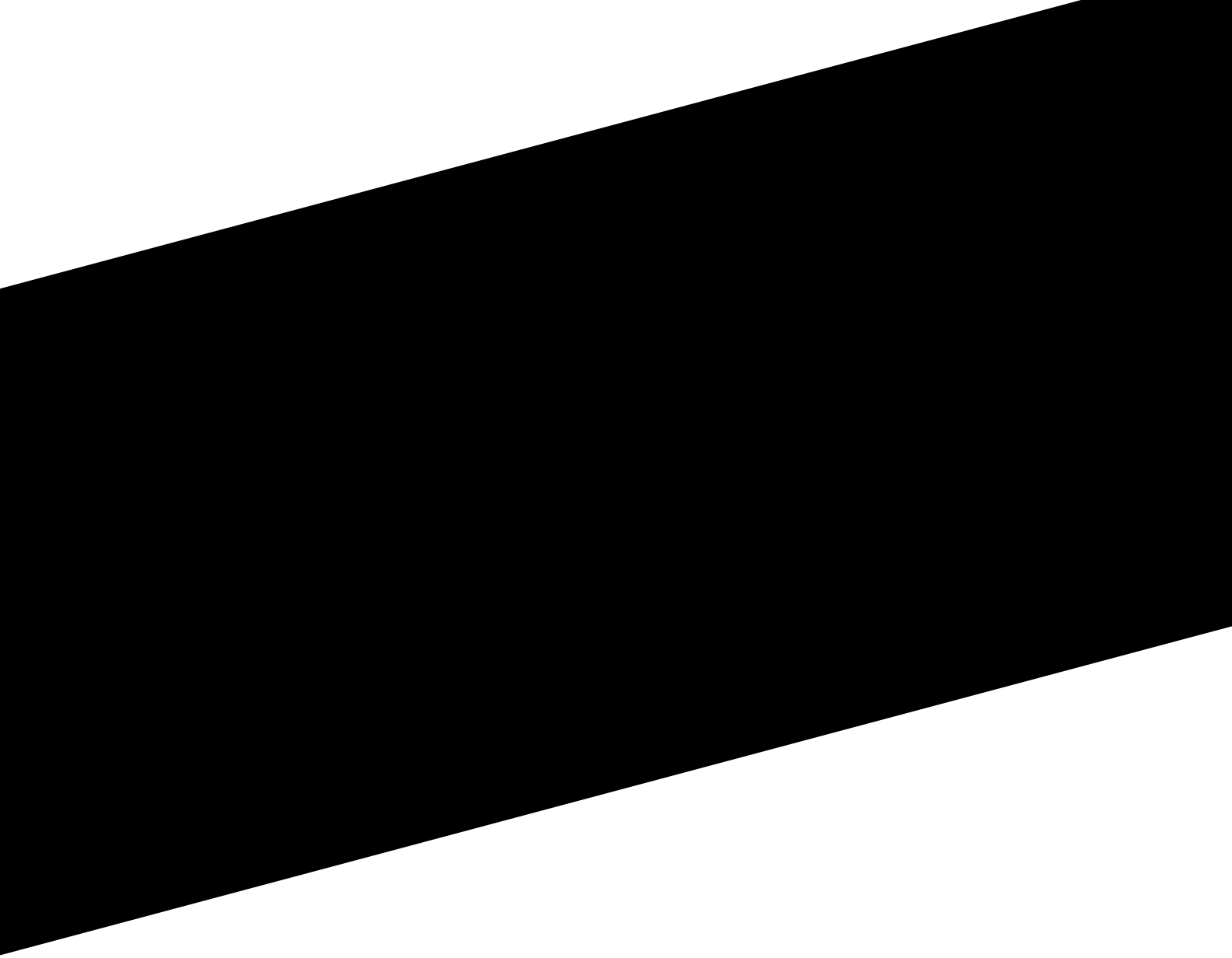
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Mr. Jerry Hendrickson



Mr. Jon McFarland





ABOUT WALLA WALLA COMMUNITY COLLEGE



About This Catalog

This catalog is published for informational purposes only. Every effort is made to ensure accuracy at the time of printing. However, Walla Walla Community College reserves the right to change any provision or requirement at any time. This catalog does not constitute a contract between Walla Walla Community College and prospective or enrolled students. ***Up-to-date information can be found using the Online Catalog on the WWCC website.***

Accreditation

Walla Walla Community College is accredited by the Northwest Commission on Colleges and Universities and certified by the Washington State Board for Community and Technical Colleges to offer courses in Academic Transfer Education, Professional-Technical Education, Transitional Studies, and Extended Learning. In general, academic courses (100 level or higher) taken at this institution are transferable to most baccalaureate institutions. Walla Walla Community College is approved for veterans' benefits for students eligible under the United States Code.

Anyone may review the documents that describe the College's accreditation. These documents are found in the office of the Vice President of Instruction.

Calendar

Fall 2006

| | |
|--|----------------|
| Schedules Available | May 15 |
| Advising Day | May 18 |
| Returning Student registration begins | May 22 |
| New student registration begins | June 27 |
| Labor Day | September 4 |
| Tuition due | September 8 |
| WAOL classrooms open | September 14 |
| Quarter begins | September 18 |
| WAOL instruction begins | September 21 |
| Last day for 100% refund (not WAOL) | September 22 |
| Last day to add most classes | September 29 |
| WAOL last day for 100% refund | October 4 |
| Last day for 40% refund for total withdrawal | October 5 |
| Last day to "W" drop classes | November 3 |
| Veterans' Day (College closed) | November 10 |
| Thanksgiving (College closed) | November 23-24 |
| WAOL instruction ends | November 29 |
| Quarter ends | December 8 |
| Christmas (College closed) | December 25 |

Winter 2007

| | |
|--|-------------|
| Schedules Available | November 7 |
| Advising Day | November 15 |
| Returning Student registration begins | November 27 |
| New student registration begins | December 4 |
| Tuition due | December 21 |
| Christmas (College closed) | December 25 |
| WAOL classrooms open | December 28 |
| New Years (College closed) | January 1 |
| Quarter begins | January 2 |
| WAOL Instruction begins | January 4 |
| Last day for 100% refund | January 8 |
| Last day to add most classes | January 12 |
| Marchin Luther King Day (College closed) | January 15 |
| WAOL last day for 100% refund | January 18 |
| Last day for 40% refund for total withdrawal | January 19 |
| Presidents' Day (College closed) | February 19 |
| Last day to "W" drop classes | February 20 |
| WAOL instruction ends | March 14 |
| Quarter ends | March 16 |
| Spring break | March 19-23 |

Spring 2007

| | |
|--|-------------|
| Schedules Available | February 20 |
| Advising Day | March 1 |
| Returning student registration begins | March 5 |
| New student registration begins | March 12 |
| Tuition due | March 16 |
| Spring break | March 19-23 |
| WAOL classes open | TBA |
| Quarter begins | March 26 |
| WAOL Instruction begins | TBA |
| Last day for 100% refund | March 30 |
| Last day to add most classes | April 6 |
| WAOL last day for 100% refund | TBA |
| Last day for 40% refund for total withdrawal | April 13 |
| Last day to "W" drop classes | May 11 |
| Memorial Day (College closed) | May 28 |
| Clarkston Campus Graduation Ceremony | June 2 |
| Walla Walla Campus Graduation ceremony | June 3 |
| Quarter ends | June 8 |
| WAOL instruction ends | TBA |

Summer 2007

| | |
|--|---------|
| Schedules Available | TBA |
| Advising Day | TBA |
| Returning student registration begins | May 29 |
| New student registration begins | June 4 |
| Tuition due | TBA |
| WAOL classrooms open | TBA |
| Quarter begins | June 18 |
| Last day for 100% refund | June 21 |
| Last day to add most classes | June 21 |
| WAOL Instruction begins | TBA |
| WAOL Last day for 100% refund | TBA |
| Last day for 40% refund for total withdrawal | July 6 |
| Last day to drop classes | July 20 |
| Quarter ends | Aug 3 |
| WAOL Instruction ends | TBA |
| Memorial day (College closed) | May 28 |
| 4th of July (College closed) | July 4 |

Commitment To Diversity

WHEREAS, Walla Walla Community College (WWCC) represents a community of people of diverse cultures, ages, sexual orientation, races, religions, abilities, ethnicities, and nationalities working and learning in an atmosphere of intellectual freedom and mutual respect; and

WHEREAS, WWCC remains committed to diversity in its students and employees that reflects the diversity of our communities; and

WHEREAS, WWCC is committed to offering courses and campus-wide activities that are inclusive and is committed to offering a diversity of perspectives and support for individual and cultural differences; and

WHEREAS, WWCC is committed to creating an educational environment that is welcoming to and encouraging of all students and community members; and

WHEREAS, WWCC is committed to helping students achieve their educational goals; and

WHEREAS, WWCC believes in the importance of providing role models among our employees that reflect the diversity of our community; and

WHEREAS, WWCC is committed to the vision of inclusiveness of all people in a climate of equality; and

WHEREAS, WWCC has no tolerance for discrimination or harassment; now

THEREFORE BE IT RESOLVED that WWCC reaffirms its commitment to initiatives that increase diversity and reflect the communities we serve; and

BE IT THEREFORE RESOLVED that WWCC strongly encourages all members of the college community to oppose acts of discriminatory behavior; and

BE IT FURTHER RESOLVED that WWCC encourages its employees and students actively to promote, develop, and value diversity on campus and in the community.

Americans With Disabilities Act

WWCC complies with the Americans with Disabilities Act (ADA) of 1990. Information regarding ADA may be obtained from the ADA Coordinator, Walla Walla Community College, 500 Tausick Way, Walla Walla, WA 99362. Walla Walla campus: 509. 527.4258, TDD 509. 527.4412; Clarkston campus: 509. 758.1718, TDD 509. 758.1714. Both offices are open Monday through Friday, 8:00 a.m. to 5:00 p.m.

Equal Opportunity Statement

Walla Walla Community College supports equal employment and educational opportunities regardless of race, religion, color, national origin, age, sex, sexual orientation, veteran status, or disability in accordance with the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, the Federal Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, and any other applicable federal and Washington State laws against discrimination.

Student Right to Know and Safety Act

The security of all members of the campus community is of vital concern to Walla Walla Community College. In compliance with the Jeanne Clery Disclosure of Campus Security Policy and Crime Statistics Act, Walla Walla Community College information concerning campus safety, campus crime statistics for the most recent three-year period, graduation and transfer statistics, and other right-to-know information can be found on the WWCC website. This information can also be requested from the Office of Admissions and Records, Walla Walla Community College, 500 Tausick Way, Walla Walla, WA 99362.

The College

Walla Walla Community College has rapidly grown from 850 students in 1967 to a present annual enrollment of over 13,000. Located on approximately 100 acres, the Walla Walla campus has justifiably become an educational and cultural center for Southeastern Washington.

Extending facilities and programs throughout its four-county district, Walla Walla Community College's Clarkston campus, located in Clarkston, Washington, is the hub of educational activity in Asotin and Garfield counties. Over 1300 full- and part-time students are enrolled annually. Persons interested in knowing more about the Clarkston Center should visit the Clarkston Campus at 1470 Bridge Street, Clarkston, Washington, or call 509.758.3339 (toll-free 1.877.471.6629). Mailing address: Clarkston Center, P.O. Box 700, Clarkston, WA 99403.

Walla Walla Community College also provides educational programs and services to inmates of the Washington State Penitentiary, Ahtanum View Corrections Complex, and Coyote Ridge Corrections Center. Qualified inmates are eligible to apply for admission to developmental courses, as well as professional-technical programs. The College also provides student services in the areas of admissions, advisement and registration, counseling, testing, GED testing, and placement.



Vision, Mission, and Goals of the College

Our vision is for Walla Walla Community College to be one of the most innovative, professional, and successful service-oriented rural community colleges in the United States based on its performance in meeting student needs and public expectations.

Walla Walla Community College's mission is to inspire students to discover their potential and to achieve their goals by providing diverse and challenging learning opportunities.

To accomplish this mission, our outcome goals are to:

- Encourage and support life-long learning.
- Prepare students for transfer to four-year institutions.
- Prepare students for the 21st-century work force.
- Strengthen basic skills of students.
- Serve as a leading partner in strengthening communities.

Our process goals are to:

- Embrace relevant technologies.
- Provide services that support student learning.
- Hire, develop and retain highly qualified personnel.
- Value and promote diversity and multiculturalism.
- Collaborate with public and private partners.
- Acquire and maintain high quality facilities.
- Pursue additional sources of funding.

WWCC College-Wide Core Abilities

Walla Walla Community College strives to help students learn and prepare for a successful future by acquiring these core abilities:

- **Communication-** The ability to understand and express a concept, feeling, or experience effectively.
- **Critical Thinking** – The process of examination, evaluation, and revision of material, ideas, or data using appropriate attitudes and skills.
- **Personal and Professional Responsibility** – The attribute of developing ethical and quality standards while building one's character in integrity, civility, and respect for others.
- **Diversity/Appreciation of Differences** – The ability to understand the uniqueness of self and others, and demonstrate an openness toward diverse points of view.
- **Information/Technology** – The ability to access, evaluate, and apply information from a variety of sources, tools, and contexts, and adapt to changing technologies.
- **Lifelong Learning** – The ability to persist in acquiring knowledge, and applying skills, set and revise goals, and assume responsibility for one's own learning.

Walla Walla History and Environment

The name "Walla Walla" is said to be a Native American word meaning "many waters" in reference to the numerous creeks and streams that flow through the valley between the Blue Mountains and the Columbia and Snake Rivers.

Located in the southeastern corner of Washington State, Walla Walla has been called the Cradle of Pacific Northwest History. It is one of the oldest established communities in the Northwest, the site of the first religious and cultural institutions in the state, and the home of the oldest continuously performing symphony orchestra west of the Mississippi. Walla Walla is an important agricultural center, producing a significant portion of the nation's wheat. In the past few years, the Walla Walla Valley has become known for its high quality wines. It is the retail, medical, and professional center of Southeastern Washington.

Nestled in a setting of compelling natural beauty, Walla Walla lies at the foot of the Blue Mountains in the Walla Walla Valley. Its landscape is distinguished by its physical diversity and numerous recreational opportunities. Walla Walla's mild climate makes outdoor activities and enjoyment of its beautiful parks a year-round delight.

Walla Walla Community College has also helped to lead the initiative for protecting the water resources of the area through the Water Management program that will be centered at the Walla Walla campus.

Clarkston History and Environment

The Clarkston campus is located on the Snake River in Clarkston, Washington. Named after William Clark of the Lewis and Clark Expedition of 1804-06, Clarkston offers many historic sites and recreational opportunities to residents and visitors.

The Clarkston-Lewiston valley offers dramatic scenery with steep cliffs and rushing rivers that attract people who enjoy the outdoors. Water sports, fishing, boating, hunting, and hiking, as well as artistic and cultural events are local attractions.



ADMISSIONS, REGISTRATION AND GRADING



Admissions

Walla Walla Community College is an open-door higher education institution. It accepts all qualified individuals who are at least 18 years of age or are graduates of accredited high schools or have an equivalent certificate, i.e., General Educational Development (GED). Applicants who are under the age of 18 at the time of registration and are not high school graduates must complete the under-age Admission Policy paperwork or be participating in an enrollment option program designed for high school students such as Running Start or Alternative Education Program.

Some programs have specific admission procedures and limited space; therefore, admission to the College does not guarantee availability of all programs or courses. Please review special admission procedures in this catalog under "Admission Procedures for Professional-Technical Programs" and for "Underage Admission Policy & Procedures."

Admission Information

Admission Procedures

1. Call, write, apply on-line, or drop by the Office of Admissions and Record, WWCC, 500 Tausick Way, Walla Walla, WA 99362, 509.527.4283 or 1.877.471.9292. Request an application form, financial aid information, campus visit, etc. You can also download an application form from our web site (www.wwcc.edu), complete it, and send it to the Office of Admissions and Record or apply on-line. If you have chosen a program of study, indicate it at this time. Residents of Garfield and Asotin counties may call or visit the Clarkston campus, at 1470 Bridge Street, Clarkston, WA 99403, 509.758.3339 or 1.877.471.6629.
2. Have an official high school transcript or GED, pre-college test results, and a transcript of any previous college work sent to the Office of Admissions and Records. All transcripts must be official and received in a sealed envelope.
3. Return your application.
4. Contact the Student Development Center in Walla Walla at 509.527.4262, concerning a placement test required for most new students, or 509.758.1772 in Clarkston.
5. If students are undecided about what to study, they should call the Student Development Center in Walla Walla or Clarkston for an appointment as early as possible. Professional assistance is available to help students develop an education plan.
6. After WWCC receives the application, the student will receive an acceptance letter from the College. If students have applied to the college but have not heard from the College or they wish to inquire about their status, they

should contact the Office of Admissions and Records.

7. Students with disabilities who need special accommodations should contact the Disabilities Coordinator at 509.527.4262 in Walla Walla or 509.758.1718 in Clarkston.
8. Those with hearing impairments should use Washington Relay Service 711.

Professional Technical Admission Information

Students interested in Professional Technical programs of study should contact the department regarding program placement and if payment is required for the priority list to determine specific quarter start.

Admission Policies and Procedures for International Students with F1 or F2 Visas

International students must complete the application process with the Registrar in time for a final acceptance (I-20) to be entered in the Immigration and Naturalization System (INS) electronic system approximately 30 days prior to the beginning of classes. International students are required to arrive in Walla Walla or Clarkston a minimum of two weeks prior to the beginning of classes. The INS will be notified if the student does not enroll in classes.

International students traveling abroad on vacation must have the registrar sign permission prior to leaving the country. F1 Visa students are not able to work off-campus. When changing address, all students must notify Admissions within 10 days of the change.

Application Procedure

1. Submit an application for admission.
2. Have official transcripts of secondary and postsecondary academic work translated into English and sent directly to the Office of Admissions and Record. Call for acceptable translation services.
3. Submit an affidavit of financial support to verify that sufficient financial resources are available to cover educational, travel, and living expenses for at least one year.
4. Have an official copy of TOEFL scores sent to the Walla Walla Office of Admissions and Record. A minimum score of 500 (minimum score on computerized version of 173) is required. Students from English-speaking countries may not need to submit TOEFL scores.
5. Health and accident insurance is required. Students must obtain and show proof of insurance upon arrival.
6. Students transferring from other U.S. institutions must present a recommendation stating they are in academic good standing (2.0 gpa or better) and that they would be readmitted if they were to reapply.
7. Other admission requirements may be necessary at the discretion of the Director of Admissions.

Probation: International students not completing 12 credits and maintaining a 2.0 gpa for each of two-quarters will be reported as out-of-status (not making satisfactory progress) to the Immigration and Customs Enforcement, and further enrollment will be denied.

Underage Admission Policy and Procedures

WWCC's educational mission is focused on serving adults in an adult environment. The minimum age for admission to WWCC is 18 years of age, unless the applicant has a high school diploma or equivalent or is a participant in Running Start, WWCC Alternative Education Program, or programs designed for age-specific groups. Walla Walla Community College does not desire to replace or duplicate the functions of the K-12 school system.

Applicants under age 18 who are not in the categories specified above and wish to enroll in any college courses must request an exception to the minimum age requirements. Criteria for admission of individuals under age 18 are competency at an appropriate academic level and maturity, i.e., the ability to participate and benefit in an adult learning environment.

Procedures for requesting an exception:

Underage applicants requesting admission to the College must complete the following steps and submit the required documents to the Student Development Center in order to schedule an interview:

- Download the forms from the website: www.wvcc.edu/admiss/underage.cfm
- Complete the forms and provide supporting documentation;
- Call for an appointment for you and your parent/guardian to meet with the Student Development Official at 509.527.4262 in Walla Walla and 509.758.1718 in Clarkston.

The Student Development Official will make recommendations regarding additional conditions of enrollment and forward the student's educational plan to the Admissions Official. The Admissions Official will evaluate all information, make the determination for acceptance or denial, and notify the applicant. This special admission is granted on a quarter-by-quarter basis based upon acceptable academic and social progress.

Admission of Senior Citizens

Washington state resident senior citizens (age 60 or above) may take classes at minimal cost on a space-available basis. See the quarterly class schedule for current information. Senior citizens may be interested in courses offered through the Quest Program (for those 50 years and above), at the Senior Center, or regular classes on the College campus.

Registration

Registration precedes the beginning of each quarter. Students wishing to register for credit must have an up-to-date application on file. Students not wanting credit may audit classes (maximum: up to 5 credits per quarter) without making application to the College. No record is kept of classes that are audited, although the tuition is the same as if the student were receiving credit.

Students are not allowed to attend a class unless they are officially registered for either credit or audit.

Students may register for some classes up to 2 weeks after the quarter begins, providing space is available and they get approval of the instructor(s) involved. A registration fee will be assessed. Check the quarterly class schedule or calendar for the last day to add classes. Some classes, such as ABE, ESL, and GED, have open enrollment throughout the first nine weeks of the term.

For special accommodations for disabilities call 509.527.4262 in Walla Walla or 509.758.1718 in Clarkston.

For registration procedures and information, pick up a copy of the quarterly class schedule in the Office of Admissions and Records or call 509.527.4283 in Walla Walla or 509.758.3339 in Clarkston to request a copy be sent to you. A schedule planner is available on-line. From website www.wvcc.edu, select Student On-line Services.

College Academic Year

The College year (September to June) is divided into three quarters (fall, winter, spring) of approximately eleven weeks each. Most courses at Walla Walla Community College are offered for one quarter, and each quarter a full range of courses is available. A summer session is offered in June, July, and August when fewer courses are offered over a shorter, more intense time. Ordinarily, students must enter a course at the start of a quarter and plan to participate for the full quarter. However, students may enter certain continuously-enrolling classes at any time during the quarter with permission of the instructor. Check with the Office of Admissions and Records to add these classes.

Credit Hours

Different courses offer different amounts of credit. Usually, the amount of credit for a course is the same as the number of hours the class meets each week. For example, a course meeting for one class hour three days a week equals three credit hours. There are some exceptions: laboratory sessions/nursing practicum meets two hours for one credit, and in-class time requirements of a course are not always directly reflected in the number of credits offered. The number of credits for each course is listed with the course

CREDIT LOAD/NON-TRADITIONAL CREDIT PROGRAMS

description in the college catalog and in the quarterly class schedule. Credit hours provide an indication of the time demands of a course when considered with appropriate out-of-class preparation and study time. They are the basis for certification of successful work completed.

Credit Load

The recommended credit load per quarter for a full-time academic student is 14-17 credit hours. Eighteen credit hours are considered the maximum load, and credits beyond that amount should be taken only upon the recommendation of the student's advisor or the counseling staff. Many professional-technical programs require enrollment in a pre-determined body of classes which can exceed 18 credit hours.

Full-time Student Status

Full-time status, as well as amounts of tuition and fees, may vary for students depending on how they fund their education. Enrolling in a minimum number of credits for funding will extend the total amount of time required for a degree and may not be the most efficient use of a student's time and money.

Veterans 12 Credit Hours
Running Start, AEP, high school diploma students . 15 Credit Hours
All other students..... 12 Credit Hours
Veterans—summer session 7 Credit Hours

Transferring Credit to WWCC

Walla Walla Community College recognizes academic credits earned at other regionally accredited institutions with grades of D (1.0) or better, provided they are essentially equivalent in academic level and nature to work offered at WWCC. Walla Walla Community College subscribes to the statewide Policy on Inter-College Transfer and Articulation among Washington Colleges and Universities endorsed by all the public and most private colleges and universities of Washington. For more detailed information, contact the Office of Admissions and Record or see the section of this catalog entitled "Transfer To a Four-Year College or University." To have credits evaluated, students should complete a WWCC admissions form and have their previous college(s) send an official transcript to the WWCC Office of Admissions and Records. Students fill out the Transcript Evaluation Form (this can be downloaded from the web), indicating the degree they are seeking; then they submit the form to the Office of Admissions and Records. For nursing program admittance, it is highly recommended that the official transcripts be postmarked prior to April 1 to meet the April 15 nursing deadline.

Course Numbers and Transfer of Credit

Courses numbered 100 and above are generally accepted as college-level coursework for transfer by other institutions. Courses numbered 1 through 99 (and in some cases 100) may be accepted by institutions offering similar courses, but their transferability should not be assumed. Since courses numbered below 100 are not considered college-level, most do not count toward a college degree but may be necessary to progress through coursework. Students planning to transfer to a particular institution should plan their program of study in accordance with the requirements of that institution.

Non-Traditional Credit Programs

Walla Walla Community College makes every effort to meet the educational needs of all people who are interested in attending the College. Non-traditional credit programs offer equality of opportunity, encourage individual development, and allow advanced placement.

Advanced Placement

Advanced Placement scores of 3 or higher will be recognized for credit when they can be applied to a stated educational objective. Official test results should be sent to the Student Development Testing Center or Office of Admissions and Records at the Walla Walla campus.

College Level Examination Program (CLEP)

The College is an official CLEP test center for administering CLEP tests under contract with the College Entrance Examination Board. The tests are given on an arranged basis at the Student Development Center. To register for the tests, secure the CLEP Bulletin for Candidates and complete the registration form in the bulletin. Variable testing fees are charged by CLEP, depending on the kind and number of tests administered. Credits earned through CLEP testing will be entered on the WWCC transcript. Students planning to transfer should check on the transferability and credit limit of CLEP credits at the transfer college or university.

Credit By Examination—Challenge

Credit by challenge is possible in selected courses if the student has prior educational experience paralleling the skill or knowledge required to complete the course. Students must contact a full-time instructor in the department offering the course to be challenged for an evaluation of the past educational experience and preliminary approval to petition for credit by examination.

When "challenging a course," a student may earn credit by registering for the course, passing a comprehensive examination, and/or completing special projects required by the instructor. The student must secure a "Petition for Credit by Examination" form in the Office of Admissions and Records. Standard tuition and fees will be charged.

Students will not be given credit for challenges in courses that are prerequisites to or below the level of coursework they have already successfully passed.

Ordinarily, students will not be allowed to challenge more than one course per quarter. Exceptions must be approved by the Vice President of Instruction.

Credit For Prior Learning

Criminal Justice AAAS Degree: students who have completed the Department of Corrections Washington Training Commission classes may petition WWCC, sign up and pay \$15 per credit to transcript up to 15 elective credits. The formula is eight credits for 160 hours of academic training and one credit for every ten hours thereafter for academic training for a maximum of fifteen academic elective credits. Students planning to transfer should check on the number of credits earned through this petition process that the receiving institution will accept.

Fire Command Administration Program: FCA100, Introduction to Fire Fighting, 1 credit course will be waived for individuals who have three years volunteer experience or one year paid experience or one year resident fire fighting experience. The individual requesting WWCC to waive this course must have a letter written by the Fire Chief or Training Officer to verify the experience.

Fire apprenticeship courses will transfer straight across for Fire Command Administration program credit.

Dantes

Dantes scores on the 50th percentile or higher will be recognized for credit when they can be applied to a stated educational objective.

Maximum Credit By Examination

A maximum of 25% of the credits needed for degree or certificate completion may be earned through credit by examination. Students planning to transfer should check on the number of credits earned through examination that the receiving institution will accept.

Professional Technical Degrees

Through an articulation agreement with WorkSource Walla Walla, students who complete the Job Hunter series with WorkSource shall be given WWCC credit for completion of OCSUP 103—Job Seeking Skills with no tuition charge to the student.

Non-Credit (Audit) Status

A student may choose to enroll in one or more courses on a non-credit (audit) basis, which means that the student may not be required to complete assignments or examinations for the course and will not receive a grade. A course taken for no credit may be repeated in any subsequent quarter for credit. Changes from non-credit to credit or the reverse must be made during the add/drop period in the quarter

in which the student is enrolled and must be approved by the instructor. Non-credit students pay standard tuition and fees. Audited courses do not appear on transcripts.

Some credits from Transitional Studies, Basic Skills, and Pre-College programs are non-transfer credits.

Prerequisite/Co-Requisite Requirements

Students may be required to complete prerequisite coursework at a minimum level of performance, demonstrate certain proficiencies, or be concurrently registered in two or more courses before they can attend a particular class. Examples: a student must get a grade of "C -" or higher in MATH 065 to continue to MATH 095. A student in an English class might be required to be registered for a reading class during the same quarter.

Students who register for classes in which they have not met prerequisite or co-requisite requirements will be administratively withdrawn.

High School Programs

Alternative Education Program

The Alternative Education Program (AEP) provides a non-traditional option for selected students, ages 16 to 20, to earn a high school diploma or acquire vocational training. Students may earn both high school and college credits. For more information call 509.527.4262 in Walla Walla.

Tech Prep

Tech Prep recognizes the college level work done in courses taught at a high school. Recognition is awarded in the form of college credits on a community or technical college transcript. College content and standards are specified through a Competency Profile of the Student Learning Objectives for each course. High schools integrate college content into the high school curriculum. This allows simultaneous coverage of what the students need to accomplish for both high school and college credit

Tech Prep partnerships between Walla Walla Community College and high schools are based on the two-plus-two educational reform concept, which seeks to coordinate the junior and senior year in high school with the first two years of an Associate in Applied Arts and Sciences, Associate in Arts, Associate in Science, or Bachelor's degree. To earn college credits for Tech Prep Program courses students must complete a list of course competencies, present an acceptable portfolio as defined by the program, and pay the associated fees for application, registration, and transcription.

Walla Walla Community College uses the Direct Transcription system, which immediately transcribes completed Tech Prep courses. Thus, high school students may establish a WWCC transcript upon completion of their first articulated Tech Prep courses.

RUNNING START/TUITION AND FEE SCHEDULE

Running Start

The Running Start program was created by the 1990 Washington State Legislature to expand educational options for public school students. Students classified as high school juniors or seniors may apply to this program. To qualify, students must demonstrate college-level proficiency by taking the Asset-Compass test.

Eligible Running Start students earn high school and college credit simultaneously for college-level courses. Tuition is paid for by the high school district; the student is responsible for books and fees. For more information, call 509.527.4262 in Walla Walla or 509.758.1718 in Clarkston.

Tuition and Fees

Collection of Financial Obligations Due the College

Walla Walla Community College, an agency of the State of Washington, is required to collect all financial obligations lawfully due the College. The Business Services conducts necessary collection activities. These activities include, but are not limited to, mailed statement and demand letter, assignment of the debt, plus collection charges to collection agencies, administrative holds on academic records, and/or administrative withdrawal of privilege to attend classes.

Costs

During the 2005-2006 academic year, full-time tuition and mandatory fees are estimated to cost \$2,625* for one year (15 credits per three quarters) for Washington State residents and \$3,969 for out-of-state residents. Textbooks and supplies will average about \$235-300 per quarter. Room and board, personal expenses, and transportation costs for one year will vary with the individual or family. Listed below are budgets, which represent possible cost patterns for which the College may award financial aid funds after personal or family resources are deducted.

Tuition and Fee Schedule

Published tuition and fees may be increased and special rates eliminated by legislative or Board of Trustees action. Please see quarterly class schedule for accurate rates. The following were in effect at the time of the publication of this catalog:

****Rates are subject to change** See below for Column Descriptions**

| Credit Hours | RES A | OR & ID B | Not NW C | INTER. D | WA HSC E | PARENT ED. F |
|--------------|----------|------------|------------|------------|----------|--------------|
| 1 | \$84.30 | \$84.30 | \$97.50 | \$256.00 | \$15.00 | \$11.00 |
| 2 | \$158.60 | \$158.60 | \$185.00 | \$502.00 | \$26.00 | \$22.00 |
| 3 | \$237.90 | \$237.90 | \$277.50 | \$753.00 | \$39.00 | \$33.00 |
| 4 | \$317.20 | \$317.20 | \$370.00 | \$1,004.00 | \$52.00 | \$44.00 |
| 5 | \$396.50 | \$396.50 | \$462.50 | \$1,255.00 | \$65.00 | \$55.00 |
| 6 | \$475.80 | \$475.80 | \$555.00 | \$1,506.00 | \$78.00 | \$66.00 |
| 7 | \$555.10 | \$555.10 | \$647.50 | \$1,757.00 | \$91.00 | \$77.00 |
| 8 | \$634.40 | \$634.40 | \$740.00 | \$2,008.00 | \$104.00 | \$88.00 |
| 9 | \$713.70 | \$713.70 | \$832.50 | \$2,259.00 | \$117.00 | \$99.00 |
| 10 | \$793.00 | \$793.00 | \$925.00 | \$2,510.00 | \$130.00 | \$110.00 |
| 11 | \$816.80 | \$1,182.85 | \$1,182.85 | \$2,537.60 | \$141.00 | \$121.00 |
| 12 | \$840.60 | \$1,206.20 | \$1,206.20 | \$2,565.20 | \$152.00 | \$132.00 |
| 13 | \$864.40 | \$1,229.55 | \$1,229.55 | \$2,592.80 | \$163.00 | \$143.00 |
| 14 | \$888.20 | \$1,252.90 | \$1,252.90 | \$2,620.40 | \$174.00 | \$154.00 |
| 15 | \$912.00 | \$1,276.25 | \$1,276.25 | \$2,648.00 | \$185.00 | \$165.00 |
| 16 | \$935.80 | \$1,299.60 | \$1,299.60 | \$2,675.60 | \$196.00 | \$176.00 |
| 17 | \$959.60 | \$1,322.95 | \$1,322.95 | \$2,703.20 | \$207.00 | \$187.00 |
| 18 | \$983.40 | \$1,346.30 | \$1,346.30 | \$2,730.80 | \$218.00 | \$198.00 |
| 19+ | \$66.85 | \$66.85 | \$66.85 | \$238.55 | \$11.00 | \$11.00 |

A - (1) Washington residents (for residency questions, see college catalog);

(2) non-residents who are taking classes toward H.S. completion; or

(3) residents under age 19 taking classes toward high school completion, with permission only.

(4) non US citizens without visa if the Washington Higher Education Residency, Affidavit/Delation/Certification, (HB1079) is met.

Note: Effective July 1, 2003, individuals who are not permanent residents or U.S. citizens MAY qualify for resident tuition if they have or will have graduated from a Washington State high school, or while living in Washington, have received the equivalent of a high school diploma. A three year residency requirement must be fulfilled. Additional criteria are required. Please contact the Walla Walla Campus Office of Admission and Records, 509-527-4283; toll free 1-877-992-9922.

B - U.S. citizens classified as OR or ID residents.

C - U.S. citizens, NOT classified as residents of WA, ID or OR.

D - International students, or non-U.S. residents.

E - Washington residents enrolled in high school completion classes (19 years or older).

F - Family/Parent Education classes only.

Facility Use Fee: \$1.00 per credit (minimum \$2.00, maximum \$10.00) included in above schedule.

Technology Fee: \$3.00 per credit (minimum \$6.00, maximum \$30.00) included in above schedule.

Matriculation Fee: \$1.00 per credit (minimum \$2.00 maximum \$10.00) included in above schedule.

Professional-Technical students registered exclusively in required professional-technical courses for their degree will be charged \$16.00 per credit in excess of 18; other students registered for more than 18 credits, see schedule above for 19+ credits.

Reduced tuition rates available for eligible Washington domiciled veterans or National Guard members, children & spouses of totally disabled or POWs/MIAs or deceased eligible veterans or National Guard. See Office of Admissions and Records for qualifications.

ABE, GED, ESL students pay a \$25.00 charge per quarter at the time of registration.

OTHER REQUIRED COSTS

- \$25.25 lab fee is charged per quarter for science, professional-technical, computer and other selected classes
- Books: estimated cost—\$298 per quarter
- Fitness fee: \$6.50 charged quarterly for specific fitness classes (see course description footnote)
- Other fees may be charged for specific courses
- Registration fee: \$33.25-to be paid after quarterly registration/tuition due date

OTHER INFORMATION

Call toll free 1-877-992-9922 if you have additional questions.

SENIOR CITIZENS:

- Classes developed specifically for senior citizens, including QUEST — \$27.50 per credit (plus \$1/credit Facility Use fee & \$1/credit Matriculation fee), plus any appropriate lab fees for specific classes.
- On a space-available, not-for-credit basis, Washington State seniors (age 60 and above) may also enroll in classes for \$2.50 per class, limited to two classes per quarter (does not include special fee classes).
- Seniors cannot register for these classes until after the first class meeting.

Budget (9 Months) 2005-2006 School Year

| | Commuter (living w/parents) | Dependent (away from home)/ Independent |
|-------------------|--------------------------------|---|
| Tuition & Fees* | \$ 2,625.00 | \$ 2,625.00 |
| Books & Supplies | 894.00 | 894.00 |
| Room & Board | 2,442.00 | 6,924.00 |
| Transportation | 1,146.00 | 1,146.00 |
| Personal Expenses | 1,476.00 | 1,560.00 |
| TOTAL | \$8,583.00 | \$13,149.00 |

*Add \$1,144 for non-resident tuition.
Tuition amounts subject to legislative change.

Student Insurance

Low cost student insurance is available through Business Services. Students may purchase an accident-only policy or an accident and sickness policy within the first 10 days of each quarter from Business Services; after ten days, the students may purchase directly from the insurance company. Most professional-technical students are required to purchase at least the accident-only plan or sign a waiver of liability. The accident and sickness plans may be extended to cover a spouse and children. For further information contact the Director of Student Activities or pick up a brochure in Business Services.

The College does not assume any financial responsibility for activities of students occurring during the course of their studies or extracurricular activities on campus.

Special Fees

Some courses have additional fees and/or deposits for materials and tool rental. A listing of additional fees and deposits will be available for review from the program advisor. These fees are subject to change.

Refund Policy

1. Responsibility

It is the responsibility of each student to be aware of the following refund schedules and to initiate prompt withdrawal by filling out an add/drop form at the Office of Admissions and Records. Students cannot add or drop classes using the web after the first week of the quarter. Official withdrawal and refunds are handled through the Office of Admissions and Records. Some distance learning classes have different start dates; see the quarterly course schedule for these timelines.

2. Total Withdrawal

Tuition and fees will be refunded in full if the student officially withdraws from the College prior to the sixth instructional day of the quarter for which the fees have been paid. The Washington Online (WAOL) calendar for 100% refund dates for total withdrawal from all classes may differ.

If official withdrawal occurs on or after the sixth instructional day but within twenty calendar days from the beginning of the quarter, forty percent of the above fees will be refunded. Refer to the quarterly class schedule for these dates.

No portion of tuition and fees will be refunded after twenty calendar days from the beginning of the quarter. Washington Online (WAOL) has no partial refund schedule.

Refunds are handled differently for special sessions, short courses, and summer quarter. The quarterly class schedule provides the details.

3. Reduction of Credit Hours

Tuition and fees will be partially refunded if students officially reduce their credit-hour load prior to the sixth instructional day of the quarter for which the fees have been paid. The refund will be based upon the credit hours remaining on the student's schedule.

No portion of the fees will be refunded for a partial withdrawal on or after the sixth day.

Refund checks will be processed in Business Services and mailed within approximately three weeks to the address given by the withdrawing student.

Students who withdraw or reduce their credit-hour load and have received any form of financial aid will be required to have the refund credited to the appropriate financial aid account.

4. Increase in Credit Hours

Tuition and fees will be recalculated for every increase in credits. The tuition/fee payment in full is due in full to Business Services on the same day the change is made at the Office of Admissions and Records. To pay by credit card, call 509.527.4204 or 509.527.4208 in Walla Walla or 509.758.1700 in Clarkston, or pay by credit card on the website.

Explanation of Resident Classification

For tuition purposes, Washington State law defines “resident students” as follows:

1. Individuals who have resided in Washington for at least one year, who are independent, and who are not in the state for solely educational purposes.
2. Dependents of parents or legal guardians who are domiciled residents of Washington for at least one year prior to attendance.
3. Full-time staff members of community colleges and their spouses and dependent children who reside in Washington.

It is assumed that a person who arrives in the state and enrolls in an institution of higher education is pursuing the primary goal of education and may not qualify for resident classification.

The following conditions, which must be accomplished one year prior to reclassification, will be required evidence of having become a Washington resident:

1. Registration of all vehicles in Washington.
2. Registration to vote in Washington.
3. Valid Washington driver’s license.
4. Purchase of property in Washington.
5. Rent receipts from other than a dormitory at an institution of higher education.
6. Student is not receiving financial aid from another state.
7. Additional factors may include: address of selective service registration, location of organizations, memberships, etc.

The student must initiate reclassification by completing an application provided by the Office of Admissions and Records. The proof of residency is the sole responsibility of the student.

The application for reclassification must be submitted with required documentation prior to a review of a student’s residency status. Reclassification cannot be applied retroactively to prior quarters.

Student Responsibility to Register Under Proper Classification

It is the student’s responsibility to register under the proper classification. If there is any question regarding residency, the student (prior to or at the time of registration) must discuss it with the Registrar. Verification must be provided.

Official Change of Status/ Reclassification as a Non-Resident

All persons classified as residents of Washington State shall be reclassified as non-resident students whenever there is a change in legal residence to another state.

If students have been erroneously classified as residents, they will be reclassified as non-residents and be required to pay the difference between the resident and non-resident tuition and fees for those quarters in which they were erroneously classified.

Application for Reclassification

Students classified as non-residents will retain that status until they make written application for reclassification in the form prescribed by the institution and are officially reclassified as residents of Washington State by the proper administrative officer. Students may not change their classification simply by virtue of residing in the state for twelve (12) consecutive months. Violation of the application for residency classification procedure will result in collection of the non-resident portion of the tuition and fees before transcripts are presented or the student is allowed to graduate.

Non-Resident, U.S. Citizens

U.S. citizens from Oregon and Idaho may enroll for a maximum of ten credits and pay resident tuition and fees. Registering for more than ten credits will require payment of the non-resident fee in addition to resident tuition. Tuition for non-resident U.S. citizens is illustrated in Column B of the quarterly tuition and fee schedule. Check the current quarterly class schedule for the most recent fee schedule.

Grading Policy

Grades and Grade Reporting

The WWCC grading system provides a permanent record of grade evaluations which reflect the student's course achievement.

The following grades are used:

Outstanding Achievement

- A 4.0 points per credit hour
- A- 3.7 points per credit hour

High Achievement

- B+ 3.3 points per credit hour
- B 3.0 points per credit hour
- B- 2.7 points per credit hour

Average Achievement

- C+ 2.3 points per credit hour
- C 2.0 points per credit hour
- C- 1.7 points per credit hour

Minimum Achievement

- D+ 1.3 points per credit hour
- D 1.0 points per credit hour

Unsatisfactory Achievement

- F 0.0 points per credit hour

Grades not included in gpa calculation

- I Incomplete – The grade of “I” may be assigned only upon the request of the student and with the concurrence of the instructor. It is given to the student who is doing passing work and has completed at least two-thirds of the course when a circumstance arises that prevents normal completion. Neither lateness in completing work nor the desire to do extra work to raise a poor grade is considered an extenuating circumstance. A student must obtain an Incomplete Grade Contract from the Office of Admissions and Record and negotiate a formal agreement with the instructor specifying:
 - The work completed by the last day the student was actively involved in the course
 - The work remaining to complete the course
 - The work required to complete the course must be finished in the subsequent quarter.
 - The grade to be issued if the work has not been completed by the end of the subsequent quarter

If the Incomplete is to be made up in any other than the subsequent quarter, excluding summer quarter, the student must re-register for the course. If a student does not make up the Incomplete grade, the instructor will change the Incomplete grade to the grade and credits agreed to in the Incomplete Grade Contract. If the instructor has not specified the grade and credits that the Incomplete grade will revert

to and the student does not honor the Incomplete Grade Contract, the Incomplete grade will remain permanently on the student record and “0” grade points are earned.

- N Audit –course not taken for credit (does not appear on transcript).
- P Passing – (Used for short courses, workshops and where deemed appropriate by the Vice President of Instruction).
- W Withdrawal – Students finding it necessary to withdraw from a class or the College must complete an official withdrawal form and submit it to the Office of Admissions and Record. The withdrawal can be processed using web registration until the end of the first week of the quarter. Withdrawals can be processed at the Office of Admissions and Record throughout any drop period. Students should refer to the schedule to find the last day to drop. Failure to withdraw officially from classes may result in failing grades being assigned, forfeiture of any tuition and fee refund, and overpayment of veteran's benefits, financial aid, etc. Students will be responsible for refunding any overpayments received. The schedule for drop deadlines for 100% refund and 40% refund appear in the quarterly class schedules; Washington Online (WAOL) dates may differ.
- Y In progress (not a final grade). Used in courses that allow enrollment on a continuous basis during the quarter. Students who enter such courses after the quarter has begun and need additional time to complete course requirements may be given time in the subsequent quarter to the equivalent of a quarter. Students do not re-enroll for the time allowed in the subsequent quarter. The “Y” grade will be changed to an appropriate letter grade at the end of the equivalent quarter through the grade change process in the Office of Admissions and Records. Students needing more than the equivalent of a quarter must be given a grade and be required to re-register for the course.
- Z No credit – student has not met minimal objectives due to documented extenuating circumstances (accident, illness, death in family, etc.). The faculty member initiates this grade. This grade is not computed in the gpa and cannot be changed unless instructor error has occurred.
- M/S/U Mastery/Satisfactory/Unsatisfactory. Used in a limited number of courses where students will not have their work recorded on their transcripts.

Grade Exclusion Policy

A returning student may petition the Academic Standards Committee for a review of his or her academic record with the intent of excluding grades earned at Walla Walla Community College from computation of the WWCC cumulative gpa. This policy is designed for students who had difficulties (generally characterized by grades below “C” or 2.0 gpa) in their early term(s), left WWCC, returned later and demonstrated improved academic achievement.

PREREQUISITE COURSE INCOMPLETES/QUARTERLY GRADES

In order to be eligible for grade exclusion, the student must meet the following criteria:

- At least three calendar years must have passed without the student's having been enrolled at WWCC;
- Grades to be excluded must have been awarded prior to the minimum years of absence;
- The student must demonstrate an ability to improve by completing at least 24 credits with a cumulative gpa of 2.0 or higher since returning to the College.

To initiate a petition for exclusion of grades, the student should contact the registrar's office to obtain the appropriate form.

- Only exclusion of all grades in the quarters prior to the absence will be considered; petitions to exclude singular courses within a quarter or singular quarters will not be considered.
- Only grades earned at WWCC can be removed under this policy.
- Only one such exclusion is permitted.

If the student's petition is approved, the grades to be excluded will still appear on the student's transcript but will not be used in calculating the gpa.

- These courses and credits may not be reinstated.
- These courses and credits may not be used as prerequisites.
- These courses and credits may not apply toward degree or certificate completion requirements.

Prerequisite Course Incompletes

A student may enroll in a course that has a prerequisite course for which the student has negotiated an incomplete grade. However, the student must successfully complete the required work for the prerequisite course and replace the incomplete with a grade that meets the prerequisite requirement during the first three days of the subsequent quarter, or according to the requirements agreed to by the instructor and the student in the Incomplete Grade Contract. If the student does not complete the prerequisite course in the first three days of the subsequent quarter or as agreed to in the Incomplete Grade Contract, the College will withdraw the student from the current course. The contract is available in the Office of Admissions and Records.

If the incomplete is to be made up in any other than the subsequent quarter, excluding summer quarter, the student must re-register for the course. If a student does not make up the incomplete grade, the instructor will change the incomplete grade to the grade and credits agreed to in the Incomplete Grade Contract. If the instructor has not specified the grade and credits that the incomplete grade will revert to and the student does not honor the Incomplete Grade Contract, the incomplete grade will remain permanently on the student record and "0" grade points are earned.

Adding or Dropping a Course

A student may add a course during the first 10 days of the quarter, provided the addition is approved by the instructor, the student's advisor, and a wait list doesn't exist for the course. Lab classes that allow continuous enrollment can be added at most times with instructor permission.

A student may drop a course based on the dates in the quarterly schedule. To drop a course, the student must complete the proper forms at the Office of Admissions and Records. It is the student's responsibility to initiate a drop. Failure to drop a class or withdraw from school in a timely and official way may disqualify a student from receiving a refund of tuition and fees and may cause the student to receive failing grades.

Withdrawal

Students finding it necessary to withdraw from a class or the College must complete an official withdrawal form and submit it to the Office of Admissions and Record. The withdrawal can be processed using web registration until the end of the first week of the quarter. Withdrawals can be processed at the Office of Admissions and Record throughout any drop period. Students should refer to the schedule to find the last day to drop. Failure to withdraw officially from classes may result in failing grades being assigned, forfeiture of any tuition and fee refund, and overpayment of veteran's benefits, financial aid, etc. Students will be responsible for refunding any overpayments received. The schedule for drop deadlines for 100% refund and 40% refund appear in the quarterly class schedules; Washington Online (WAOL) dates may differ.

Grade Point Average (gpa)

The gpa indicates the general achievement of a student. It is calculated by multiplying the number of credit hours for a course attempted by the grade points assigned to the grade for that course, taking the sum of products calculated and dividing by the total credit hours attempted. The calculation does not include courses in which the student received grades I, Z, N, Y, W, S, M, U or P.

Quarterly Grades

At the end of each quarter, grades are processed for each student enrolled for credit. Students may get their quarter grades and grades for the previous three quarters by getting an unofficial copy of their transcript on the website: <http://www.wwcc.edu/kiosk/> or by leaving a self-addressed and stamped envelope at the Office of Admissions and Records.

Grade Change

Once a grade has been filed with the Office of Admissions and Record, it is regarded as final. Except for the conversion of Incomplete (I) and In-Progress (Y) marks, grade changes are accepted only under restrictive circumstances. These circumstances include:

- Clerical error in transcription or recording of grade.
- Instructor error in computation.
- Decision as the result of a grievance procedure.
- Grade resulted from academic dishonesty.
- At the end of each quarter, grade reports are posted for each student enrolled for credit. If an error or omission should occur on a student's grade report, the registrar must be notified no later than the last day of the subsequent quarter; otherwise the issued grade becomes part of the student's permanent record and cannot be changed.

Repeating a Course - Grade Forgiveness

A student may repeat any course for which a grade of "C-" or lower was received. When such a course is repeated, the second grade is substituted for the first grade in computing the gpa. Both grades remain as part of the student's permanent record.

All courses repeated for which a grade of "C" or higher was earned will remain as part of the student's record, and an average of those grades will be reflected in the cumulative gpa.

The course must be repeated at Walla Walla Community College or the repeat will not be shown on the WWCC transcript, and the gpa will not be recalculated.

The Office of Admissions and Records implements the grade forgiveness process automatically, usually by the third week of the following quarter.

Official Transcripts

Official transcripts are kept for all students who have completed admissions procedures and registered for credit. These transcripts are permanent records of the College.

Official copies will be forwarded to other institutions or individuals upon the student's written request to the Office of Admissions and Records. Student identification number and signature are required for all official transcript requests. A fee of \$5.00 per transcript is charged. For same day mailing, a \$15.00 fee is charged. See web admissions directions for downloading the request form and the fax number.

Transcript services are withheld when a student has an outstanding financial obligation to the College.

Student Academic Responsibilities

- 1. Advisement:** Every student at Walla Walla Community College seeking to complete degree or program requirements is responsible for maintaining regular contact with a college advisor. Advisors are faculty members, college counselors, and other designated staff members. All students receiving financial aid must have a college advisor.
- 2. Catalog Information:** Every student at Walla Walla Community College is responsible for following guidelines and information provided in the WWCC catalog.
- 3. Course Requirements:** For each course in which they are enrolled, students at Walla Walla Community College are responsible for all instructions and requirements given by the instructor.
- 4. Attendance:** Regular attendance in classes is strongly recommended to ensure the successful completion of coursework. Individual instructors may require class attendance. Excused absences may be permitted at the discretion of the instructor for illness, official college activities, or personal emergencies. All coursework missed, regardless of cause, must be completed to the satisfaction of the instructor. The student is responsible for initiating procedures for make-up work. Certain professional-technical programs require a minimum of hours of instruction before a student can take a licensing examination. Students should check with their instructor(s) to make sure the required hours have been completed.
- 5. Examinations:** All examinations must be taken at the times scheduled by the instructor. A request to take a final examination at other than a scheduled time must be approved by the instructor and the Vice President of Instruction.
- 6. Student progress:** Students need to work toward timely completion of degrees or certificates. In response to recent legislation, WWCC will monitor students' progress in earning college-level credits. Future legislation may require students to pay more for excess credits they accumulate as they pursue degrees or certificates. Therefore, students should see advisors and keep on track toward their intended educational goals.
- 7. Student Rights and Responsibilities:** Student rights and responsibilities are published in the document Rules of Conduct and Procedures of Enforcement.

Students should contact the Student Activities Director for information regarding their rights and responsibilities while attending Walla Walla Community College. The Vice President of Student Services is available to discuss student concerns.

For Student Rights and Responsibilities, refer to www.wwcc.edu/currstud

Academic Standards Policy

Honors Recognition

Each quarter except summer, the College recognizes student academic achievement for those full-time students (15 credits or more within a program area exclusive of remedial courses and cooperative work experience credits) who meet the following minimum criteria:

Achieve a 3.85 gpa for the President's List.

—OR—

Achieve a 3.50 gpa for the Vice President's List.

Students with grades of I (Incomplete), Y (In-Progress), Z (No Credit), or an F are not eligible for honor roll recognition.

Academic Warning, Probation, Suspension

The academic warning and suspension policy is intended to promote successful learning. With this help, students will be alerted to potential problems in time for them to take corrective action. The following guidelines have been established to ensure that academic standards are maintained:

1. At the conclusion of each quarter, the grades of all students enrolled in that quarter will be reviewed by the Vice President of Instruction.
2. Students who have attempted twelve or more credits in the quarter and whose gpa that quarter is less than 2.0 will be notified of their situation.
3.
 - a. The first quarter in which the gpa is less than 2.0 will cause students to receive an academic warning regarding the level of their academic achievement from the Vice President of Instruction.
 - b. If students experience two consecutive quarters of work in which the gpa is less than 2.0 each quarter, they will be placed on academic probation for the following quarter of attendance.
 - c. When students fail to earn a 2.0 gpa for three consecutive quarters, they may be suspended from attendance at the College for a period of one academic quarter (exclusive of summer). They must appear before the Academic Standards Review Board to review their situation before registering for classes.
4. Any student whose gpa is under 2.0 will be referred to services provided by the College to enhance student success.

5. Students placed on academic probation or suspension may appeal to the Academic Standards Review Board for a reconsideration if they feel that unusual circumstances beyond their control contributed to their low academic achievement.
6. After academic suspension of one quarter (fall, winter, spring), a student must contact the Vice President of Instruction for a hearing before the Academic Standards Review Board for re-instatement to the College. If re-admission is allowed, the student will remain on academic probation until achieving a quarterly 2.0 gpa

Plagiarism/Cheating

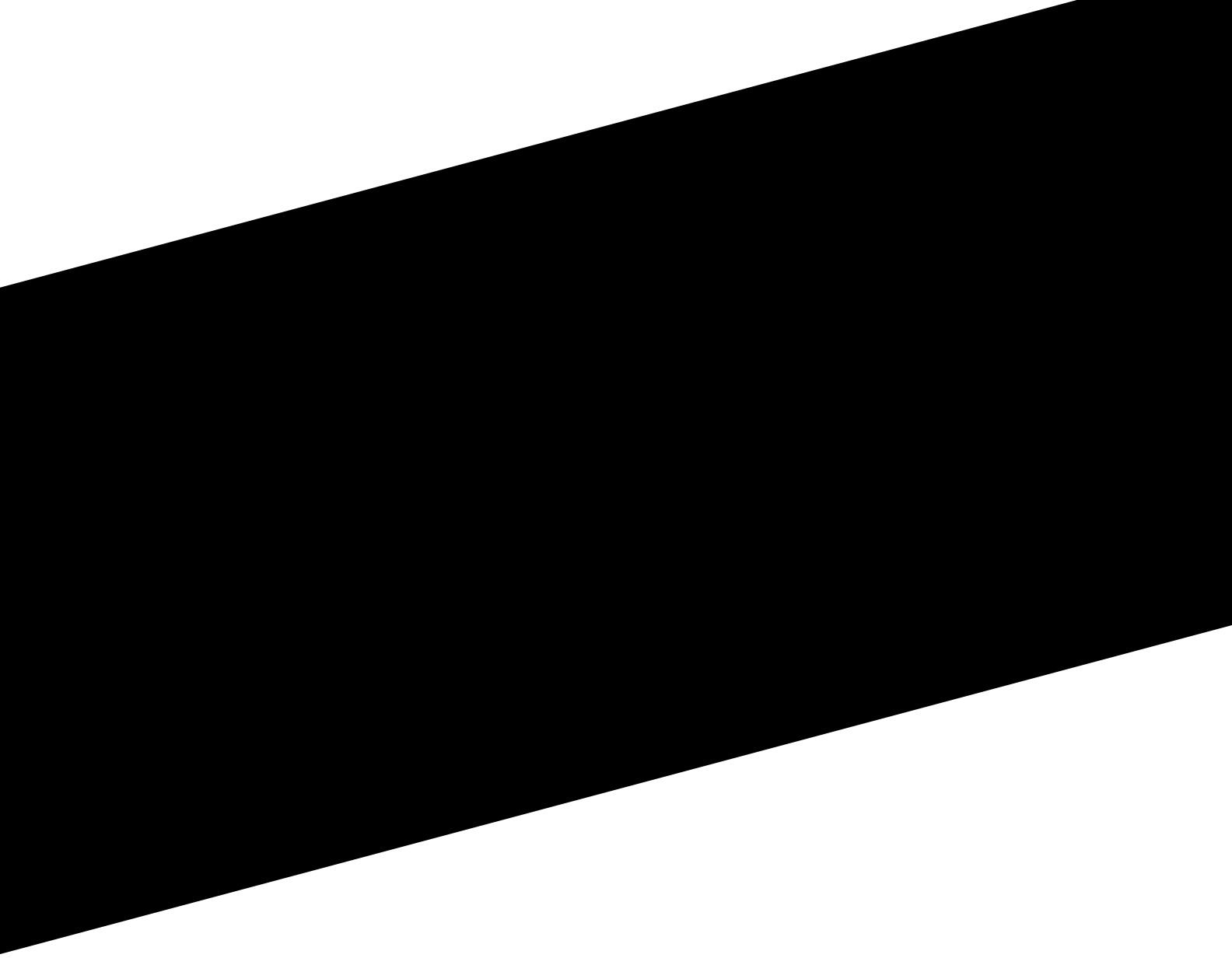
Walla Walla Community College does not tolerate plagiarism, cheating, or any other form of academic dishonesty. Any student who cheats or plagiarizes the work of others is subject to disciplinary action as defined by the Student Code of Conduct.

1. Plagiarism occurs when one uses someone else's work and passes it off as one's own; in other words, it is defined as the unacknowledged use of somebody else's words or ideas.
2. Plagiarism occurs when, without acknowledgement, one buys, borrows, or otherwise uses another person's written material or other information for the purpose of fulfilling or partially fulfilling any assignment or task required as part of the students' program of instruction at the college. Any student who plagiarizes shall be subject to disciplinary action.
2. Any student who aids or abets the accomplishment of such activity as defined in subsection 1 above shall also be subject to disciplinary action.
3. An instructor may take reasonable action against any student who is deemed to have been guilty of plagiarism or cheating. The course of action might include but not be limited to:
 - (a) student receives warning and lowered grade;
 - (b) student receives failing grade for the course;
 - (c) student is dropped from course;
 - (d) student is recommended for suspension or dismissal from the College;
 - (e) case is referred to civil action.

Refer to the Student Code of Conduct for the complete policy and procedures, available to all students through the Vice President of Student Services and Student Activities office.

Student Records (FERPA)

In accordance with the Family Educational Rights and Privacy Act (FERPA), Walla Walla Community College enforces guidelines concerning information about the student's permanent educational record and governs the conditions of its disclosure. Except as otherwise indicated, the College will not provide information contained in student records in response to inquiries unless the student has given consent to the College in writing. Exception will be made if knowledge of the information is necessary to protect the health or safety of the student or other individuals or disclosure is required by law. The following information may be released without notification to the student on a need-to-know basis, as it is representative of public directory information: student's name, field of study, athletic information, date of completion, degree, and awards earned. The College provides additional information to military recruiters in compliance with federal Solomon Act requirements. Students who do not want their directory information released without their consent must file quarterly, a Non-disclosure Request to the Office of Admissions and Records. The students can seal their records quarter by quarter.





STUDENT SERVICES



Financial Aid

The Financial Aid Office at Walla Walla Community College encourages applications from all students seeking financial assistance. Financial support for students usually comes from three sources: the student, the student's family, and financial aid programs. The Financial Aid Office is available to assist eligible students for specific college programs when their personal or family resources are not adequate to meet educational expenses.

First Steps

Students seeking financial assistance must first submit a federal financial aid application (FAFSA). Paper applications may be obtained from the Financial Aid Office or high school counselors. The FAFSA application can also be submitted on-line at www.fafsa.ed.gov. The on-line application is the recommended method of submitting the FAFSA information. Questions can be addressed to the Financial Aid Office, 509.527.4301.

Deadlines

Applications may be submitted at any time during the academic year; however, because of limited funds, the recommended application deadline for priority funding is March 1 for fall quarter enrollment. Applicants who have been admitted and have submitted all the required forms will be notified of award or denial of assistance according to the following schedule:

1. Students with completed application files in the Financial Aid Office on or before May 1 will be mailed a notification during July.
2. Students with completed application files in the Financial Aid Office after May 1, but before June 1, will be mailed a notification during August.
3. A complete listing of the notification schedule for files completed after June 1 can be viewed at the WWCC Financial Aid Office website. Check the Student Kiosk on the web at www.wwcc.edu to see where you are in the process.

Types of Financial Aid Available

Scholarships

General Scholarships

The Financial Aid Office disburses applications for a limited number of general scholarships. These scholarships are awarded as a result of donations by private individuals, organizations, and service clubs. Application deadlines range from February 1 to May 1. Check with the Financial Aid Office for more details.

Athletic Scholarships

All athletic scholarships are awarded by the head coach of each sport. (Contact the Athletic Department).

Activity Scholarships

These scholarships may be available through ASB clubs and organizations or through activity groups such as theater, music, and art.

WWCC Foundation Scholarships

The WWCC Foundation focuses on assisting Walla Walla Community College to reach the highest level of educational excellence. Since its establishment in 1982, the Foundation has encouraged gifts and administered funds from alumni, corporations, foundations, and friends of the College to support students and Walla Walla Community College in the pursuit of excellence.

Various scholarships are available to Walla Walla Community College students, and many students receive scholarships through the WWCC Foundation. Funds for these scholarships come from private corporations, the WWCC Foundation, special endowments, individual donors, and other foundations. Assistance is awarded based on academic ability, potential to benefit, and, in some cases, financial need. Many scholarships are designed for students in specific fields of study.

The scholarship program is open to new and continuing students. Applicants must apply for admission and be accepted before being considered for any scholarship. A minimum gpa of 3.0 is required for merit-based awards while other scholarships require a minimum 2.5 gpa.

Inquiries may be addressed to the Office of Financial Aid or the WWCC Foundation 509.527.4275. The Foundation Scholarship form is available on the WWCC website.

Grants

Federal Pell Grant

A federal grant program designed to provide assistance to students who meet federal financial eligibility criteria.

Federal Supplemental Educational Opportunity Grant (SEOG)

A federal grant program similar to the Pell Grant for students with exceptional financial need.

Washington State Need Grants (WSNG)

A State of Washington program intended for resident students who meet financial eligibility criteria.

State Tuition Waiver Program

A State of Washington program intended for resident students with a demonstrated need.

Loans

Federal Perkins Loan

(Formerly called National Direct Student Loan)

A federal loan program established to make low-interest, long-term loans to students who meet financial eligibility criteria.

Federal Stafford Loan

(Formerly called Guaranteed Student Loan)

Funds available through participating banks or other lending institutions. Application forms are available from the Financial Aid Office. This program also provides low-interest, long-term loans.

Short-Term Loans

Provided by the College for tuition and fees up to \$300 per quarter. These loans are available without interest, but they must be paid back before the end of the quarter in which they are borrowed.

Student Employment

Federal Work Study (FWS)

This federal employment program offers a job to financially qualified students. The student may be assigned 10 to 15 hours per week. Full-time work may be allowed during vacations and during the summer if funds are available.

State Work Study

This program offers employment to financially qualified students. The students are assigned to work on or off campus in a job that is related to their areas of study. Students may be assigned up to 19 hours per week, depending on eligibility. Full-time work may be allowed during vacations and summer.

Employment Service

Employment specialists are available at the Work Source Affiliate WWCC office in the main building. Students and job seekers can be matched with employers for both on-campus and off-campus employment. Assistance with resumes, job search skills and Internet access to labor market information (local, state, and national) is also available. Services are also provided for students enrolled through our Dislocated Worker and Worker Retraining units. Call 509.527.4279 in Walla Walla or 509.758.1711 in Clarkston for more information.

Financial Aid Probation

Federal and state regulations require Walla Walla Community College to monitor the satisfactory progress of each student who receives financial aid. This is accomplished through a quarterly review by the Financial Aid Office before funds are disbursed to students.

Satisfactory Progress means a minimum 2.0 quarterly gpa plus:

- For a full-time student (enrolled for 12 or more credits) — satisfactory completion of 12 credits.
- For a three-quarter time student (enrolled for 9-11 credits) — satisfactory completion of 9 credits.
- For a half-time student (enrolled in at least 6 credits) — satisfactory completion of 6 credits.
- Incompletes may be made up. However, if students complete fewer than six credits, they will be suspended from financial assistance.

If students fall below these requirements, they will be placed on financial aid probation for the following quarter. The extent or degree of this probation will depend on the seriousness of the lack of satisfactory progress. Should lack of progress be noted during the probationary quarter, all financial aid may be withdrawn until the student is reinstated by completing the necessary credits.

When students withdraw or cease to attend classes, they may be required to repay financial aid funds received for that quarter. Financial aid, excluding work study, will be repaid by the student according to the Return to Title IV Funds Policy. A copy of this policy is available from the Financial Aid Office.

Other Financial Aid Sources

- Bureau of Indian Affairs – available to qualified Native Americans
- Department of Vocational Rehabilitation
- Veterans Administration
- WorkFirst – tuition and book assistance for qualified low-income working parents or TANF recipients seeking training to obtain employment.
- Worker Retraining – financial assistance to qualified dislocated workers or displaced homemakers.
- STEPP payment plan. Call Walla Walla Business Services at 509.27.4201 or 509.758.3339 at the Clarkston campus for more information.

For more information regarding these programs, contact the Financial Aid Office, 509.527.4301

Advising and Counseling

When facing educational, career, and personal decisions, students should consider scheduling an appointment with Student Development Center staff. Center hours are from 8:00 a.m. to 5:00 p.m., Monday through Friday, with adjusted summer hours. Call 509.527.4262 (Walla Walla) or 509.758.1772 (Clarkston) for an appointment.

The center attempts to provide a place and atmosphere where persons may be able to reflect or just think aloud about their lives in a variety of areas such as choosing a career, dealing with home concerns, or simply coping with pressures. Some of the services offered to help students include:

- Assisting with transfer planning, transfer workshops and classes.
- Assisting students in their search for career information.
- Administering and explaining tests and assessments that provide information to students regarding occupational interests, school aptitudes and academic abilities, personal values, and personality traits.

- Administering the CLEP. tests.
- Providing individual and group counseling.
- Assigning the appropriate program advisor.
- Offering on-line advising services with an online advisor to answer questions using the web educational planning tools.
- Providing services for veterans.
- Coordinating services and accommodations for students with disabilities.
- Helping faculty understand and meet specific needs of individual students.
- Making referrals to other agencies or professional sources when necessary.
- Coordinating group activities to accomplish certain goals such as life planning, developing communication skills, increasing human potential, and wellness issues.
- Assisting students who have been referred by College staff and community agencies.
- Answering questions related to degree requirements, college transfer information, high school completion, and GED.

Counselors and advisors are trained in listening and understanding, and discussions are kept confidential. The Student Development Center is located on the main floor of the main building at Walla Walla, and on the first floor opposite Business Services at Clarkston.

Testing Service and Testing Lab

Tests relating to interest, abilities, personality, and special aptitudes are administered and interpreted by professional personnel in the Student Development Center. These tests are specifically selected to fit the needs of the individual. Most tests are free to WWCC students. Call 509.527.4267 (Walla Walla) or 509.758.1772 (Clarkston) for more information or an appointment.

The testing lab provides testing services for both WWCC students and off-campus students enrolled in Distance Learning and/or Telecourses. It is available for students needing to take make-up exams and accommodates special testing needs. Testing arrangements can be made by calling for an appointment or coming in during testing hours. Current testing hours are found on the WWCC website or at the Student Development Center.

Placement Testing

Prior to registering for classes, students will be asked to take a placement test. The purpose of the placement test is to assist advisors in placing students in courses according to individual abilities. Contact the Student Development Center to schedule an appointment at 509.527.4262 (Walla Walla) or 509.758.1772 (Clarkston).

GED Test Administration

Walla Walla Community College is an official GED (General Educational Development) center for administering GED tests in Walla Walla and Clarkston.

The GED testing service is available in English and Spanish to persons 19 years and older or to persons 16 to 18 years who are released by their local high schools. After passing the GED test, the student receives a certificate from the State of Washington. Acquiring a certificate shows that the person has knowledge in the tested areas.

The GED service is administered by the testing staff of the Student Development Center at 509.527.4267 (Walla Walla). Individuals must pay the GED testing fee prior to taking the exam. There is also a fee for retakes. GED service is also available at the Clarkston Center at 509.758.1707.

American College Testing Program (ACT)

Walla Walla Community College is an official testing center for the ACT program. ACT test scores may be required in order to transfer to some four-year colleges and universities. The ACT tests are given during February, June, September and October. Further information can be obtained from the Walla Walla campus Student Development Center. Testing fees vary and are payable to ACT prior to the examination day. The College is also a testing center for ACT-CLEP, a widely accepted college level credit-by-exam program.

Academic Support Centers

Walla Walla Community College provides instructional support in many subject areas to students who need learning assistance. Students may visit the Math Lab, the Writing Center, or the Science Learning Center for assistance on the Walla Walla campus. The Math Lab, Science Learning Center, and Writing Center are located in the Academic Support Center (Room 288). In Walla Walla, students complete the tutor request form (located in the Academic Support Center), obtain instructor signature, and return the form in the drop box located in the Academic Support Center or the Student Development Center. College staff complete the matches and contact the student. WWCC uses the CRLA (College Reading and Learning Association) tutor certification program.

At the Clarkston Center students may access academic support through their instructors, or they can obtain a tutor request form at the Student Services Information desk. Clarkston students may access the Math and Science Learning Centers at any time during scheduled hours.

Math Lab

Students needing assistance with math may drop in or make an appointment to work with a member of the math lab staff. All students may take advantage of lab services that cover the range of math topics from vocational math to introductory algebra to pre-calculus to differential equations.

Science Learning Center

This center is staffed with individuals with expertise in the sciences. Students may check in the center to find when staff are available with specific expertise in the particular science disciplines. The Center is equipped with ten iMacs, three microscopes, and a wireless AirPort hub.

Writing Center

The writing center staff provides assistance on writing assignments to students throughout the college. No appointment is needed to use the services of the writing center. All students—academic, professional-technical, college preparatory, continuing education—are welcome. Students may visit on a “drop-in” basis or by referral from any instructor. The writing center staff also makes presentations on a variety of composition-related topics to classes or other groups upon request.

Disability Support Services

This office provides support to integrate qualified students with disabilities into the campus community to maximize their independence and educational experience. Students with disabilities must identify themselves to receive services by contacting the office of the Disabilities Coordinator. Call 509.527.4262 on the Walla Walla campus and 509.758.1718 on the Clarkston campus to schedule an appointment.

Appropriate accommodations at Walla Walla Community College are based on documentation students provide from qualified professionals.

Samples Of Services:

Academic

- Note taking
- ASB Tutoring
- Photocopying of notes and handouts
- Special testing arrangements
- Tape recording lectures

Advising and Referral

- Academic
- Vocational
- Financial aid
- Personal
- Priority registration
- Career exploration

Accessibility

- Restrooms
- Telephones
- Facilities
- Parking
- Elevators

Information

- Campus orientation
- College community referrals

Special Equipment

- Cassette recorders
- Scanners
- 711 Interpretive
- LPDOS program for sight impaired
- Other equipment as needed
- Computers
- Text enlarger
- Phonic FM transmitters & receivers
- Voice activated word processing
- JAWS screen reader

Transportation

- City bus system
- Walla Walla Valley Transit van for handicapped Dial-A-Ride
- Valley Transit offers transportation in the Lewiston-Clarkston area

Procedures for Obtaining Disability Accommodations

1. A student must make a direct contact with the Disabilities Coordinator on the Walla Walla campus 509.527.4262 or Student Services desk at the Clarkston campus 509.758.1718 in order to start the procedure to request documentation of the disability prior to receiving accommodations.
2. Students will provide necessary medical and diagnostic information from qualified professionals to support their requests for accommodations.
3. An individualized accommodation list is prepared, based on the documentation that is appropriate to the nature and extent of the student's disability. The nature of disability will be confidential and on a need-to-know basis.
4. The accommodations will be implemented when presented to the instructors.

Walla Walla Community College will make every effort to provide appropriate accommodations to suit individual needs of qualified disabled students, given sufficient notice prior to the event or class.

TRiO Student Support Services

Student Support Services is a federally funded program designed to assist over 250 eligible college students with retention, transfer, and/or graduation. Office hours are 8:00 a.m. to 5:00 p.m., Monday through Friday, during the academic year, and 7:30 a.m. to 4:00 p.m. during the summer. Call for an appointment at 509.527.4258 (Walla Walla) and 509.758.1721 (Clarkston).

Student Support Services provides the following services to eligible students:

- College visitations and planning.
- Free tutoring services.
- Academic, personal, and career advising.
- Campus and community advocacy.
- Success planning based on an academic early warning system.
- Scholarship workshops.
- Financial aid workshops.
- Extensive transfer planning.
- Book and equipment loan library.
- Leadership and community service opportunities.

The Veteran's Responsibility

Standards of Progress

Persons receiving Veterans' Administration benefits are subject to the following standards of progress:

1. Full-time study is a minimum of 12 credit hours per quarter.
2. Individuals cannot be certified for audit or other non-credit courses.
3. All eligible veterans must maintain a minimum gpa to ensure continued VA support. For any quarter of study, the gpa must be 2.0 or above. A list of all grades with their respective grade points appears in this catalog under "Grading Policy."
4. Persons who fail to make satisfactory progress will be placed on Academic Probation. The first quarter below a 2.0 gpa will cause students to receive a warning regarding the level of their academic achievement, a Level I Probation. If a student experiences two consecutive quarters of work in which the gpa is less than 2.0 (each quarter), the student will be placed on a Level II Probation.
5. Persons who are placed on Academic Probation can be re-instated to regular status by earning a 2.0 gpa for the probationary quarter.
6. When a student fails to earn a 2.0 gpa or higher for three consecutive quarters, the individual will be terminated from receiving veterans' educational benefits, and the VA will be notified of the unsatisfactory progress. Every effort will be made to notify the VA within 30 days, although the monitoring process may take more than the allotted time.
7. Persons who receive a grade of Incomplete (I) or In-Progress (Y) must complete an Incomplete Grade Contract with the appropriate instructor and finish the incomplete in accordance with the established policy in the Registrar's Office. If the incomplete grade is not removed by the end of the following quarter, it will be reported to the VA and will usually result in having to repay the VA a portion of the money previously received.
8. Persons whose financial support has been discontinued for reasons of unsatisfactory progress will not be recertified for veterans educational benefits until satisfactory progress is maintained for the quarter in which they are enrolled and they complete a conference with the veterans' clerk. 509.527.1864 Walla Walla; 509.758.1718 Clarkston

Records of Progress

Walla Walla Community College maintains adequate records to show the progress of each student receiving VA benefits. Specific procedures include the following:

1. Records of withdrawals from any course (including dates of attendance) are filed and checked with the official schedule certified by the College for funding. Appropriate forms are submitted if funding levels are reduced or increased due to the schedule change.
2. Records of re-enrollment for courses leading to degrees are checked against permanent records when a program change application is submitted. This form ensures that all eligible persons pursue courses and programs for which they are certified.
3. A cumulative transcript of progress is on file in each veteran's or eligible person's folder. Progress or lack of progress is monitored each quarter when grades are submitted for final review. The courses are double-checked with the original certification to make certain persons eligible are making progress in courses approved for funding. Transcripts of previous education and training are included with the transcript evaluation forms to show credit granted for prior educational experiences.

Worker Retraining

Worker Retraining provides tuition assistance for qualifying students. Funding may cover credited, occupational courses only. Worker Retraining students will receive educational planning and assistance in locating other funding resources while pursuing a certificate or degree program. Call 509.527.4230 in Walla Walla or 509.758.1711 in Clarkston.

Worker Retraining provides:

- Tuition for one quarter for eligible participants
- Over 40 training options available
- Participants may be able to continue to draw unemployment benefits
- Following completion of training program, job search assistance is available from various Worksource and WWCC resources.

WorkFirst

WorkFirst provides free training for parents with dependent children who meet income requirements. Priority is given to TANF (Temporary Assistance to Needy Families) recipients.

The following training opportunities are available through the Walla Walla Community College WorkFirst program:

Customized Job Skills Training

Specialized employment training providing short-course endorsements in demand occupations with living wages.

Integrated Basic Skills Training

Transitional skills training including ABE, GED and ESL and employment competency and soft skills training linked to customized job skills training,

Post Employment Training

Training to enhance employability, improve job retention and increase wage progression.

High Wage High Demand Training

Training for TANF recipients in high wage high demand occupations in the fields of allied health and computer sciences including one year certificates in Practical Nursing and Computer Support or complete of the final year of a two year degree in Nursing or Computer Support.

Work-Based Learning/Work Study

TANF recipient work experience opportunities in conjunction with job skills or basic skills training as identified in the student's training plan and authorized by a DSHS case manager or social worker in an Individual Readiness Plan (IRP).

WorkFirst Financial Aid/Tuition Assistance

Providing tuition, books and fees for students engaged in customized job skills training, post employment training, transitional studies (ABE, GED, ESL fees/books). WorkFirst Financial Aid Tuition Assistance is only provided after other funding sources like Pell grants are utilized. Assistance to apply for other funding sources is also a service provided.

Family Literacy/Basic Skills Training

Training designed to assist TANF and low income parents with barriers to employment to become job ready by addressing, resolving and/or circumventing those barriers. Services and activities focus on development of skills that will better prepare the participant for job search and/or transition into job skills training. Services include family literacy training to improve basic and life skills, Educational interviewing and pre-training to identify career options and prepare participants for transition to customized job skills training, and employment skills training/soft skills training designed to develop foundation skills and workplace competencies to enhance employability.

All services include training, training completion assistance and support, referral to support services, and job placement assistance.

Other Student Services

Childcare On-Campus

The childcare center is open weekdays for children from one to six years old. Hours and costs within the operating day are flexible to accommodate varying schedules. For more information, call 509.527.4544 on the Walla Walla campus and 509.758.1779 on the Clarkston campus. Multicultural Services

Employment Services (Part-time Jobs)

Job specialists are available at the WorkSource Affiliate Walla Walla office in the Main Building on the Walla Walla campus to assist students and the public with job placement and referral for campus jobs and job listings in the community. Assistance with résumé development, job seeking skills and access to local, state, and national labor market information is also provided. Services are also provided for dislocated workers and Worker Retraining students. The phone number of the Work Source office is 509.527.4279. In Clarkston call 509.758.1701, or stop by the Student Services information desk.

Food Service

Breakfast and lunch are prepared and served in Walla Walla by the College cafeteria staff and the Culinary Arts students on weekdays between 7:00 a.m. and 1:30 p.m. Fast food items and snacks are also available at these times. Students and college staff may purchase meal tickets in amounts of \$50, \$25, or \$15 at Business Services. The Bookstore also offers a limited number of food items and snacks.

Housing

Walla Walla Community College does not have on-campus housing or a housing director. However, the Student Development Center has compiled a list of local Walla Walla apartment complexes and various housing opportunities (i.e., roommates, rooms in private homes, etc.) Students are encouraged to begin their housing search four to six weeks before beginning school, and to examine the housing possibilities in person.

Any further questions may be directed to: 509.527.4262 or 509.527.1864 (Walla Walla) or 509.758.1718 (Clarkston).

Multicultural Services

Walla Walla Community College is committed to the success of students of color and other under-represented groups. The Vice President of Student Services and the Multicultural Coordinator ensure the College's support for all students through the development and implementation of programs to enhance their academic, cultural, and social support. Advising, cultural events, orientation, and leadership training are a few of the services provided for students by staff involved in multicultural education.

In addition, the Office of Multicultural Services located on the Walla Walla campus attempts to expand the cultural awareness and appreciation of cultural and racial diversity within the College and the Walla Walla community. Multicultural awareness provides positive steps that affect people on a daily basis and are necessary for racial and cultural acceptance. Whether personal, academic, or community related, the goal of Multicultural Services is to help students and staff successfully cope with the challenges of daily living. Call 527.4440 for more information.

Transportation

The Walla Walla Valley Transit bus system serves the Walla Walla campus, providing transportation from many locations throughout the city. The Valley Transit Company is available on scheduled routes and for Dial-A-Ride in the Lewiston-Clarkston area.

Student Programs

Student Activities

Students at Walla Walla Community College are encouraged to participate in many programs and activities beyond the classroom. Events and activities are provided to assist students in pursuing a great variety of interests, often at low or no cost. These events also provide opportunities for the special talents of our students.

Student Government

Interested students may participate in student government since all registered students are members of the Associated Student Body, which elects officers each year to serve the entire student body. Additionally, a large number of Student Senate positions are available for the student who seeks involvement and leadership experience.

Clubs and Organizations

Any group of students can form a club to promote their common interests. Contact the Student Activities Coordinator for more information on clubs and organizations at 509.527.4261 in Walla Walla; and 509.758.1718 in Clarkston. The following includes clubs on the Walla Walla campus:

| | |
|--|------------------------------|
| Agricultural Technology | Phi Theta Kappa (Honors) |
| Auto Body | Precision Machining |
| Auto Mechanics | Professional Golf Management |
| Baseball | Rodeo |
| Carpentry | Second-Year Nursing |
| Civil Engineering | Softball |
| Computer Technology | Sports Medicine |
| Cosmetology | Student Art Association |
| Diesel Mechanics | Theatre Arts |
| Ecology | TRiO |
| Energy Systems Technology | Turf Equipment |
| Farrier Science | Turf Management |
| Golf | V.I.C.A. |
| Intercultural Students | Vocal Music |
| Intramurals | Volleyball |
| Jazz Band | Warrior Dance Team |
| John Deere I | Water Management |
| John Deere II | Welding |
| Junior American Culinary Federation of Walla Walla Community College | Women's Basketball |
| Men's Basketball | Women's Center |
| Men's Soccer | Women's Soccer |
| Parent Co-op | Women's Softball |
| Phi Beta Lambda | |

The following includes clubs on the Clarkston campus:

| | |
|--------------------|---------------------|
| Carpentry | School Newspaper |
| Cultural Club | Second-Year Nursing |
| First-Year Nursing | Sports Club |
| Phi Beta Lambda | TRiO |
| Phi Theta Kappa | |

Publications

Depending on student interest and need, the ASB produces a publication called *The Warrior Weekly*.

Intramurals

Intramurals is an extracurricular and leisure program designed for students and employees at the Walla Walla campus. Programming reflects a broad spectrum of activities in order to meet the recreational needs and interests of all populations on campus. Program offerings vary from quarter to quarter, with flexibility to accommodate special interests within the student population. Information bulletin boards are located throughout the campus and in the Dietrich Center. The objective of the intramural program is to provide activities and outlets to accommodate the rich diversity of the student population at Walla Walla Community College. Input from students and staff is always welcome.

The Intramural schedule is accessible from the College website: www.wvcc.edu

A sampling of typical activities follows:

| Fall | Winter | Spring |
|--------------------|-------------------|-------------------------|
| Soccer Promotional | Men's Basketball | Co-Ed Indoor Volleyball |
| | Co-Ed Basketball | Co-Ed Beach Volleyball |
| Flag Football | Indoor Soccer | Tennis Tournament |
| Dodgeball | Dodgeball | Dodgeball |
| Kickball | Kickball | Kickball |
| Volleyball | Friday Activities | Friday Activities |

Clarkston students should call 509.758.1726 for information about activities through their sports club.

Office Information:

Director of Intramurals
Dietrich Center 2nd Floor
Tel: 509.527.4311

Intercollegiate Athletics

WWCC is a member of the Northwest Athletic Association of Community Colleges and the National Intercollegiate Rodeo Association, fielding a variety of men's and women's teams. Women may compete in volleyball, soccer, basketball, golf, and softball. Men may compete in basketball, baseball, soccer, and golf. Additionally, WWCC has highly successful men's and women's rodeo teams that compete throughout the Northwest.

Honors Program

The Walla Walla Community College Honors Program offers successful and highly motivated students the chance to advance both their learning and their prospects for college and career advancement through uniquely challenging coursework. Honors students may work toward graduation with honors or may work only for honors in specific subject areas. Transcripts of Honors graduates announce their special achievement and list the specific courses they took for Honors credits. In the ten years since its inception, the program has served over two hundred students, many of whom have benefited from their special recognition as Honors scholars to gain superior job offers or admission and scholarship assistance at top regional colleges and universities.

Students may enroll in the Honors Program if they enter WWCC with a 3.5 high school gpa, or if they have earned at least 15 college credits at WWCC with a 3.5 gpa.

The Honors curriculum offers four different types of academic credit. Honors courses, seminars, and linking seminars bring together instructors and Honors students in limited small-enrollment courses for intense development of specific skills and concentrated study of issues and concepts. Honors modules are inserted into regular college courses; they assign the student additional work in the course and bring students and instructor together for tutorial projects.

Honors students may also participate in the Honors Club, Phi Theta Kappa, which makes field trips around the region and sponsors other social events. In the past, Honors excursions have included trips to Seattle, Vancouver, B.C., and the Ashland Shakespeare Festival in Oregon.

Interested students may contact the Honors Program Committee through the WWCC Academic Education Office at 509.527.4212.

Student Resources

Bookstore

In Walla Walla, the Bookstore is located in the main building and is open daily from 7:30 a.m. to 4:30 p.m., Monday through Friday, with extended hours the first two evenings of each quarter. In Clarkston, the Bookstore is located in the Business Services and is open from 8:00 a.m. to 5:00 p.m., Monday through Fridays with extended hours at the beginning of each quarter. Check with Business Services for posted hours. Summer hours may vary. For more information, call 509.527.4255 in Walla Walla, or 509.758.3339 in Clarkston.

The Bookstore offers many services to the students of Walla Walla Community College. All required texts are available. Special books and items can be ordered on request. A variety of school supplies, snack items, greeting cards, gift items, and clothing may also be purchased. Textbook

buy-back is offered at the end of each quarter. The Warrior Espresso Bar and Post Office Substation are located in the Bookstore on the Walla Walla campus.

Library Services

Walla Walla Community College offers a full array of library services through the library, graphics, and media production areas.

The library, located on the second floor of the main building on the Walla Walla campus, provides services and materials in print and non-print formats. The library collection includes approximately 42,000 volumes and 300 periodical titles. The media collection is available for on- and off-campus use. The print and nonprint collections have been selected to support the curriculum and provide materials for recreational reading and viewing. Students, faculty, and staff may also access media equipment for group and individualized instructional programs.

A variety of computer services offer library users materials through interlibrary loans and database searches. The library is a member of the Walla Walla Area Library Network (WALNET). Library patrons may also access information through several online databases. Microfilm, a scanner, and copy machines are also available in the library.

Graphics and media production services are available to faculty and staff to assist in meeting the goals of the College. Graphics and media production are located in the basement of the main building. These offices are open from 7:30 a.m. to 4:30 p.m., Monday through Friday.

During the academic year, library hours are from 7:30 a.m. to 9:00 p.m., Monday through Thursday; 7:30 a.m. to 4:30 p.m., Friday; and 1:00 p.m. to 5:00 p.m., Sunday. Evening and weekend hours are not provided when classes are not in session.

The Clarkston campus library, with its growing collection of books, periodicals, and audiovisual materials, supports the curriculum at the Clarkston campus. This library is a member of the VALNet and WALnet systems, which link the Clarkston campus to other libraries and their collections in the Clarkston-Lewiston area. Hours are 7:30 a.m. to 9:00 p.m., Monday through Thursday; 7:30 a.m. to 4:00 p.m., Friday.

Tours of the library and instruction in the use of library resources are given to groups on request, and individual assistance is always provided.

For more information call 509.527.4294 in Walla Walla or 509.758.1714 in Clarkston.

Transfer Center

The Transfer Center is located within the Student Development Center in the Main Building in Walla Walla and provides transfer advising on a daily basis from 8:00 a.m. to 4:00 p.m. However, students should make an appointment for one-on-one assistance with transfer information. College handbooks, software, and guides help students in developing transfer plans. The Transfer Center also presents workshops and courses throughout the year for students and faculty advisors. Online advising and transfer information are also available. Call 509.527.4262 for more information in Walla Walla; or call 509.758.1718 or stop by the Student Services desk on the Clarkston campus.

Washington State University Learning Center

Students may access upper-division coursework through offerings, which Washington State University provides on the Walla Walla and Clarkston campuses. A complete list of third and fourth year courses can be obtained by contacting the WSU Learning Center at the Walla Walla campus building at 509.529.5959.

Women's Center

The Women's Center provides support and referral services to students at WWCC. The Center addresses the obstacles and special needs of individuals with personal, professional, and/or educational barriers, including the returning adult learner, single parent, and the displaced homemaker. Call 509.524.5166 in Walla Walla for more information.



OTHER EDUCATIONAL OPPORTUNITIES



Clarkston Center

The Clarkston Center campus primarily serves the surrounding region of Asotin and Garfield counties. Over 1300 full- and part-time students are enrolled annually in the following programs:

- Associate in Arts Degree (AA)—College Transfer Program. The Associate in Arts Degree serves as the first two years of a four-year Bachelors Degree. The Clarkston Center transfers students primarily to WSU, Lewis-Clark State College, and the University of Idaho through articulation agreements.
- Associate Degree in Applied Arts and Sciences (AAAS)—Two year Professional-Technical Degree in specific professional-technical programs
- One-Year Professional-Technical Certificate

Adult Learning Center

Adult basic education including reading, writing, and math for adults.

Art

Art courses are provided in cooperation with the Valley Art Center in Clarkston.

Associated Student Body Clubs

| | |
|--------------------|-----------------------------------|
| Carpentry | School Newspaper |
| Cultural Club | Second-Year Nursing |
| First-Year Nursing | Sports Club |
| Phi Beta Lambda | TRiO |
| Phi Theta Kappa | For Information Call 509.758.1718 |

Business Administration Office Technology

Degrees leading to careers in the following areas: bookkeeper, office assistant, and legal, medical, executive, and financial administrative assistants.

Carpentry

The two-year AAAS in carpentry is available at the Clarkston Center. The program concentrates primarily on residential construction, and students will experience all aspects of construction from foundation to interior finish work.

Early Childhood and Educational Support

Classes are provided with parents and children learning together. Options include a 45-credit certificate in Child and Family Services and Associate in Arts Degree with emphasis in Early Childhood. The program prepares students for employment in preschool, primary and secondary school settings in paraprofessional and teacher aide roles. Forty-five credit certificate AA and AAAS Degree options are available.

English as a Second Language

Offered to individuals whose native language is not English.

Extended Learning Opportunities

Special workshops, seminars, and short courses are offered throughout the year to meet the continuing education needs of those already employed but required to update skills necessary in their professions. Courses available include a wide variety of computer classes, first aid, flagging, nursing assistant, parenting, childcare, EMT, advanced EMT, phlebotomy, and medical lab technology.

GED Preparation

This program is designed to help students pass the five GED tests in Writing Skills, Social Studies, Science, Interpreting Literature and the Arts, and Mathematics. Courses for Spanish GED are also available. The student must be 19 years of age or older or, if between the ages 16 to 19, must have a release signed by the local high school. Upon successful completion, the student will receive a Certificate of Educational Competence (High School Equivalency) from the Washington State Superintendent of Public Instruction and the Executive Director of the Washington State Board for Community and Technical Education.

High School Diploma

Walla Walla Community College is authorized by the State of Washington to grant the Adult High School Diploma to qualified applicants 19 years or older. Persons wanting this credential should provide the Student Development Center with records of past education and work experience. Students 19 and over are eligible for a reduced tuition that does not cover the cost of textbooks.

Nursing

The program is accredited by the National League for Nursing and offers:

- 1-year LPN (Licensed Practical Nurse)
- 2-year RN (Registered Nurse)
- 3 + 1 Articulation with WSU for the four-year Bachelor of Science in Nursing

Call 509.758.1702 for more information.

Counseling and Advising

Special workshops, seminars, and short courses are offered throughout the year to meet the continuing education needs of those already employed but required to update skills necessary in their professions. Call 509.758.1772 for more information.

Childcare On-Campus

The childcare center is open weekdays for children from one to six years old. Hours within the operating day are flexible to accommodate varying schedules. For more information call 509.758.1779

Tutoring

Free peer tutoring can be arranged through the Student Services Office. Call 509.758.1772 with questions.

Persons interested in knowing more about the Clarkston Center should visit the Clarkston campus at 1470 Bridge Street, Clarkston, Washington, or call 509.758.3339 (toll-free 1.877.471.6629). Mailing address: Clarkston Center, P.O. Box 700, Clarkston, WA 99403.

Department of Transitional Studies

The College attempts to help all students acquire the skills needed to reach their educational and occupational goals. The Department of Transitional Studies offers a variety of courses and services to help students upgrade skills in reading, writing, communicating, and mathematics. High school classes that meet Washington State graduation requirements are also offered. Instruction in the English language for non-English speakers is available daily. For more information call 509.527.4305 in Walla Walla and 509.758.1707 in Clarkston.

The following programs and courses (many of them free of charge) are offered by the Department of Transitional Studies.

Pre-College Studies

Courses in reading, writing, math, study skills, spelling, and vocabulary are designed to help the student succeed in college. Students are placed in the appropriate course after being evaluated.

Adult Basic Education (ABE)

Adult Basic Education courses serve students age 18 or older who have not completed high school (students between the ages 16 and 19 must have permission from the last high school they attended). These courses are designed to upgrade basic skills in reading, writing, math, and social studies to the eighth grade level. Students are pre-tested before entering. The program of study is determined individually. Instruction is offered in lecture, individualized lab settings, grouped courses, or via computers.

Adult High School Diploma

Walla Walla Community College is authorized by the State of Washington to grant the Adult High School Diploma to qualified applicants 19 years or older. Persons wanting this credential should provide the Student Development Center with records of past education and work experience. Students 19 and over are eligible for a reduced tuition that does not cover the cost of textbooks.

GED Preparation

This program is designed to help students pass the five GED tests in Writing Skills, Social Studies, Science, Interpreting Literature and the Arts, and Mathematics. Courses for Spanish GED are also available. The student must be 19 years of age or older or, if between the ages 16 to 19, must have a release signed by the local high school. Upon successful completion, the student will receive a Certificate of Educational Competence (High School Equivalency) from the Washington State Superintendent of Public Instruction and the Executive Director of the Washington State Board for Community and Technical Education.

English as a Second Language

Courses in English as a second language are offered to non-native English-speaking students. Instruction is designed to help students acquire skills in understanding, speaking, reading, and writing English. Students are tested and placed at one of six levels according to their ability, and progress is determined individually.

Family Literacy Foundations Families That Work

Families That Work Is designed to assist families in balancing their roles as family member, community member, and worker and to lead them on their journey to success. Eligibility criteria Include: Participation In WorkFirst activities as a TANT (Temporary Assistance to Needy Families) recipient or low-wage earner; parent of at least one child under the age of 18; and meet Federal Poverty Level requirements based on Income and family size. Any parent under age 18 without a high school diploma or GED must follow the Underage Policies and procedures for admittance to this program (signed release from the last school, completed an intake and assessment interview with the Family Literacy coordinator and submit the paperwork to the designee In the Office of Admissions and Records.

The free program combines activities between parents and children; parental training as the primary teacher of their children; family dynamics; growth and development; and adult education component. Families That Work bridges students from basic skills progress to professional-technical and customized job skills training courses.

Family Literacy Foundations/Families That Work operates at the Walla Walla campus 509.529.5454 or 509.527.4287 and at the Clarkston campus 509.758.1261.

Extended Learning

Extended Learning provides a wide variety of programs to fit the needs of individuals and agencies within the community. Professional-Technical and academic courses provide an opportunity to develop or improve job skills, while community service courses add to the traditional college offerings. Community education coordinates programs and distance learning to provide interactive teleconferences, seminars, business, and in-service training.

Center for Business and Professional Development

The Center for Business and Professional Development provides quality education and training opportunities in areas of management and personnel development to businesses, agencies, organizations, and individuals in the Walla Walla Community College District. Training is provided in the form of seminars, workshops, video conferences, and online courses. They are offered at times and locations convenient for participants and/or participating organizations.

A local advisory board helps determine the needs and wishes of the community, suggests programs, and promotes and helps implement them. The demands from local businesses for customized training continue to increase. A developing trend focuses on more specialized training to meet individual business needs. Call 509.527.4582 for more information in Walla Walla.

Community Education and Lifelong Learning

The Office of Community Education and Lifelong Learning designs a wide range of cultural, educational, and social opportunities for adult lifelong learners in the community. The courses are generally self-supporting via enrollment fees paid by the participants and are not offered for credit. Courses may be offered by request if there is sufficient interest. Call 509.527.4329 in Walla Walla and 509.758.1756 in Clarkston.

Distance Learning

The Distance Learning Program is designed to help clients who are in need of post-secondary educational service but who cannot attend fixed time and fixed location classes.

It is anticipated that distance learning students will take selected courses, transfer to four-year institutions or earn certificates and professional-technical degrees via distance learning. Some on-campus students will use Distance Learning to take courses that they otherwise could not take due to schedule conflicts, and others will use Distance Learning to shorten the time they must be away from home and current employment.

As is consistent with the mission of the community college system, the Distance Learning program will serve a diverse clientele that may be seeking a single course, a certification, or a degree for a wide variety of personal reasons. The Distance Learning program will make courses available in a variety of delivery formats that include interactive television (ITV), telecourses and online courses. Call 509.527.4331 in Walla Walla for more information.

Evening College

The College offers a comprehensive program during the late afternoons and evenings. This program is similar to the offerings during the daily schedule at the college. Since the courses at WWCC are standardized, the prerequisites, course content, credit(s), and instructional expertise are identical to the day classes. Most classes start at the beginning of each quarter, and meet regularly (either one or two sessions per week). Courses are generally offered in two blocks of time: Monday/Wednesday, 4:00 to 7:00 p.m. and 7:00 to 10:00 p.m. and Tuesday/Thursday, 4:00 to 7:00 p.m. and 7:00 to 10:00 p.m. periods.

Academic, Professional-Technical, Extended Learning, and Transitional Studies classes are offered during Evening College hours. These classes are offered at the Walla Walla and Clarkston campuses. In addition, specialized community sites are used for specific offerings.

Seniors Programs

The college provides courses of particular interest and value to seniors on a quarterly basis at the Senior Center, nursing homes, and retirement centers. Offerings are credit courses given for audit in such areas as recreation, art, language, computers, writing, and other academic pursuits.

Quest: An Institute for Learning in the Third Age provides opportunities for learning in retirement. It is an affiliate of the Elderhostel Institute Network and is one of over 260 such institutes connected to community colleges and universities throughout the U.S. and Canada. Members of Quest must be at least 50 years of age. A quarterly or annual membership fee covers the cost of a social function each quarter and allows members to take Quest classes that have been specially designed for them.

The State of Washington tuition policy (WAC 131-28-080) allows seniors to audit ongoing WWCC classes on a space-available basis for a reduced fee (maximum of two courses per quarter). All of the state supported classes for seniors, such as those at the Senior Center and through Quest, are offered on an audit basis for reduced tuition. Call 509.527.4329 in Walla Walla for more information.

Small Business Center

The Walla Walla Area Small Business Center provides business skills development counseling, training, and related technical assistance to small business owners, operators, and entrepreneurs in order to improve their potential for business success as evidenced by innovation, growth, expansion, and an ability to compete successfully in a global economic environment.

Business skills development counseling and training is designed to build the acumen necessary to identify and solve short-term problems and to develop and implement a comprehensive business strategy. Technical assistance is provided so that entrepreneurs and business owners can address critical issues impacting the effectiveness and efficiency of operations, processes, or procedures.

The Small Business Center is affiliated with the Partnership for Rural Improvement, a consortium of educational institutions, public service agencies, and citizens in Washington State. The goals of the consortium are to help communities, educational institutions, and public agencies provide community and rural services. Partners include: WSU/SBDC (Small Business Development Center); SBA (Small Business Administration); WMS (Washington Manufacturing Services); and the Port of Walla Walla.

Health Science Education

Allied Health and Safety Education

This department provides a wide variety of safety and continuing health education programs which include: Medic First Aid, First Responder, EMT (Emergency Medical Technician), Nursing Assistant, Fundamentals of Caregiving, Phlebotomy, Chemical Dependency Counseling Course, and Fire Science.

Through the use of classroom instruction with a diversity of clinical hands-on experience, Allied Health professions encompass a wide variety of programs with various levels of health education and training. The department is dedicated to providing excellence in education to meet the changing needs of patients and community. For more information call 509.527.4330 in Walla Walla and 509.758.1702 in Clarkston.

Nursing Assistant

The Nursing Assistant healthcare provider delivers basic nursing care to a variety of patients in various healthcare setting. Upon successful completion, students will be eligible to take the state written and manual skills examination required to become a Certified Nursing Assistant. For more information call 509.527.4462 in Walla Walla and 509.758.1702 in Clarkston.

Health Care Bridge Program

The Health Care Bridge Program strives to recruit and retain bilingual and limited English student who desire to attain a degree or certification in health care and public safety professions. Upon entrance to this program, students will receive advising on goal-setting and acquiring funding sources to complete a degree in the Health Sciences. For more information call 509.527.4462 in Walla Walla.

Nursing Program

The Nursing program encompasses two professional levels of nursing: Practical Nursing and Associate Degree Nursing. Graduates, upon successful completion of the licensing examination, may practice at the designated level. For more information call 509.527.4240 in Walla Walla and 509.758.1702 in Clarkston.

Institute for Enology and Viticulture

The Institute is dedicated to premium wine education and training and includes a teaching winery and vineyard. The Institute was started in January 2000. The teaching winery located on the Walla Walla campus includes: a Hospitality Training Center, a certified wine laboratory, classrooms, and a full-production winery. The teaching vineyard is located at Road 'G' and Highway 12 and includes a certificated nursery and several acres of wine grape varieties that support the Institute's wine production program. In addition, it is a demonstration vineyard that includes a variety of water-application systems, trellising systems, and a wind machine.

The Institute for Enology and Viticulture offers courses with internships that lead to both a one-year Professional Certificate and Associate in Applied Arts and Sciences degree in Enology and Viticulture. Courses are also tailored to meet the specific needs of the wine industry in the Pacific Northwest with special emphasis given to Southeastern Washington grape varieties and wines. Flexibility of the courses allows for seasonal instruction, short courses, and seminars. The Institute also offers courses in sensory evaluation, wine appreciation, consumer education, and hospitality training. For current information, interested students should contact: 509.524.5170 or 509.524.5171; fax 509.522.9895.

Performing Arts

Through its Academic Education programs, Walla Walla Community College provides opportunities for students interested in dance, vocal and instrumental music, fine arts such as sculpture, ceramics, painting, and drawing, and theater. Student vocal and instrumental concerts occur during most quarters in addition to some performance opportunities on- and off-campus (at Walla Walla schools and Walla Walla service groups, for example.) The Theatre Arts Department offers at least one full-length production each quarter. Additional theater opportunities are available through one-act plays, theater for children—typically offered in late spring and early summer, and workshops or seminars focused on special topics. Performances, rehearsals, and workshops currently occur in the China Pavilion (until the new Performing Arts facility is complete). The Theatre Arts and Music Departments also cooperate in the production of the summer WWCC Foundation musical, which runs during July (rehearsals in May and June) in the Fort Walla Walla Amphitheater. The Dance program includes a dance team that provides entertainment at sporting events as well as development and participation at regional and national level competitions, wide range dance classes, from beginning to advanced, choreography, and dance production, and on occasion a dance show performed, choreographed, and produced by students.



DEGREES



Degrees

Each degree includes area of study representing the breadth requirements to be completed. By completing these courses, students will develop skills and understanding related to the College core abilities--communication, critical thinking, personal and professional responsibility, diversity/appreciation of differences, information/technology, and lifelong learning--that shape the overall objectives of each degree.

Students must select courses, as prescribed, from within each area to achieve the expected outcomes.

Cross-Listed Courses

Credit will not be granted for coursework that is below a level already completed that is substantially the same as credit already earned or for both courses when the courses are listed under two titles. The following are examples:

| | |
|----------------------|----------------------|
| AGRI 222 or PSCI 222 | HIST 103 or 109 |
| ASTR 105 or 110 | HIST 115 or PSCI 115 |
| ASTR 106 or 115 | HIST 120 or PSCI 120 |
| ASTR 106 or 120 | JD 101 or JDAS 101 |
| CT 121 or AGRI 108 | JD 110 or JDAS 110 |
| ECE 133 or ED 133 | JD 115 or JDAS 115 |
| ECE 137 or ED 137 | JD 135 or JDAS 135 |
| ECE 141 or ED 141 | JD 190 or JDAS 190 |
| ECE 146 or ED 146 | JD 191 or JDAS 191 |
| ECE 155 or ED 155 | JD 205 or JDAS 205 |
| ECE 160 or ED 160 | JD 220 or JDAS 220 |
| ECE 170 or ED 170 | JD 225 or JDAS 225 |
| ECE 175 or ED 175 | JD 230 or JDAS 230 |
| ECE 231 or ED 231 | JD 290 or JDAS 290 |
| ECE 232 or ED 232 | PSY 206 or CJ 206 |
| ECE 236 or ED 236 | WST 113 or PSY 113 |
| ECE 244 or ED 244 | WST 121 or BIO 121 |
| ECE 246 or ED 246 | WST 124 or ART 124 |
| ECE 261 or ED 261 | WST 139 or PSY 139 |
| ECON 202 or AGRI 202 | WST 220 or SOC 220 |
| GEOG 160 or SOC 160 | WST 251 or LIT 251 |
| HIST 101 or 105 | WST 280 or HIST 280 |
| HIST 102 or 107 | |

Residence Requirements

1. A minimum of 24 credits that apply toward the degree earned at WWCC.
2. A minimum of two (2) quarters in attendance at WWCC.
3. Last 12 credits to be earned at WWCC unless waived by the Vice President of Instruction.

Course Designators For Degree Requirements

These designators are included in course descriptions to indicate which degree requirements specific courses meet.

| | |
|------------------------|------|
| Communications | [C] |
| Humanities | [H] |
| (Performing/Fine Arts) | [HP] |
| Natural Science | [NS] |
| Quantitative Skills | [Q] |
| Physical Education | [PE] |
| Social Science | [S] |

Associate in Arts Degree Requirements (Direct Transfer Agreement)

This degree is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at Walla Walla Community College in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts Degree (AA), a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses to fulfill the learning outcomes as described in this section

Important Notice

Within the Associate in Arts Degree, 75 of the 93 credits should be fully transferable as defined by the receiving baccalaureate institution. Transfer students should plan their degrees in accordance with the requirements of the institution to which they plan to transfer. They should also be aware that colleges within universities may have admission requirements significantly higher than the 2.0 gpa required for the AA Degree and that they may look at performance in specific classes in determining a student's admission.

Selecting the appropriate courses in fulfilling the AA Degree saves students time and expense in completing the requirements of a bachelor's degree. Courses that are considered upper division (junior-senior level) at a baccalaureate institution may need to be repeated if taken at a community college.

Students may meet graduation requirements in the catalog current at the time of their initial enrollment, provided enrollment toward their educational objective is continuous (from quarter to quarter) during the academic years involved. Otherwise, graduation requirements will be those listed in the catalog in use at the time of graduation.

Students intending to transfer courses from professional-technical degrees should consult with department advisor, transfer center staff, and advisor at the baccalaureate institution where they plan to transfer.

COMMUNICATIONS [C]:**At least 13 credits, including one course from each of the three subject areas.****ENGLISH I**

ENG 101 English Composition I 5

ENGLISH II

ENG 102 English Composition II 5

SPEECH

SPCH 101 Fundamentals of Speech 5

SPCH 102 Oral Communications & Interpersonal Relationships 3

SPCH 105 Oral Interpretation 3

HUMANITIES [H] [HP]:**A minimum of 15 credits from three different subject areas including one literature course. No more than 10 credits allowed from any one subject area. No more than 5 credits allowed in modern languages at the 100 level. Up to 5 credits can be taken from selected performing/fine arts classes.****ART**

ART 100 Art Appreciation 5

ART 124 * Women in Art History 5

ART 127 History of Western Art I 5

ART 128 History of Western Art II 5

ART 129 History of Western Art III 5

HISTORY

HIST 101 * Western Civilization I 5

HIST 102 * Western Civilization II 5

HIST 103 * Western Civilization III 5

HIST 105 * World History (Ancient/Medieval) 5

HIST 107 * World History (Early Modern) 5

HIST 109 * World History (Modern) 5

HUMANITIES

HUM 101 Intro to Humanities I 5

HUM 102 Intro to Humanities II 5

HUM 103 Intro to Humanities III 5

HUM 106 Intro to Classic Film 5

HUM 107 American Culture in Film 5

HUM 109 World Arts & Culture 5

HUM 110 Four Perspectives on the History of Ideas 3

HUM 201 Latino Arts & Culture I 3

HUM 202 Latino Arts & Culture II 3

LITERATURE

LIT 111 Arthurian Literature 3

LIT 120 Baseball Lit. & American Culture 3

LIT 140 Intro to Literature 5

LIT 141 Intro to Fiction 5

LIT 142 Intro to Poetry 5

LIT 144 Intro to Film 5

LIT 149 Classic Children's Literature 5

LIT 210 Myth & Folklore 5

LIT 212 African-American Literature 3

LIT 245 American Literature 5

LIT 250 Literature of American Immigration 5

LIT 251 * Voices of Women in Literature 5

LIT 256 Literature of the American West 5

LIT 257 Literature of the Inland Northwest 5

LIT 260 Modern Hispanic & Latino Lit. 5

LIT 261 Native American Literature 3

LIT 265 World Literature 5

LIT 270 Mystery & Spy Novels 3

LIT 271 Science Fiction & Fantasy Literature 5

LIT 272 Medicine & Literature 3

LIT 277 The Bible as Literature 3

MODERN LANGUAGES

(max. 5 credits @ 100 level)

FREN 101, 102, 103 French I, II, III 5 ea.

FREN 201, 202, 203 French IV, V, VI 5 ea.

SPAN 101, 102, 103 Spanish I, II, III 5 ea.

SPAN 201, 202, 203 Spanish IV, V, VI 5 ea.

MUSIC

MUS 101 Music Appreciation 3

MUS 110 History of American Music 5

PERFORMING/FINE ARTS [HP]

(max. 5 credits)

ART 101, 102, 103, 104, 105, 106, 130, 131, 132, 140, 151, 152, 153, 160, 161, 162, 167, 168, 169, 260, 261, 262

THEA 151, 152, 153, 251, 252, 253, 271, 272, 273, 290, 291, 292, 295, 296, 297

MUS 106, 107, 108, 116, 117, 118, 126, 127, 128, 161, 162, 163, 164, 206, 207, 208, 216, 217, 218, 226, 227, 228, 261, 262, 263

PHILOSOPHY

PHIL 101 Intro to Philosophy 5

PHIL 103 Asian Philosophy 5

PHIL 120 Critical Thinking 5

PHIL 131 Intro to Ethics 5

PHIL 220 Symbolic Logic 5

THEATRE

THEA 101 Theatre Appreciation 5

THEA 225 Representative Plays 5

THEA 226 Asian Plays 5

WOMEN'S STUDIES

WST 124 * Women in Art History 5

WST 251 * Voices of Women in Literature 5

SOCIAL SCIENCE [S]:**A minimum of 15 credits from three different subject areas, including one course from anthropology or psychology or sociology. No more than 10 credits allowed from any one subject area.****AGRICULTURE**

AGRI 202 * Microeconomics in Agriculture 5

AGRI 222 * Ag Policy 5

ANTHROPOLOGY

ANTH 101 Intro to Anthropology 5

ANTH 202 Cultural Anthropology 5

BUSINESS

BA 101 Intro to Business 5

CRIMINAL JUSTICE

CJ 101 Intro to Criminal Justice 5

CJ 106 Criminology 5

CJ 202 Crime & Delinquency 5

CJ 206 Psychology for Criminal Justice 5

ECONOMICS

ECON 200 Survey of Economics 5

ECON 201 Fund of Macroeconomics 5

ECON 202 * Fund of Microeconomics 5

EDUCATION

ED 110 Intro to Education 3

GEOGRAPHY

GEOG 201 Intro to World Regional Geography 5

HISTORY

HIST 101 * Western Civilization I 5

HIST 102 * Western Civilization II 5

HIST 103 * Western Civilization III 5

HIST 105 * World History (Ancient/Medieval) 5

HIST 107 * World History (Early Modern) 5

HIST 109 * World History (Modern) 5

HIST 120 * American Presidency 5

HIST 201 American History I 5

HIST 202 American History II 5

HIST 203 American History III 5

HIST 210 Northwest History 5

HIST 211 * U.S. in World Affairs I 5

HIST 212 * U.S. in World Affairs II 5

HIST 240 Western Minority History 5

HIST 250 Intro to Latin America 5

HIST 255 Traditional East Asian Civilization 5

HIST 256 Modern East Asian Civilization 5

HIST 262 The Modern Middle East 5

HIST 280 * Women in US History 5

POLITICAL SCIENCE

PSCI 101 American National Government 5

PSCI 120 * American Presidency 5

PSCI 211 * U.S. in World Affairs I 5

PSCI 212 * U.S. in World Affairs II 5

PSCI 222 * Ag Policy 5

PSYCHOLOGY

PSY 101 Intro to Psychology 5

PSY 103 Developmental Psychology 5

PSY 111 Interpersonal Relationships 3

PSY 113 * Human Sexuality 5

PSY 139 * Psychology of Women 5

PSY 205 Social Psychology 5

PSY 250 Abnormal Psychology 5

SOCIOLOGY

SOC 101 Intro to Sociology 5

SOC 201 Intro Social Problems 5

SOC 204 Drugs and Society 5

SOC 205 Racial/Ethnic Relations 5

SOC 208 Sociology of Intimate & Family Relationships 5

SOC 220 * Gender & Society 5

WOMEN'S STUDIES

WST 113 * Human Sexuality 5

WST 139 * Psychology of Women 5

WST 200 Intro to Women's Studies 5

WST 220 * Gender & Society 5

WST 280 * Women in U.S. History 5

NATURAL SCIENCE [NS]:

A minimum of 15 credits from two different subject areas, including one lab science. No more than 5 credits in mathematics allowed. No more than 10 credits allowed from any one subject area.

AGRICULTURE

AGPR 201 Basic Soil Science 5

ANATOMY & PHYSIOLOGY

BIO 210 Human Anatomy/Physiology I 5
BIO 211 Human Anatomy/Physiology II 5
BIO 212 Human Anatomy/Physiology III 5

ASTRONOMY

ASTR 110 The Solar System 5
ASTR 115 Stellar Astronomy 5
ASTR 120 Galaxies, the Universe & Cosmology 5

BIOLOGY

BIO 105 Exploring Biology I 3 (non lab)
BIO 106 Exploring Biology II 3 (non lab)
BIO 110 Survey of Biology 5
BIO 120 Human Biology 5
BIO 121 * Biology of Women 3 (non lab)
BIO 140 Genetics & Society 3 (non lab)
BIO 151 Cell Biology 5
BIO 160 Bio. Events in History 3 (non lab)
BIO 230 Microbiology 5

BOTANY

BIO 152 General Botany 5
BIO 221 Survey of Plant Identification 5

CHEMISTRY

CHEM 101 Chemistry 5
CHEM 107 General Chem (Health Sciences) 5

CHEM 108 Organic Chem (Health Sciences) 5
CHEM 109 Biochemistry (Health Sciences) 5
CHEM 121 General Chemistry I 5
CHEM 122 General Chemistry II 5
CHEM 123 General Chemistry III 5

ECOLOGY

BIO 130 Modern Ecology 5

ENVIRONMENTAL SCIENCE

ESCI 101 Intro to Environmental Science 5

GEOGRAPHY

GEOG 105 Physical Geography 5
GEOG 170 Intro to Maps & Cartography 5
GEOG 210 Intro to Weather 5
GEOG 211 Intro to Climate & Climate Change 5

GEOLOGY

GEOL 101 Physical Geology 5
GEOL 120 Environmental Earth Science 5
GEOL 130 History of Life on Earth 5 (non lab)
GEOL 201 Historical Geology 5
GEOL 210 Pacific Northwest Geology 5

MATHEMATICS

(max. 5 credits/non lab)

MATH 107 Mathematics: A Practical Exp. 5
MATH 109 Precalculus I 5
MATH 110 Precalculus II 5

MATH 115 Finite Math 5
MATH 121 Survey of Calculus 5
MATH 124 Calculus w/Anal. Geometry I 5
MATH 125 Calculus w/Anal. Geometry II 5
MATH 126 Calculus w/Anal. Geometry III 5
MATH 201 Intro to Statistics 5
MATH 205 Math for Elementary Teachers I 5
MATH 206 Math for Elementary Teachers II 5
MATH 220 Linear Algebra 5
MATH 224 Calculus w/Anal. Geometry IV 5
MATH 238 Differential Equations 5

OCEANOGRAPHY

OCE 101 Intro to Oceanography 5

PHYSICS

PHYS 110 Conceptual Physics 5
PHYS 121 College Physics I 5
PHYS 122 College Physics II 5
PHYS 123 College Physics III 5
PHYS 201 Physics for Science & Eng. I 5
PHYS 202 Physics for Science & Eng. II 5
PHYS 203 Physics for Science & Eng. III 5

WOMEN'S STUDIES

WST 121 * Biology of Women 3 (non lab)

ZOOLOGY

BIO 153 General Zoology I 5
BIO 202 General Zoology II 5

QUANTITATIVE SKILLS [Q]:

5 credits from one of the following subject areas.

MATH

MATH 107 Mathematics: A Practical Exp. 5
MATH 109 Precalculus I 5
MATH 110 Precalculus II 5
MATH 115 Finite Math 5
MATH 121 Survey of Calculus 5
MATH 124 Calculus w/Anal. Geometry I 5
MATH 125 Calculus w/Anal. Geometry II 5
MATH 126 Calculus w/Anal. Geometry III 5
MATH 201 Intro to Statistics 5
MATH 206 Math for Elementary School Teachers II 5
MATH 220 Linear Algebra 5
MATH 224 Calculus w/Anal. Geometry IV 5
MATH 238 Differential Equations 5

SYMBOLIC REASONING

PHIL 220 Symbolic Logic 5

QUANTITATIVE REASONING

CT 131 Intro To Computer Science 5

PHYSICAL ED [PE]:

Three (3) unduplicated activity classes required. Waived for military service and by physician recommendation only. A maximum of six (6) physical education activity credits will be counted toward the AA Degree.

ACTIVITY CLASSES HPER and DANCE 100-199

ELECTIVES: 27 credits

Other college-level courses, of which a maximum of 15 credits may be in college-level courses as defined by the community college, and the remainder shall be fully transferable as defined by the receiving institution. Where appropriate, preparation courses for the major should be included in this course work.

12 CREDITS (FULLY TRANSFERABLE)

15 CREDITS (COLLEGE-LEVEL)

*EQUIVALENT CROSS-LISTED COURSES:

Students may receive credit for only one of the cross-listed courses in each of the following pairs:

AGRI 222 or PSCI 222
ECON 202 or AGRI 202
HIST 101 or 105
HIST 102 or 107

HIST 103 or 109
HIST 120 or PSCI 120
HIST 211 or PSCI 211
HIST 212 or PSCI 212

WST 113 or PSY 113
WST 121 or BIO 121
WST 124 or ART 124
WST 139 or PSY 139

WST 220 or SOC 220
WST 251 or LIT 251
WST 280 or HIST 280

Associate in Business-Direct Transfer Agreement

This transfer agreement is designed so that a student who completes an Associate in Business - DTA degree will have satisfied the lower division general education (or core) requirements and lower division business requirements at the Washington public baccalaureate institutions, subject to the provisos listed in the ICRC Handbook. Students must earn a cumulative gpa of at least a 2.0. Please note that admission for many business schools is competitive, and higher gpa's and course grades are often required. It is strongly recommended that students contact the baccalaureate-granting Business School early in their Associate in Business-DTA degree to be advised about additional requirements (i.e., gpa) and procedures for admission.

Degree Requirements

Communication Skills 15 Credits

| | |
|-------------------|---|
| English 101 | 5 |
| English 102 | 5 |
| Speech 101 | 5 |

Quantitative Skills 5 Credits

| | |
|------------------------------------|---|
| (a) MATH 121 | 5 |
| (a) For EWU, choose MATH 115 | 5 |

Humanities 15 Credits

Course selections must meet the Humanities distribution requirements for the AA degree.

(f) Foreign language may be required for international business majors and is required for admission to U of WA.

Social Sciences 15 Credits

| | |
|--------------------------|---|
| ECON 201 | 5 |
| ECON 202 | 5 |
| PSY 101 or SOC 101 | 5 |

Natural Sciences 15 Credits

Course selections must meet the Natural Science distribution requirements for the AA degree.

| | |
|--|----|
| (g) Lab Science | 5 |
| (g) Science | 5 |
| Math 201 | 5 |
| (g) For WWU, Manufacturing Management requires CHEM 101 and PHYS 110 | 10 |

Physical Education 3 Credits

Three unduplicated activity courses are required.

Business Specific Courses 20 Credits

| | |
|------------------------|---|
| ACCT 201 | 5 |
| ACCT 202 | 5 |
| ACCT 203 | 5 |
| BA 251 or BA 252 | 5 |

General Electives

10 Credits

| | |
|----------------------------|-----------|
| BA 101 | 5 |
| BA 251 or | 5 |
| (d) BA 252 | 5 |
| (d) CT 103 | 5 |
| (d) (e) CT 121 | 5 |
| (f) Foreign Language | 5 |
| MATH 109 | 5 |
| (c) (d) (e) MATH 115 | 5 |
| (b) PSCI | 5 |
| Grand Total | 98 |

EPC: 001B

(a) For EWU, choose MATH 115

(b) WSU requires a PSCI course to meet graduation requirements

(c) Required by EWU

(d) Required by WSU

(e) Recommended by CWU

(f) Foreign language may be required for international business majors and is required for admission to U of WA.

Associate in Science Transfer Degree

The Associate in Science Transfer Degree, is intended for students majoring in science who wish to transfer as juniors to four-year institutions in Washington. Three different options are offered: 1) biological science, chemistry, geology, and earth science 2) computer science, physics, atmospheric science and engineering or 3) agriculture. This degree allows students to concentrate on fulfilling pre-major coursework in their intended field of study.

Students may earn an Associate in Science (AS) Degree, which is designed for those who complete a 93 credit program that is parallel with the first two years of a baccalaureate institution to which they intend to transfer. A cumulative gpa of 2.0 or higher is required for successful completion of this degree.

Coursework is concentrated in specific mathematics and sciences requirements. Additional coursework in general education, humanities and social sciences will be required at the transfer institution. Some remaining general education requirements may be satisfied with upper division courses. Students need to meet with department advisors at the baccalaureate institution to determine appropriate educational plan.

Option I

Biological Science; Chemistry; Environmental/Resource Sciences; Geology and Earth Sciences

General Education Requirements: 78 Credits

COMMUNICATION SKILLS:

A minimum of eight (8) credits, including one course from each of the two course areas.

English Composition.....ENG 101, 102

SpeechSPCH 101

QUANTITATIVE SKILLS:

At least fifteen (15) credits in courses at or above introductory calculus level.

Mathematics.....MATH 124, 125, 126, 201, 220,
224, 238

HUMANITIES AND SOCIAL SCIENCES:

At least fifteen (15) credits: a minimum of five (5) credits in humanities, a minimum of five (5) credits in social sciences, plus an additional five (5) credits in either humanities or social sciences for a total of fifteen (15) credits. No more than five (5) credits in modern languages at 100 level.

Humanities:

Art.....ART 100, 124, 127, 128, 129

HistoryHIST 101, 102, 103, 105, 107, 109

Humanities.....HUM 101, 102, 103, 106, 107,
110, 201, 202

Literature.....LIT 111, 120, 140, 141, 142, 144,
149, 210, 212, 242, 245, 250, 251,
256, 257, 260, 261, 262, 270, 271,
277

Modern LanguagesSPAN 101, 102, 103, 201, 202,
203, FREN 101, 102, 103, 201,
202, 203.

MusicMUS 101, 110

Performing/Fine Arts.....ART 101, 102, 103, 104, 105, 106,
130, 131, 132, 151, 152, 153, 160,
161, 162, 167, 168, 169, 260, 261,
262
MUS 106, 107, 108, 116, 117,
118, 126, 127, 128, 161, 162, 163,
164, 206, 207, 208, 216, 217, 218,
226, 227, 228, 261, 262, 263
THEA 151, 152, 153, 251, 252,
253, 271, 272, 273, 290, 291, 292,
295, 296, 297

PhilosophyPHIL 101, 103, 120, 131, 220

Theatre ArtsTHEA 101, 225, 226

Women's Studies.....WST 124, 251

Social Sciences:

AgricultureAGRI 222

AnthropologyANTH 101, 202

BusinessBA 101

Criminal JusticeCJ 101, 106, 202, 206

Economics.....ECON 200, 201, 202/AGRI 202

EducationED 110

GeographyGEOG 160, 201

HistoryHIST 101, 102, 103, 105, 107, 109,
115, 120, 201, 202, 203, 210, 240,
250, 252, 255, 256, 280

Political Science.....PSCI 101, 115, 120, 222

PsychologyPSY 101, 103, 111, 113, 139, 205,
206

SociologySOC 101, 160, 201, 204, 205, 208,
220

Women's Studies.....WST 113, 139, 200, 220, 280

NATURAL SCIENCES:

A minimum of forty (40) credits, including fifteen (15) credits of chemistry for science majors; fifteen (15) credits of biology for science majors or physics.

Additionally, a minimum of ten (10) credits in physics, geology, organic chemistry, biology or mathematics, consisting of courses normally taken by science majors, preferably in a 2 or 3 quarter sequence.

ChemistryCHEM 121, 122, 123

BiologyBIO 151, 152, 153

PhysicsPHYS 121, 122, 123, 201, 202,
203

10-15 credits from courses above not previously taken or from below:

AstronomyASTR 110, 115, 120

Biology.....BIO 130, 210, 211, 212

GeographyGEOG 105, 170, 210, 211

GeologyGEOL 101, 120, 130, 201

Mathematics.....126, 201, 220, 224, 238

Additional Requirements: 15 Credits

PHYSICAL EDUCATION:

Three (3) unduplicated activity courses required. A maximum of six (6) physical education activity credits will be counted toward the AS Degree. Waived for military service and physician recommendation only.

DANCE100-199

HPER.....100-199

GENERAL ELECTIVES:

Seven (7) to twelve (12) credits from any course numbered 100 or above may be counted toward general electives for graduation. Exception: A maximum of six (6) physical education activity credits will be counted toward the AS Degree. The College may offer quarterly courses not listed in the catalog. Consult your advisor to see if those courses are applicable to your major.

Important Notice

Transfer students should plan their degrees in accordance with the requirements of the institution to which they plan to transfer. They should also be aware that colleges within universities may have admission requirements significantly higher than the 2.0 gpa required for the AS Degree and that they may look at performance in specific classes in determining a student's admission.

Selecting the appropriate courses in fulfilling the AS Degree saves students time and expense in completing the requirements of a bachelor's degree. Courses that are considered upper division (junior-senior level) at a baccalaureate institution may need to be repeated if taken at a community college.

Students may meet graduation requirements in the catalog current at the time of their initial enrollment, provided enrollment toward their educational objective is continuous (from quarter to quarter) during the academic years involved. Otherwise, graduation requirements will be those listed in the catalog in use at the time of graduation.

Option II

Engineering, Computer Science, Physics and Atmospheric Sciences

General Education Requirements: 63 Credits

COMMUNICATION SKILLS:

At least eight (8) credits, including one course from each of the two course areas.

English Composition.....ENG 101, 102
SpeechSPCH 101

QUANTITATIVE SKILLS:

At least fifteen (15) credits in courses at or above introductory calculus level.

Mathematics.....MATH 124, 125, 126, 201, 220,
224, 238

HUMANITIES AND SOCIAL SCIENCES

At least fifteen (15) credits: a minimum of five (5) credits in humanities, a minimum of five (5) credits in social sciences, plus an additional five (5) credits in either humanities or social sciences for a total of fifteen (15) credits. No more than five (5) credits are allowed in modern languages at the 100 level.

Humanities:

Art.....ART 100, 124, 127, 128, 129
HistoryHIST 101, 102, 103, 105, 107, 109
Humanities.....HUM 101, 102, 103, 106, 107, 109,
110, 201, 202

Literature.....LIT 111, 120, 140, 141, 142, 144,
149, 210, 212, 245, 250, 251, 256,
257, 260, 261, 270, 271, 272, 277
Modern LanguagesSPAN 101, 102, 103, 201, 202,
203; FREN 101, 102, 103, 201,
202, 203
MusicMUS 101, 110
Performing/Fine Arts.....ART 101, 102, 103, 104, 105, 106,
130, 131, 132, 151, 152, 153, 160,
161, 162, 167, 168, 169, 260, 261,
262
MUS 106, 107, 108, 116, 117, 118,
126, 127, 128, 161, 162, 163, 164,
206, 207, 208, 216, 217, 218, 226,
227, 228, 261, 262, 263
THEA 151, 152, 153, 251, 252, 253,
271, 272, 273, 290, 291, 292, 295,
296, 297
PhilosophyPHIL 101, 103, 120, 131, 220
Theatre Arts.....THEA 101, 225, 226
Women's Studies.....WST 124, 251

Social Sciences:

AgricultureAGRI 202, 222
AnthropologyANTH 101, 202
BusinessBA 101
Criminal JusticeCJ 101, 106, 202, 206
Economics.....ECON 200, 201, 202/AGRI 202
EducationED 110
GeographyGEOG 160, 201
HistoryHIST 101, 102, 103, 105, 107, 109,
115, 120, 201, 202, 203, 210, 240,
250, 252, 255, 256, 280
Political Science.....PSCI 101, 115, 120, 222
PsychologyPSY 101, 103, 111, 113, 139, 205,
250
SociologySOC 101, 160, 201, 204, 205, 208,
220
Women's Studies.....WST 113, 139, 200, 220, 280

NATURAL SCIENCES:

A minimum of twenty (20) credits, including a sequence of fifteen (15) credits in physics (with lab); five (5) credits in chemistry (with lab for engineering majors).

PhysicsPHYS 121, 122, 123, 201, 202,
203
ChemistryCHEM 121

COMPUTER SCIENCE:

Five (5) credits in computer programming language (based on requirements of specific discipline at baccalaureate institution where student plans to attend)

Computer TechnologyCT 130, 131

Additional Requirements: 30 Credits**PHYSICAL EDUCATION:**

Three (3) unduplicated activity courses required. A maximum of six (6) physical education activity credits will be counted toward the AS Degree. Waived for military service and physician recommendation only.

GENERAL ELECTIVES:

The remaining twenty-seven (27) credits should be planned with the help of an advisor based on the requirements of the specific discipline at the baccalaureate institution where the student plans to attend. Suggested courses could include:

Mathematics.....MATH 126, 201, 220, 224, 238

Chemistry.....CHEM 122, 123

Any course numbered 100 or above may be counted toward general electives for graduation. Exception: A maximum of six (6) physical education activity credits will be counted toward the AS Degree. The College may offer quarterly courses not listed in the catalog. Consult your advisor to see if those courses are applicable to your major.

Important Notice

Transfer students should plan their degrees in accordance with the requirements of the institution to which they plan to transfer. They should also be aware that colleges within universities may have admission requirements significantly higher than the 2.0 gpa required for the AS Degree and that they may look at performance in specific classes in determining a student's admission.

Selecting the appropriate courses in fulfilling the AS Degree will save time and expense in completing the requirements of a bachelor's degree. Courses that are considered upper division (junior-senior level) at a baccalaureate institution may need to be repeated if taken at a community college.

Students may meet graduation requirements in the catalog current at the time of their initial enrollment, provided enrollment toward their educational objective is continuous (from quarter to quarter) during the academic years involved. Otherwise, graduation requirements will be those listed in the catalog in use of the time of graduation. A high school diploma or GED should be held by a student before a degree is issued.

Option III

An Associate in Science Degree option also exists for students transferring to specific baccalaureate institutions where agreements exist for students who earned these degrees at WWCC:

- Associate in Science Degree (Agricultural Science) articulation agreement to WSU for Bachelor in Science Degree in Agricultural Science
- Associate in Science Degree (Agricultural Science) articulation agreement to WSU for Bachelor in Science Degree in Agriculture Technology and Management

Associate in Applied Science - Transfer Degree

This degree provides students the technical coursework required for job preparation, while including a college-level general education component. Coursework is concentrated in specific mathematics and sciences requirements. Additional coursework in general education, humanities and social sciences will be required at the transfer institution. Some remaining general education requirements may be satisfied with upper division courses. Students need to meet with department advisors at the baccalaureate institution to determine appropriate educational plan.

Several baccalaureate institutions have specific bachelor degree programs that accept the Associate in Applied Science-Transfer Degree. Students seeking to transfer to degree programs other than those specifically designed for the AAS-T are urged to consider the Associate in Science Degree in preparation for transfer.

Associate in Applied Science - Transfer Degree

(Civil Engineering Technology -TAC/ABET)

This degree provides students the technical coursework required for job preparation, while including a college-level general education component. Coursework is concentrated in specific mathematics and sciences requirements. Additional coursework in general education, humanities and social sciences will be required at the transfer institution. Some remaining general education requirements may be satisfied with upper division courses. Students need to meet with department advisors at the baccalaureate institution to determine appropriate educational plan.

Transferability: Several baccalaureate institutions have specific bachelor degree programs that accept the Associate in Applied Science-Transfer (AAS-T) Degree. Students seeking to transfer to degree programs other than those specifically designed for the AAS-T are urged to consider the Associate in Science Degree in preparation for transfer.

AAAS DEGREE

Year One

| Quarter One | Credits |
|----------------------------------|-----------|
| CET 141, Engineering Graphics ** | 4 |
| ENG 101, English Composition I * | 5 |
| MATH 109, Precalculus I * | 5 |
| Science Elective*** | 5 |
| Total Credits | 19 |

| Quarter Two | Credits |
|--|-----------|
| CET 151, Computer Aided Drafting and Design ** | 3 |
| CET 242, Properties of Materials ** | 4 |
| Approved Elective**** | 5 |
| MATH 110, Precalculus II *** | 5 |
| Total Credits | 17 |

| Quarter Three | Credits |
|--|-----------|
| CET 100, Estimating ** | 3 |
| CET 160, Elementary Surveying ** | 6 |
| CET 226, Concrete and Asphalt Pavements ** | 3 |
| Mathematics Elective*** | 5 |
| Total Credits | 17 |
| Year One Total | 53 |

Year Two

| Quarter One | Credits |
|---|--------------|
| CET 161, Advanced Surveying ** | 6 |
| CET 220, Engineering Mechanics - Statics ** | 5 |
| Science Elective*** | 5 |
| SPCH 101 or SPCH 102 or SPCH 105 * | 3 - 5 |
| Total Credits | 19-21 |

| Quarter Two | Credits |
|---|-----------|
| CET 222, Engineering Mechanics - Strength of Materials ** | 5 |
| Humanities, Social Science or Natural Science Elective* | 5 |
| Science Elective*** | 5 |
| Total Credits | 15 |

| Quarter Three | Credits |
|---|----------------|
| CET 201, Engineering Construction Management ** | 4 |
| CET 221, Engineering Design Fundamentals ** | 5 |
| Science Elective*** | 5 |
| PSY 101, Introduction to Psychology * | 5 |
| Total Credits | 19 |
| Year Two Total | 53-55 |
| Grand Total | 106-108 |

EPC: 612R

* ENG 101 or higher fulfills the communication requirement.

* MATH 109 or higher fulfills the computation mathematics requirement.

* PSY 101 fulfills the human relations requirement.

* Refer to the AA guidelines for approved Humanities, Social Science or Natural Science; and Speech requirements.

** Core Civil Engineering Technology course work

*** Required Electives (35 credits):

15 credits of the following: MATH 109, 110, 115, 121, 124, 125, 126, 201, 22, 224, 238

20 credits of the following: CHEM 101, 121, 122, 123; PHYS 121, 122, 123; PHYS 201, 202, 203

**** Suggested Electives (23 credits):

Civil Engineering Technology: All other CET courses

Mathematics: All other MATH courses 110 or higher

Physics: All PHYS courses 121 or higher

Computer Programming: CT 130, 131, and 150

Geography: GEOG 210

Geology: GEOL 101

Associate in Applied Arts and Sciences Degree

This Associate in Applied Arts and Sciences (AAAS) Degree is designed primarily for students planning to enter a career directly upon graduation. Requirements include the following:

- A minimum of 90 quarter credits in an approved program.
- Six quarters of instruction or the instructor's recommendation.
- Two quarters in residence at WWCC, including the quarter prior to graduation.
- A minimum of 24 quarter credits within the specified program must be taken in residence.
- A cumulative gpa of 2.0.
- A minimum of 18 credits in related instruction.
- Certain professional-technical programs require minimum proficiency levels and/or a minimum number of clock hours of attendance.
- Most professional-technical programs have program-specific requirements; see course sequences and degree requirements listed under each program.

Related Instruction Requirements: 18 Credits

Additional related studies courses may be developed or approved. See a current quarterly class schedule for additional information.

Courses designated as meeting related instruction requirements for certificates and degrees are listed in each professional-technical program course sequence. These courses utilize the following initials:

W = Written Communications

O = Oral Communications

R = Human Relations

J = Job Seeking Skills

L = Leadership Development

M = Computation

WRITTEN COMMUNICATIONS:

At least three (3) credits from the following list:

| | |
|-----------|-------------------------|
| ENG 100 | Expository Writing |
| ENG 101 | English Composition |
| BA 137 | Business Communications |
| WRITE 100 | Vocational Writing |
| WRITE 110 | Technical Writing |

ORAL COMMUNICATIONS:

At least three (3) credits from the following list:

| | |
|-----------|---|
| SPCH 101 | Fundamentals of Speech |
| SPCH 102 | Oral Communications and Interpersonal Relationships |
| OCSUP 102 | Oral Communication in the Workplace |

COMPUTATION / MATHEMATICS:

Students should check with their advisor for the minimum level of computation required in their program. At least five (5) credits from the following list:

| | |
|----------------|--|
| BA 112 | Business Mathematics |
| CUL 107 | Culinary Measurements and Calculations |
| MATH | Mathematics to include Math 049, Math 050, Math 065 or higher |
| OCSUP 106..... | Applied Mathematics I |
| OCSUP 108..... | Applied Mathematics II |

HUMAN RELATIONS:

At least three (3) credits from the following list:

| | |
|--------------------|---|
| BA 102 | Customer Service |
| BA 157 | Human Relations in Business |
| OCSUP 101..... | Job Psychology: Workplace and Educational Success Skills |
| PSY 101..... | Introduction to Psychology |
| PSY 111..... | Effective Interpersonal Relationships |
| WMGT 192/292 | Cooperative Seminar I/II |

JOB SEEKING SKILLS:

At least three (3) credits from the following list:

| | |
|----------------|-----------------------------|
| AGPR 100 | Orientation to Agriculture |
| BA 292 | Business Leadership Seminar |
| DIT 191 | Digital Imaging Portfolio |
| OCSUP 103..... | Job Seeking Skills |
| PSY 140..... | Career and Life Planning |

LEADERSHIP:

At least one (1) credit from the following list:

| | |
|--------------------------|-----------------------------|
| 299..... | Leadership |
| BA 192 | Business Leadership Seminar |
| DIT 191 | Digital Imaging Portfolio |
| PSCI 125, 126, 127 | Student Leadership |

Certificates and Endorsements

Students who complete core courses in one year of an approved professional-technical program and nine credits of related instruction may receive a certificate upon request from the student.

A Short Program Endorsement may be provided to completers of state authorized programs upon request from the student. The authorized Short Program Endorsement requires 19 credits (or fewer) and are completed in one quarter (or fewer). See the degree descriptions in the catalog.

Academic Transfer Information

Walla Walla Community College offers courses in most academic areas. Transfer students, by earning an Associate in Arts (AA) degree or Associate in Science (AS) degree, can satisfy general university requirements normally taken during the freshman and sophomore years. With the assistance of

an academic advisor, students can also organize their studies to satisfy the lower-division requirements of most college majors. Earning the AA or AS Degree prepares most students to transfer with junior standing to all public and most private baccalaureate institutions in Washington State. However, programs or departments within a college or university may have special requirements for lower division students; it is best to consult the transfer institution's catalog to determine these requirements. The AS Degree will serve those students intending to complete the required coursework for pre-professional programs at selected baccalaureate institutions.

For more information about transfer programs, contact the Academic Education Office (509.527.4212), the Student Development Center (509.527.4262) or the Transfer Center (509.527.3679) in Walla Walla and (509.758.1718) in Clarkston.

Associate in Arts Transfer Degree

Students who complete the AA Degree will have satisfied most of the basic science and many core requirements at the various baccalaureate institutions. This generally means AA transfer students can begin work in their major field of study as soon as they transfer, but they may still have some general undergraduate requirements to complete.

Associate in Science Transfer Degree

Students who complete the AS Degree will have satisfied most of the basic science and many core requirements at the various baccalaureate institutions. This generally means AS transfer students can begin work in their major field of study as soon as they transfer, but they will still have some general undergraduate requirements to complete.

Pre-Professional Associate Degrees

In some cases, the direct transfer AA Degree is not the most appropriate transfer plan. Students who wish to design their transfer program to a specific department within a baccalaureate institution might find it useful to work with advisors at both the community college and the university to assure that general and special departmental requirements and prerequisites are met prior to transfer. This is particularly appropriate for engineering, business administration, and other pre-professional programs. The Associate in Science Degree may be appropriate for these students. Please consult your advisor or the Transfer Center located in the Student Development Center on the Walla Walla campus or Student Services at the Clarkston Center.

Transfer to Four-Year College or University

Reciprocity Agreement: Washington Community and Technical Colleges (CTC) offer reciprocity to students transferring within the CTC system who are pursuing the Direct Transfer Agreement (DTA) degree or the Associate in Science—Transfer (AS-T) degree. Students who have

completed an individual course that met distribution degree requirements or fulfilled entire areas of their degree requirements at one college will be considered to have met those same requirements if they plan to complete the same degree when they transfer to another community or technical college in Washington. These degree requirements include Communication Skills, Quantitative Skills, or one or more Distribution Area requirements. Students must initiate the review process and must be prepared to provide necessary documentation. For complete information, students should contact the Vice President of Instruction.

While the agreements with Baccalaureate institutions assure the transfer of credit, the admission to a particular university or university program is not assured. Each institution has separate admission criteria which can be based on grades, prerequisite coursework, test scores, and other considerations.

Students who plan to transfer to a university should attend a college transfer workshop, work with a community college advisor, and make early contact with the university relative to when they might transfer.

Many universities have advisors who visit WWCC. Students are encouraged to visit with these representatives when they are on campus.

Professional-Technical Information

Professional-Technical programs provide instruction in the knowledge and skills required in a wide variety of occupations that demand education beyond high school. Students prepare for employment by completing a two-year Associate degree in Applied Arts and Sciences or by completing shorter-term certificate programs. Also offered are refresher, update, and improvement courses for students with occupational experience. Programs are taught by skilled, industry-knowledgeable instructors who are guided by industry advisory committees and state and national industry skill standards. In many fields Professional-Technical education may enhance employment opportunities by providing the student with the education and industry certifications desired by employers.

Alternatives for the Transfer of Professional-Technical Programs

Some colleges and universities offer special transfer arrangements for students in professional-technical programs to work toward a baccalaureate degree. Other alternatives for the transfer of professional-technical programs are being developed by individual colleges. Students should contact the admissions office at the baccalaureate institutions for specific details.

Student's Right In The Transfer Process

The Higher Education Coordinating Board for the State of Washington has published a "Policy on Intercollege Transfer and Articulation Among Washington Public Colleges and Universities," which spells out the student's rights in the transfer process.

This policy states, in part, "Students have the right to expect fair treatment from the public colleges and universities of Washington, both sending and receiving institutions. They have, in turn, the responsibility of seeking out current information pertaining to their educational objectives and for acquiring appropriate information when they change their academic plans. When a student changes a major or degree program, the student shall assume full responsibility for meeting the new requirements. Colleges shall make every effort to help students make transitions as smoothly as is feasible."



DEPART-



Accounting Technology

AAAS, CERTIFICATE

<http://wwcc.edu/accounting>

| | | |
|----------------------|--------------|--------------------------|
| Dan Biagi | 509.527.4235 | daniel.biagi@wwcc.edu |
| Frank Lyons | 509.527.4234 | francis.lyons@wwcc.edu |
| Lisa Greenville- Clk | 509.758.1715 | lisa.greenville@wwcc.edu |
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Department Overview: Accounting Technology has a broad focus that emphasizes the skills required for a successful career in accounting or bookkeeping. Students take a variety of courses in subjects such as financial accounting, payroll accounting, tax accounting, and managerial accounting. Students also become proficient with several computer accounting systems. Select courses are available through distance delivery. The Accounting Technology curriculum is reviewed by an advisory board composed of local and regional industry members.

Mission: Because we believe the most critical factor of success is confidence, we make every effort to foster self-esteem throughout the department, empowering students to perform successfully in business-related careers and/or at the baccalaureate level.

Goals:

- Program completers will demonstrate technical competency in core ability and related instruction curriculum components.
- Students who have declared a program major will complete that program of study.
- Student and employer satisfaction will reflect a high degree of self-esteem, self-confidence, and the potential to grow within that job or business.
- Students completing the AAAS degree will become employed in a living wage job, with benefits.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Accounting Technology, upon completion of a two-year program of study. A Bookkeeping Certificate is also available.

Industry Description: Accounting is an extensive subject with many components, such as financial accounting, tax accounting, cost accounting, and governmental accounting. Every organization has a need for accountants and bookkeepers to pay employees, file tax returns, and report to governmental agencies. This profession consequently has many and varied job opportunities for trained personnel. Due to recent shifts in the labor industry, a shortage of trained accountants has developed. This trend combined with changes in tax laws and increased disclosure requirements have generated an increased value placed upon people in the business world that have accounting skills.

Entrance Requirements: Students may enter the program fall, winter or spring quarter, however, due to course sequencing it is recommended to begin in the fall. A placement test offered by the Student Development Center must be completed prior to admittance to the program.

Other Information: For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Accounting Technology

This technical degree prepares the student to enter the business world in a variety of private and public accounting occupations. The program is also designed for the individual who is interested in improving their current accounting or bookkeeping skills.

Transferability: The AAAS degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|--|-----------|
| ACCT 201, Principles of Accounting I | 5 |
| BA 101, Introduction to Business..... | 5 |
| BA 112, Business Mathematics (M)..... | 5 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |
| Total Credits..... | 20 |

| Quarter Two | Credits |
|---|-----------|
| ACCT 202, Principles of Accounting II | 5 |
| BA 136, Business Communications I | 5 |
| CT 121, Computer Software Principles | 5 |
| OT 125, Introduction to Word Processing | 5 |
| Total Credits..... | 20 |

| Quarter Three | Credits |
|---|-----------|
| ACCT 203, Managerial Accounting | 5 |
| BA 137, Business Communications II (W)..... | 5 |
| BA 217, Computer Software Applications..... | 5 |
| OT 218, Desktop Calculator..... | 5 |
| Total Credits..... | 20 |
| Year One Total..... | 60 |

Year Two

| Quarter One | Credits |
|--|--------------|
| ACCT 204, Intermediate Accounting I | 5 |
| ACCT 209, Cost Accounting..... | 5 |
| BA 157, Human Relations in Business (R)..... | 5 |
| BA 181, Cooperative Work Experience I..... | 2 - 5 |
| BA 182, Business Leadership Seminar I | 3 |
| Total Credits..... | 20-23 |

| Quarter Two | Credits |
|---|--------------|
| ACCT 205, Intermediate Accounting II | 5 |
| ACCT 216, Principles of Income Tax | 5 |
| BA 191, Cooperative Work Experience II..... | 2 - 5 |
| BA 192, Business Leadership Seminar II (L)..... | 3 |
| Total Credits..... | 15-18 |

Quarter Three**Credits**

| | |
|--|----------------|
| ACCT 115, Integrated Computer Applications for Accounting..... | 5 |
| ACCT 175, Payroll Accounting..... | 5 |
| BA 291, Cooperative Work Experience III..... | 2 - 5 |
| BA 292, Business Leadership Seminar III (J) | 3 |
| Total Credits..... | 15-18 |
| Year Two Total..... | 50-59 |
| Grand Total..... | 110-119 |

EPC: 505

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - BA 292

(W) - BA 137

(L) - BA 192

(M) - BA 112

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 157

| | |
|-------------------------------|---------------------------|
| (J) - Job Seeking Skills | (L) - Leadership |
| (M) - Computation/Mathematics | (O) - Oral Communications |
| (W) - Written Communications | (R) - Human Relations |

Certificates**Certificate****Bookkeeping Certificate**

This certificate prepares the student to compute, classify, record, and verify numerical data in order to develop and maintain financial records.

Year One**Quarter One****Credits**

| | |
|---|-----------|
| BA 112, Business Mathematics (M)..... | 5 |
| BA 136, Business Communications I | 5 |
| OT 122, Records Management | 5 |
| OT 125, Introduction to Word Processing | 5 |
| Total Credits..... | 20 |

Quarter Two**Credits**

| | |
|--|-----------|
| ACCT 201, Principles of Accounting I | 5 |
| BA 157, Human Relations in Business (R)..... | 5 |
| CT 121, Computer Software Principles | 5 |
| OT 126, Intermediate Word Processing | 5 |
| OT 218, Desktop Calculator..... | 5 |
| Total Credits..... | 25 |

Quarter Three**Credits**

| | |
|--|--------------|
| ACCT 115, Integrated Computer Applications for Accounting..... | 5 |
| ACCT 175, Payroll Accounting..... | 5 |
| BA 137, Business Communications II (W)..... | 5 |
| BA 181, Cooperative Work Experience I..... | 2 - 5 |
| BA 182, Business Leadership Seminar I | 3 |
| BA 217, Computer Software Applications..... | 5 |
| Total Credits..... | 25-28 |
| Year One Total..... | 70-73 |
| Grand Total..... | 70-73 |

EPC: 505A

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(W) - BA 137

(M) - BA 112

(R) - BA 157

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Adult Basic Education / GED<http://wwcc.edu/ged>

| | | |
|----------------------|--------------|--------------------------|
| Terri Trick | 509.527.4348 | terri.trick@wwcc.edu |
| Billie Havens- Clk | 509.758.1707 | billie.havens@wwcc.edu |
| Karen Van Stone- Clk | 509.758.1708 | karen.van.stone@wwcc.edu |

Department Overview: Adult Basic Education / GED is designed to enable those who have not completed high school to earn the General Education Development (GED). Adult Basic Education also serves those needing a review of basic skills before entering other college programs.

Adult Basic Education / GED courses serve adults (18 years or older) who need to upgrade their skills in reading, writing, and math. Students are administered a placement test upon entry. This test is a Washington State requirement and is for placement purposes only. Program of study is then determined individually. Instruction is offered via individual study, structured courses, learning communities, and computers. The program is provided in both English and Bilingual/Spanish to meet individual student needs.

Entrance Requirements: Students may register any time during the quarter and there is a \$25 fee per quarter.

Agri-Business**AA, AAAS, CERTIFICATE**<http://wwcc.edu/agbusiness>

| | | |
|----------------|--------------|-------------------------|
| Debbie Frazier | 509.527.4689 | debora.frazier@wwcc.edu |
|----------------|--------------|-------------------------|

Department Overview: Agri-Business combines knowledge and skills from the fields of general agriculture and business administration to prepare students for the management functions involved with the production and marketing of agricultural commodities. The Agri-Business curriculum is reviewed by an advisory board composed of local and regional industry members.

Mission: Inspiring students to reach their fullest potential in terminal, transfer, and job-related courses of study.

Goals:

- To market, recruit, and retain students in programs within the division.
- Certify programs using industry skill standards.
- Articulate programs horizontally with other WWCC programs and vertically with four-year universities and regional high schools.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Agri-Business upon completion of the two-year program of study. The Agri-Business program also offers specialized degrees in Wine Marketing and Management or John Deere Dealer Management. One-year certificates are available upon completion of the first year of study in the AAAS Degree programs.

The Associate in Arts Degree is a transfer degree that prepares the student for continued education at a baccalaureate institution. These students will be able to complete their general education requirements before transferring, begin studies in Agri-Business, and take electives based upon their intended degree program. Many courses in the department provide direct transfer credit to regional colleges and universities.

Industry Description: Agriculture Business experts apply a wide range of knowledge of markets, products and laws to local, regional, national and international agricultural commerce.

Producing and marketing food and fiber products is a vital and important industry in the United States. The United States is the largest producer and exporter of agricultural products in the world. The agri-business sector employs a large percentage of the U.S. labor force. These individuals assist the producer of food and fiber products in input procurement, marketing, financing, and management.

Entrance Requirements: It is recommended that the student contact the lead instructor regarding appropriate program placement and paying a priority list fee to determine specific quarter start in the program. Students may enter the program fall, winter or spring quarter, however, due to course sequencing it is recommended to begin in the fall. A placement test offered by the Student Development Center must be completed prior to admittance to the program.

Other Information: The Agri-Business program is part of the Tech-Prep consortium in the State of Washington. Tech-prep credits from specific high school studies can be awarded for selected courses. Contact your local school counselor or WWCC for more information. Students considering transferring should consult with an adviser in the agriculture department prior to taking courses for transfer credit. Program scholarships are available each year to assist students. Contact a program advisor to obtain an application or for more information.

For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Arts

Associate in Arts Degree (emphasis in Agri-Business)

The Associate in Arts Degree is a transfer degree that prepares the student for continued education at a baccalaureate institution. These students will be able to complete their general education requirements before transferring, begin studies in agri-business, and take electives based upon their intended degree program. Many courses in the department provide direct transfer credit to regional colleges and universities. The Agriculture Department at Walla Walla Community College has articulation agreements with several regional universities.

Transferability: Students earning the Associate in Arts Degree at WWCC have satisfied basic science and core requirements and are granted junior standing at all of the public and most private baccalaureate institutions in Washington State. For transfer information at specific institution and/or programs consult with your advisor.

Other Information: This is a recommended degree sequence. Consult with department advisor, transfer center staff, and college degree guidelines, for specific courses required for the Associate in Arts (AA) Degree.

Year One

| Quarter One | Credits |
|---|-----------|
| AGRI 108, Computers in Agriculture | 5 |
| AGRI 202, Microeconomics in Agriculture | 5 |
| Physical Education Elective* | 1 |
| ENG 101, English Composition I | 5 |
| SPCH 101, Fundamentals of Speech | 5 |
| Total Credits..... | 21 |

| Quarter Two | Credits |
|---------------------------------------|-----------|
| Agriculture Elective* | 5 |
| Science Elective* | 5 |
| ENG 102, English Composition II | 5 |
| MATH 115, Finite Mathematics | 5 |
| Total Credits..... | 20 |

| Quarter Three | Credits |
|------------------------------------|-----------|
| Agriculture Elective* | 5 |
| Physical Education Elective* | 1 |
| Literature Elective* | 5 |
| MATH 121, Survey of Calculus | 5 |
| Total Credits..... | 16 |
| Year One Total..... | 57 |

Year Two

| Quarter One | Credits |
|--|-----------|
| ACCT 201, Principles of Accounting I | 5 |
| ECON 201, Fundamentals of Macroeconomics | 5 |
| Humanities Elective* | 5 |
| PSY 101, Introduction to Psychology | 5 |
| Total Credits..... | 20 |

| Quarter Two | Credits |
|---|-----------|
| ACCT 202, Principles of Accounting II | 5 |
| Agriculture Elective* | 5 |
| Humanities Elective* | 5 |
| MATH 201, Introduction to Statistics | 5 |
| Total Credits..... | 20 |

| Quarter Three | Credits |
|--------------------------------------|------------|
| ACCT 203, Managerial Accounting..... | 5 |
| AGRI 222, Agricultural Policy | 5 |
| Physical Education Elective* | 1 |
| Natural Science* | 5 |
| Total Credits..... | 16 |
| Year Two Total..... | 56 |
| Grand Total..... | 113 |

EPC: 001D

* Refer to Associate in Arts (AA) Guidelines for approved elective courses.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Agri-Business

This technical degree provides the skills necessary for employment and preparation for advancement in the agribusiness industry. Graduates of this program may find employment as farm managers, salesmen, commodity brokers, store managers, or consultants.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|---|-----------|
| AGPR 100, Orientation to Agriculture (J)..... | 3 |
| AGPR 299, Leadership (L)..... | 1 |
| AGRI 102, Farm Records and Analysis | 5 |
| AGRI 108, Computers in Agriculture | 5 |
| AGRI 202, Microeconomics in Agriculture..... | 5 |
| Total Credits..... | 19 |

| Quarter Two | Credits |
|--|-----------|
| AGPR 110, Livestock Production..... | 5 |
| AGRI 210, Agricultural Sales and Service | 3 |
| AGRI 221, Agricultural Marketing | 5 |
| MATH 065, Introductory Algebra (M)..... | 5 |
| Total Credits..... | 18 |

| Quarter Three | Credits |
|--|-----------|
| AGPR 140, Agriculture Safety and Health..... | 3 |
| AGRI 103, Farm and Ranch Business Management | 5 |
| AGRI 211, Agri-Business Management *..... | 5 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 16 |

| Quarter Four | Credits |
|--|-----------|
| AGRI 191, Cooperative Work Experience..... | 10 |
| Total Credits..... | 10 |
| Year One Total..... | 63 |

Year Two

| Quarter One | Credits |
|--|-----------|
| AGPR 113, Plant Science I | 3 |
| AGPR 120, Agricultural Chemistry | 5 |
| AGPR 201, Basic Soil Science | 5 |
| Agriculture Elective*..... | 5 |
| Total Credits..... | 18 |

| Quarter Two | Credits |
|--|-----------|
| Agriculture Elective** | 5 |
| Animal Science Elective*** | 5 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R)..... | 3 |
| OCSUP 102, Oral Communication in the Workplace (O)..... | 3 |
| Total Credits..... | 16 |

| Quarter Three | Credits |
|--|------------|
| AGRI 220, Agricultural Finance * | 5 |
| AGRI 222, Agricultural Policy | 5 |
| Crop Science Elective*** | 5 |
| Total Credits..... | 15 |
| Year Two Total..... | 49 |
| Grand Total..... | 112 |

EPC: 110

* A student can complete either AGRI 211 or AGRI 220 (since these are offered on an alternate year basis) and receive a one-year certificate.

** Approved Electives for Agri-Business Degree include: any course with a prefix of AGRI, AGPR, CET, DT, EV, TRK, TURF, WELD or WMGT that is not required for degree.

*** Animal Science Electives: AGPR 111, APGR 112, AGPR 115, AGPR 116, AGPR 196, AGPR 197, AGPR 198, AGPR 216

*** Crop Science Electives: AGRI 215, AGPR 105, AGPR 114, AGPR 158, AGPR 159, AGPR 160, AGPR 202, AGPR 215

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - AGPR 100

(W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - AGPR 299

(M) - MATH 065

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 157, OCSUP 101, PSY 101, PSY 111, WMGT 192, WMGT 292

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences in Agri-Business/Wine Marketing & Management

This technical degree is designed to serve the needs of the student who is new to the wine marketing industry or for persons who wish to focus their current marketing skills toward a career in the wine industry.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|---|---------|
| AGRI 108, Computers in Agriculture | 5 |
| AGRI 202, Microeconomics in Agriculture | 5 |

AGRI-BUSINESS

| | |
|---|-----------|
| AGRI 191, Cooperative Work Experience..... | 1 |
| EV 101, Establishing a Vinifera Vineyard..... | 5 |
| EV 141, Introduction to Wine Marketing..... | 3 |
| Total Credits..... | 19 |

Quarter Two

Credits

| | |
|---|-----------|
| AGRI 221, Agricultural Marketing..... | 5 |
| AGRI 191, Cooperative Work Experience..... | 1 |
| EV 107, Winemaking for Viticulture..... | 3 |
| EV 142, Consumer Direct Wine Sales and Marketing..... | 3 |
| MATH 095, Intermediate Algebra (M)..... | 5 |
| Total Credits..... | 17 |

Quarter Three

Credits

| | |
|--|-----------|
| AGRI 211, Agri-Business Management *..... | 5 |
| AGRI 191, Cooperative Work Experience..... | 1 |
| ENG 101, English Composition I (W)..... | 5 |
| EV 243, Wine Marketing Programs..... | 3 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |
| Total Credits..... | 19 |
| Year One Total..... | 55 |

Year Two

Quarter One

Credits

| | |
|---|-----------|
| ACCT 201, Principles of Accounting I..... | 5 |
| AGRI 191, Cooperative Work Experience..... | 1 |
| EV 100, Orientation to the Wine Industry..... | 1 |
| EV 203, Science of Winemaking I..... | 5 |
| PSY 101, Introduction to Psychology (R)..... | 5 |
| Total Credits..... | 17 |

Quarter Two

Credits

| | |
|---|-----------|
| ACCT 202, Principles of Accounting II..... | 5 |
| AGRI 210, Agricultural Sales and Service..... | 3 |
| ECON 201, Fundamentals of Macroeconomics..... | 5 |
| AGRI 191, Cooperative Work Experience..... | 1 |
| EV 108, Wine Industry Employment (J)..... | 3 |
| EV 299, Leadership (L)..... | 1 |
| Total Credits..... | 18 |

Quarter Three

Credits

| | |
|--|------------|
| AGRI 220, Agricultural Finance *..... | 5 |
| AGRI 222, Agricultural Policy..... | 5 |
| AGRI 191, Cooperative Work Experience..... | 1 |
| EV 205, Science of Winemaking III..... | 5 |
| Total Credits..... | 16 |
| Year Two Total..... | 51 |
| Grand Total..... | 106 |

EPC: 110D

* A student can complete either AGRI 211 or AGRI 220 (since these are offered on an alternate year basis) and receive the one-year certificate.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

- (J) - EV 108
- (W) - ENG 101
- (L) - EV 299
- (M) - MATH 095, MATH 201
- (O) - SPCH 101
- (R) - PSY 101

- | | |
|-------------------------------|---------------------------|
| (J) - Job Seeking Skills | (L) - Leadership |
| (M) - Computation/Mathematics | (O) - Oral Communications |
| (W) - Written Communications | (R) - Human Relations |

Certificates

Certificate

Agri-Business Certificate

This certificate is equivalent to the first year of the AAAS Degree in Agri-Business.

Year One

Quarter One

Credits

| | |
|---|-----------|
| AGPR 100, Orientation to Agriculture (J)..... | 3 |
| AGPR 299, Leadership (L)..... | 1 |
| AGRI 102, Farm Records and Analysis..... | 5 |
| AGRI 108, Computers in Agriculture..... | 5 |
| AGRI 202, Microeconomics in Agriculture..... | 5 |
| Total Credits..... | 19 |

Quarter Two

Credits

| | |
|---|-----------|
| AGPR 110, Livestock Production..... | 5 |
| AGRI 210, Agricultural Sales and Service..... | 3 |
| AGRI 221, Agricultural Marketing..... | 5 |
| MATH 065, Introductory Algebra (M)..... | 5 |
| Total Credits..... | 18 |

Quarter Three

Credits

| | |
|---|-----------|
| AGPR 140, Agriculture Safety and Health..... | 3 |
| AGRI 103, Farm and Ranch Business Management..... | 5 |
| AGRI 211, Agri-Business Management *..... | 5 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 16 |

Quarter Four

Credits

| | |
|--|-----------|
| AGRI 191, Cooperative Work Experience..... | 10 |
| Total Credits..... | 10 |
| Year One Total..... | 63 |
| Grand Total..... | 63 |

EPC: 110C

* A student can complete either AGRI 211 or AGRI 220 (since these are offered on an alternate year basis) and receive a one-year certificate.

** Approved Electives for Agri-Business Degree include: any course with a prefix of AGRI, AGPR, CET, DT, EV, TRK, TURF, WELD or WMGT that is not required for degree.

*** Animal Science Electives: AGPR 111, APGR 112, AGPR 115, AGPR 116, AGPR 196, AGPR 197, AGPR 198, AGPR 216

*** Crop Science Electives: AGRI 215, AGPR 105, AGPR 114, AGPR 158, AGPR 159, AGPR 160, AGPR 202, AGPR 215

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

- (J) - AGPR 100
- (W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110
- (L) - AGPR 299
- (M) - MATH 065
- (O) - OCSUP 102, SPCH 101, SPCH 102
- (R) - BA 157, OCSUP 101, PSY 101, PSY 111, WMGT 192, WMGT 292

- | | |
|-------------------------------|---------------------------|
| (J) - Job Seeking Skills | (L) - Leadership |
| (M) - Computation/Mathematics | (O) - Oral Communications |
| (W) - Written Communications | (R) - Human Relations |

Certificates

Certificate

Agri-Business/Wine Marketing & Management Certificate

This certificate is equivalent to the first year of the AAAS Degree in Agri-Business/Wine Marketing and Management.

Year One

Quarter One Credits

| | |
|--|-----------|
| AGRI 108, Computers in Agriculture | 5 |
| AGRI 202, Microeconomics in Agriculture | 5 |
| AGRI 191, Cooperative Work Experience | 1 |
| EV 101, Establishing a Vinifera Vineyard | 5 |
| EV 141, Introduction to Wine Marketing | 3 |
| Total Credits..... | 19 |

Quarter Two Credits

| | |
|--|-----------|
| AGRI 221, Agricultural Marketing | 5 |
| AGRI 191, Cooperative Work Experience | 1 |
| EV 107, Winemaking for Viticulture | 3 |
| EV 142, Consumer Direct Wine Sales and Marketing | 3 |
| MATH 095, Intermediate Algebra (M)..... | 5 |
| Total Credits..... | 17 |

Quarter Three Credits

| | |
|---|-----------|
| AGRI 211, Agri-Business Management * | 5 |
| AGRI 191, Cooperative Work Experience | 1 |
| ENG 101, English Composition I (W) | 5 |
| EV 243, Wine Marketing Programs | 3 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |
| Total Credits..... | 19 |

Year One Total.....55

Grand Total.....55

EPC: 110E

* A student can complete either AGRI 211 or AGRI 220 (since these are offered on an alternate year basis) and receive a one-year certificate.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(W) - ENG 101

(M) - MATH 095, MATH 201

(O) - SPCH 101

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Agriculture Science and Technology

AAAS, AS, CERTIFICATE

<http://wwcc.edu/agscience>

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Department Overview: Agriculture Science combines the fields of biology and chemistry with a practical understanding of crop and livestock production and management. The primary objectives of the program are to offer students technical knowledge in the areas of soils and fertilizers, pests and control procedures, and crop and livestock production and management. These objectives are accomplished with lecture/discussion periods, lab exercises, and field trips to production enterprise areas. Some courses are available for distance learning for students. The Agriculture Science curriculum is reviewed by an advisory committee composed of local and regional industry members and adheres to national and state skill standards.

Mission: Inspiring students to reach their fullest potential in terminal, transfer, and job-related courses of study.

Goals:

- To market, recruit, and retain students in programs within the division.
- Certify programs using industry skill standards.
- Articulate programs horizontally with other WWCC programs and vertically with four-year universities and regional high schools.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Plant and Soil Science or Animal Science, upon completion of a two-year program of study. The Plant and Soil Science option focuses on crop production, soil fertility and management, and weed biology and identification. The Animal Science option focuses on livestock production, animal nutrition and health, and practical meat cutting. A Plant and Soil Science or Animal Science Certificate, are available upon completion of the first year of study.

For those students interested in attending a baccalaureate institution, WWCC offers an Associate in Science (AS) Degree in Agriculture Science, which transfers through a direct transfer agreement. This allows students to complete the first two-years at WWCC before transferring to a baccalaureate institution.

Industry Description: Production agriculture is an applied science industry requiring trained technicians and professionals with knowledge of biological and chemical principles. Persons employed in the agricultural science field need to apply this knowledge to the production of food and fiber at the primary producer, support services, or research

AGRICULTURE SCIENCE AND TECHNOLOGY

and development level. As the agricultural science industry advances in the use of technology, there is a continued demand for trained individuals.

Entrance Requirements: It is recommended that the student contact the lead instructor regarding appropriate program placement and paying a priority list fee to determine specific quarter start in the program. Students may enter the program fall, winter or spring quarter, however, due to course sequencing it is recommended to begin in the fall. A placement test offered by the Student Development Center must be completed prior to admittance to the program.

Other Information: The Agriculture Science program is part of the Tech-Prep consortium in the State of Washington. Tech-prep credits from specific high school studies can be awarded for selected courses. Contact your local school counselor or WWCC for more information. Students considering transferring should consult with an advisor in the agriculture department prior to taking courses for transfer credit. Program scholarships are available each year to assist students. Contact a program advisor to obtain an application or for more information.

For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Agriculture Science and Technology - Animal Science

This technical degree prepares the student for a career in the agricultural animal science production industry. This program is also designed for the individual who is interested in improving their current animal husbandry skills and knowledge.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|--|-----------|
| AGPR 100, Orientation to Agriculture (J) | 3 |
| AGPR 120, Agricultural Chemistry | 5 |
| AGRI 102, Farm Records and Analysis | 5 |
| AGRI 108, Computers in Agriculture | 5 |
| Total Credits..... | 18 |

| Quarter Two | Credits |
|--------------------------------------|-----------|
| AGPR 110, Livestock Production | 5 |
| AGPR 112, Feeds and Feeding | 5 |
| AGPR 116, Meat Science I | 5 |
| AGPR 299, Leadership (L)..... | 1 |
| Total Credits..... | 16 |

| Quarter Three | Credits |
|--|-----------|
| AGPR 115, Preventative Veterinary Medical Care | 5 |
| AGPR 140, Agriculture Safety and Health..... | 3 |
| MATH 065, Introductory Algebra (M) | 5 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |
| Total Credits..... | 18 |

| Quarter Four | Credits |
|--|-----------|
| AGRI 191, Cooperative Work Experience..... | 10 |
| Total Credits..... | 10 |
| Year One Total..... | 62 |

Year Two

| Quarter One | Credits |
|--|-----------|
| AGPR 111, Animal Nutrition and Health..... | 5 |
| AGPR 201, Basic Soil Science | 5 |
| AGRI 202, Microeconomics in Agriculture..... | 5 |
| Total Credits..... | 15 |

| Quarter Two | Credits |
|--|-----------|
| AGRI 221, Agricultural Marketing | 5 |
| Agriculture Elective* | 5 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 13 |

| Quarter Three | Credits |
|---|------------|
| AGRI 103, Farm and Ranch Business Management | 5 |
| AGRI 222, Agricultural Policy | 5 |
| Agriculture Elective* | 5 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R) | 3 |
| Total Credits..... | 18 |
| Year Two Total..... | 46 |
| Grand Total..... | 108 |

EPC: 105B

* Approved Electives for Agri-Science and Technology Degree: Any course with a prefix of AGRI, AGPR, CET, DT, EV, ESCI, PMT, TURF, WELD and WMGT may be used to meet the agriculture elective requirement.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

| | |
|---|---------------------------|
| (J) - AGPR 100 | |
| (W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110 | |
| (L) - AGPR 299 | |
| (M) - MATH 065 | |
| (O) - OCSUP 102, SPCH 101, SPCH 102 | |
| (R) - BA 157, OCSUP 101, PSY 101, PSY 111, WMGT 192, WMGT 292 | |
| (J) - Job Seeking Skills | (L) - Leadership |
| (M) - Computation/Mathematics | (O) - Oral Communications |
| (W) - Written Communications | (R) - Human Relations |

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Agriculture Science and Technology - Plant and Soil Science

This technical degree prepares the student for a career in agricultural crop production industry. This program is also designed for the individual who is interested in improving their current plant and soil science skills and knowledge.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|--|-----------|
| AGPR 100, Orientation to Agriculture (J) | 3 |
| AGPR 113, Plant Science I | 3 |
| AGPR 120, Agricultural Chemistry | 5 |
| AGPR 299, Leadership (L) | 1 |
| AGRI 108, Computers in Agriculture | 5 |
| Total Credits..... | 17 |

| Quarter Two | Credits |
|--|-----------|
| AGPR 110, Livestock Production | 5 |
| AGPR 114, Plant Science II | 3 |
| AGRI 215, Plant Diseases and Insects | 5 |
| MATH 065, Introductory Algebra (M) | 5 |
| Total Credits..... | 18 |

| Quarter Three | Credits |
|---|-----------|
| AGPR 105, Weed Biology and Identification | 5 |
| AGPR 140, Agriculture Safety and Health | 3 |
| AGPR 215, Field Crop Production | 5 |
| Agriculture Elective* | 5 |
| Total Credits..... | 18 |

| Quarter Four | Credits |
|---|-----------|
| AGRI 191, Cooperative Work Experience | 10 |
| Total Credits..... | 10 |
| Year One Total..... | 63 |

Year Two

| Quarter One | Credits |
|---|-----------|
| AGPR 201, Basic Soil Science | 5 |
| AGRI 102, Farm Records and Analysis | 5 |
| AGRI 202, Microeconomics in Agriculture | 5 |
| Total Credits..... | 15 |

| Quarter Two | Credits |
|--|-----------|
| AGPR 202, Soils Fertility and Management | 5 |
| AGRI 221, Agricultural Marketing | 5 |
| SPCH 101, Fundamentals of Speech (O) | 5 |
| WRITE 100, Applied Writing (W) | 3 |
| Total Credits..... | 18 |

| Quarter Three | Credits |
|---|------------|
| AGRI 222, Agricultural Policy | 5 |
| Agriculture Elective* | 5 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R) | 3 |
| Total Credits..... | 13 |
| Year Two Total..... | 46 |
| Grand Total..... | 109 |

EPC: 105A

* Approved Electives for Agri-Science and Technology Degree: Any course with a prefix of AGRI, AGPR, CET, DT, EV, ESCI, PMT, TURF, WELD and WMGT may be used to meet the agriculture elective requirement.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - AGPR 100

(W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - AGPR 299

(M) - MATH 065

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 157, OCSUP 101, PSY 101, PSY 111, WMGT 192, WMGT 292

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Degrees

Associate in Science

Associate in Science Degree (Agricultural Science)

This degree is for students wishing to transfer to Washington State University in a Bachelor of Science Degree in Agricultural Science.

Transferability: The Associate in Science (Agricultural Science) allows students to transfer to Washington State University in a Bachelor in Science Degree in Agriculture through a direct transfer agreement that allows students to complete a baccalaureate degree in two years at the university level.

General Education Requirements

| | |
|--|-----------|
| Biology: BIO 151, BIO 152, BIO 153 | 15 |
| Chemistry: CHEM 101 | 5 |
| Communications: ENG 101, SPCH 101 | 10 |
| Choose 2: HIST 105, HIST 107, HIST 109 | 10 |
| Humanities | 5 |
| Quantitative Skills: MATH 201 | 5 |
| Social Science: AGRI 202, PSY 101 | 10 |
| Total Credits..... | 60 |

Agricultural Elective Courses

| | |
|---|-----------|
| AGPR 113, Plant Science | 3 |
| AGPR 114, Plant Science II | 3 |
| AGPR 201, Basic Soil Science | 5 |
| AGRI 108, Computers in Agriculture | 5 |
| Animal Science Elective, Choose 1: AGPR 100, 110, 111, 112, 116, 216 | 5 |
| Agri-Business Elective; Choose 2: AGRI 102 & 103, 210, 211, 220, 221, 222 | 10 |
| Crop Science Elective, Choose 1: AGPR 105, 215 | 5 |
| Agri-Science Choose 1: AGPR 100 or AGPR 140 | 3 |
| Total Credits..... | 39 |

Optional Elective Courses

| | |
|--|---|
| AGPR 115, Preventative Veterinary Medical Care | 5 |
| WMGT 112, Irrigation Principles | 5 |

Total Credits..... 10

EPC: 004D

Degrees

Associate in Science

Associate in Science Degree (Agricultural Science)

This degree is for students wishing to transfer to Washington State University in a Bachelor in Science Degree in Agriculture Technology and Management.

Transferability: The Associate in Science (Agricultural Science) allows students to transfer to Washington State University in a Bachelor in Science Degree in Agriculture through a direct transfer agreement that allows students to complete a baccalaureate degree in two years at the university level.

General Education Requirements

| | |
|--|-----------|
| Biology: BIO 151, BIO 152, BIO 153 | 15 |
| Chemistry: CHEM 107, 108, 109, or CHEM 121, 122, 123 | 15 |
| Communications: ENG 101, SPCH 101 | 10 |
| History Choose 2: HIST 105, HIST 107, HIST 109 | 10 |
| Humanities | 5 |
| Quantitative Skills: MATH 121, MATH 201 | 10 |
| Social Science: AGRI 202, PSY 101 | 10 |
| Total Credits..... | 75 |

Agricultural Elective Courses

| | |
|--|--------------|
| AGPR 100 Orientation to Agriculture | 3 |
| Agri-Business Elective; Choose 1: AGRI 102 & 103, 211, 221 | 10 |
| Agriculture Electives | 15-20 |
| Total Credits..... | 23-28 |

Optional Elective Courses

| | |
|--|-----------|
| AGPR 115, Preventative Veterinary Medical Care | 5 |
| WMGT 112, Irrigation Principles | 5 |
| Total Credits..... | 10 |

EPC: 004D

Certificates

Certificate

Agriculture Science and Technology - Animal Science Certificate

This certificate is equivalent to the first year of the AAAS Degree in Agriculture Science and Technology - Animal Science.

Year One

| Quarter One | Credits |
|--|-----------|
| AGPR 100, Orientation to Agriculture (J) | 3 |
| AGPR 120, Agricultural Chemistry | 5 |
| AGRI 102, Farm Records and Analysis | 5 |
| AGRI 108, Computers in Agriculture | 5 |
| Total Credits..... | 18 |

Quarter Two

| Quarter Two | Credits |
|--------------------------------------|-----------|
| AGPR 110, Livestock Production | 5 |
| AGPR 112, Feeds and Feeding | 5 |
| AGPR 116, Meat Science I | 5 |
| AGPR 299, Leadership (L) | 1 |
| Total Credits..... | 16 |

Quarter Three

| Quarter Three | Credits |
|--|-----------|
| AGPR 115, Preventative Veterinary Medical Care | 5 |
| AGPR 140, Agriculture Safety and Health | 3 |
| MATH 065, Introductory Algebra (M) | 5 |
| SPCH 101, Fundamentals of Speech (O) | 5 |
| Total Credits..... | 18 |
| Year One Total..... | 52 |
| Grand Total..... | 52 |

EPC: 105C

* Approved Electives for Agri-Science and Technology Degree: Any course with a prefix of AGRI, AGPR, CET, DT, EV, ESCI, PMT, TURF, WELD and WMGT may be used to meet the agriculture elective requirement.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - AGPR 100

(L) - AGPR 299

(M) - MATH 065

(O) - OCSUP 102, SPCH 101, SPCH 102

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Certificates

Certificate

Agriculture Science and Technology - Plant and Soil Science Certificate

This certificate is equivalent to the first year of the AAAS Degree in Agriculture Science and Technology - Plant and Soil Science.

Year One

| Quarter One | Credits |
|--|-----------|
| AGPR 100, Orientation to Agriculture (J) | 3 |
| AGPR 113, Plant Science I | 3 |
| AGPR 120, Agricultural Chemistry | 5 |
| AGPR 299, Leadership (L) | 1 |
| AGRI 108, Computers in Agriculture | 5 |
| Total Credits..... | 17 |

Quarter Two

| Quarter Two | Credits |
|--|-----------|
| AGPR 110, Livestock Production | 5 |
| AGPR 114, Plant Science II | 3 |
| AGRI 215, Plant Diseases and Insects | 5 |
| MATH 065, Introductory Algebra (M) | 5 |
| Total Credits..... | 18 |

Quarter Three

| Quarter Three | Credits |
|---|-----------|
| AGPR 105, Weed Biology and Identification | 5 |
| AGPR 140, Agriculture Safety and Health | 3 |
| AGPR 215, Field Crop Production | 5 |
| Agriculture Elective* | 5 |
| Total Credits..... | 18 |
| Year One Total..... | 53 |
| Grand Total..... | 53 |

EPC: 105E

* Approved Electives for Agri-Science and Technology Degree: Any course with a prefix of AGRI, AGPR, CET, DT, EV, ESCI, PMT, TURF, WELD and WMGT may be used to meet the agriculture elective requirement.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - AGPR 100
(L) - AGPR 299
(M) - MATH 065

(J) - Job Seeking Skills (L) - Leadership
(M) - Computation/Mathematics (O) - Oral Communications
(W) - Written Communications (R) - Human Relations

Allied Health and Safety Education

<http://wwcc.edu/alliedhealth>

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Sandra Graham 509.527.4462 sandra.graham@wwcc.edu

Department Overview: The purpose of Allied Health and Safety Education (AHSE) is to create a learning environment to support a variety of educational, personal enrichment, and career development goals in the field of health and safety. The clientele served by AHSE comprise a wide age group at a variety of educational levels and differing learning outcomes that range from obtaining and maintaining job skills, training for new careers, and personal growth.

Degrees: The courses in Allied Health and Safety Education cover a wide range of interest. The pre-hospital offerings include CPR, First Aid, First Responder, EMT-B Initial Training, EMT-Intermediate, and EMT/OTEP continuing education.

The Nursing Assistant program provides training in basic nursing care under state and federal guidelines. The Phlebotomy Technician course is offered on an annual basis during spring quarter. The following is a list of courses offered to help students obtain necessary state requirements and/or provide enrichment for increased information: Nursing Assistant Training Program, Fundamentals of Caregiving-Basic, Fundamentals of Caregiving-Modified, Nurse Delegation, Introduction to Health Services, Phlebotomy, AIDS Education, AIDS/Bloodborne Pathogens Training, Chemical Dependency Counseling Education, OTEP Training, Medic First Aid, Medic First Aid Recertification, CPR (Heartsaver, Healthcare Provider, Pediatric-Basic), CPR Instructor Certification and Recertification, and Flagger.

The Allied Health and Safety Education Department also offer a variety of Healthcare Education training opportunities for professional to include: Pharmacology, Blood Drawing Techniques for Health Professionals, Basic Arrhythmias, 12 Lead ECG, Physical Assessment, Mental Health conference, Physical Therapy conference, and Nursing conferences.

Industry Description: Because of the growing population and increased aging sector of our country, there is a demand for trained workers in a variety of health related occupations. The health care industry is experiencing shortages of qualified, competent healthcare workers. Health service

jobs represent the fastest growth categories in the State of Washington.

Entrance Requirements: Most courses require a high school diploma or GED, and in some cases require an advanced level of certification or registration. Some areas do not require high school diploma or GED but have basic requirements such as reading, writing, and language proficiency requirements.

Anthropology

<http://wwcc.edu/anthropology>

Christopher Howell 509.527.4493 christopher.howell@wwcc.edu

Department Overview: Anthropology studies the origin as well as the physical, social and cultural development of humans. Anthropologists may study the way of life, archaeological remains, language, or physical characteristics of people in various parts of the world. Cultural anthropologists compare the customs, values and social practices of people in different cultures.

Mission: The mission of the Social Sciences Division is to provide opportunities for students to better understand individual and group behavior, and develop skills to explore and analyze past and present society and culture.

Goals:

- Prepare students to transfer to four-year institutions.
- Introduce concepts, terminology, and factual evidence of the respective disciplines using appropriate classroom assessment techniques.
- Develop written and oral communication and critical thinking skills that require analysis and synthesis of course content.
- Provide opportunities to better understand the impact of diverse cultures in historical context on individual and group behavior.

Degrees: Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at Walla Walla Community College in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Preparation for Success: A major in Anthropology is strengthened by studies in statistics, history, social sciences, and humanities. The ability to utilize computers for research purposes is mandatory in most disciplines.

Career Opportunities: Anthropologists will find opportunities performing policy research for consulting firms, nonprofit organizations, and social service agencies in such areas as crime, ethnic conflict, public health, and refugee policy. These social scientists also will be employed by various companies in product development, marketing, and advertising. Others are employed in human resources in conflict resolution and in issues relating to diverse workforces. As construction projects increase, archaeologists will be needed to perform preliminary excavations in order to preserve historical artifacts.

Art

<http://wwcc.edu/art>

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Department Overview: The Art Department offers a wide range of courses for students interested in the fine and applied arts. Students have the opportunity to experience a broad range of media and perspectives on the visual arts. From personal expression to visual communication, students gain an understanding of the potential of visual work and its context. WWCC also provides a number of studio courses in the areas of design, drawing, painting, sculpting, and pottery.

Mission: As part of the Humanities Division, the Art Department shares the mission of the other performing and fine arts: to inspire students to discover their potential and to achieve their goals in speech communications, fine arts, drama, and music by providing a wide variety of guided presentation and performance opportunities, a nurturing and challenging atmosphere, and challenging standards of instruction aimed especially for small groups and individuals.

Goals:

- To provide learning opportunities and challenges for students planning to transfer to baccalaureate institutions for the purpose of pursuing major studies in Fine Arts.
- To provide learning opportunities and challenges for students wishing to fulfill recreational interests in Fine Arts.
- To enrich Fine Arts opportunities offered and available to the people of the WWCC service area.
- To provide learning opportunities and challenges for students wishing to pursue occupational and professional careers in Fine Arts.
- To guide and nurture students' development as emphatic and critical audience/responders to the Fine Arts of their peers as well as those forms of expression that have stood the test of time and public scrutiny.
- To encourage openness to diverse ways of cultural expression as manifested in the Fine Arts.

- To encourage life-long learning and expression in the Fine Arts.
- To provide instruction in the fundamentals of public speaking.

Degrees: Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at Walla Walla Community College in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Preparation for Success: Art students begin with foundation courses in design, drawing, and art appreciation. Students expecting to work toward a BFA or BA with emphasis in art should give careful attention to the requirements of the selected baccalaureate institution and should be working on a quality portfolio to present for evaluation after transferring. Skill in computer graphics and other visual display software is an element of success in Art.

Career Opportunities: Artists often find careers in architecture, fashion design, theatre design, graphic design and advertising. Many create original artwork in a variety of media and techniques. Artists often teach in elementary, secondary, and higher education and in private studios.

Other Information: Postsecondary training is recommended for all artist specialties. Although formal training is not strictly required, it is very difficult to become skilled enough to make a living in the arts without it. Many colleges and universities offer programs leading to the bachelor's or master's degree in fine arts. Courses usually include core subjects such as English, social science, and natural science, in addition to art history and studio art. Formal educational programs in art also provide training in computer techniques. Computers are used widely in the visual arts, and knowledge and training in computer graphics and other visual display software are critical elements of many jobs in these fields. Trained artists typically fit into one of four categories. Art directors formulate design concepts and presentation approaches for visual communications media. Craft artists create or reproduce handmade objects for exhibition and sale. Fine artists, including painters, sculptors, and illustrators create original artwork, using a variety of media and techniques. Multi-media artists and animators create special effects, animation, or other visual images on film, on video, or with computers or other electronic media.

Astronomy

<http://wwcc.edu/astronomy>

Steven May

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Department Overview: Astronomy is the science dedicated to the study of the organization, behavior and evolution of matter and energy in the universe. Specific areas of study include the nature and formation of planets, stars and galaxies, as well as the significances of the grand scale structure of the entire universe.

Astronomy courses are intended for any student with an interest in the subject. All are taught with an emphasis on conceptual understanding, although laboratory exercises do involve some use of basic algebra.

Mission: To provide students with a diverse array of physical and life science classes through which they will develop an increased awareness and understanding of scientific knowledge and the scientific method of investigation by which this knowledge has been gained.

Goals:

- To offer a variety of introductory science classes which fulfill the necessary Natural Science graduation requirements for all AA transfer students.
- To assist non-science majors in becoming more scientifically literate.
- To provide science majors with the foundation knowledge they will need in order to successfully continue on to upper level courses; either at WWCC or at a transfer institution.
- To offer comprehensive sequences of lower division science classes in a variety disciplines which provide science majors with a solid one or two years of preparation in their chosen field comparable to what they would receive in the first two years as a resident student at a transfer institution.
- To provide pre-professional (nursing, dentistry, optometry, physical therapy, etc.) students with the first two years of course work necessary for entrance in most Allied Health related programs.

Degrees: Astronomy degrees at the bachelor's level are generally offered by physics departments. Students interested in pursuing astronomy as a major, after transfer to a baccalaureate institution, should obtain an Associate in Science (AS) Degree - Option II, following the course sequence specified for physics majors.

Preparation for Success: Students interested in a major in Astronomy should take additional courses in physics, geology and mathematics.

Career Opportunities: Astronomy bachelor's or master's degree holders often enter a field unrelated to astronomy, and they are qualified to work in planetariums running science shows, to assist astronomers doing research, and to operate space-based and ground-based telescopes and other astronomical instrumentation.

Persons with only a bachelor's degree in physics or astronomy are not qualified to enter most physicist or astronomer research jobs but may qualify for a wide range of positions related to engineering, mathematics, computer science, and environmental science. Those who meet state certification requirements can become high school physics teachers, an occupation in strong demand in many school districts. Most states require new teachers to obtain a master's degree in education.

Auto Body Repair Technology

AAAS, CERTIFICATE

<http://wwcc.edu/autobody>

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Department Overview: Auto Body Repair keeps pace with the fast-moving auto body/collision repair industry and covers all aspects of body repair and refinishing with an emphasis on the most up-to-date methods. WWCC uses the I-CAR curriculum and is nationally certified by NATEF/ASE in five areas of instruction. The Auto Body program is designed to provide students with hands-on, work based learning. To facilitate this, the college acquires late model, damaged vehicles, providing a platform on which student may learn and develop skills. The Auto Body curriculum is reviewed by an advisory board composed of local and regional industry members.

Mission: The mission of the Autobody Repair Technology program is to provide high quality technical instruction in all aspects of body repair and painting with emphasis on the most current technologies and methods. This is accomplished through the provision of instruction in a simulated actual body shop environment and industry experienced instructors.

Goals:

- Complete NATEF self-assessment and on-site program review.
- Qualify for NATEF program certification in all five collision repair and refinish areas.
- Update Autobody Repair Technology program curriculum in accordance with industry skill standards.
- Enhance student quality and quantity.
- Enhance student retention and completion rates.

AUTO BODY REPAIR TECHNOLOGY

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Auto Body Repair Technology, upon completion of a two-year program of study (1750 hours). An Auto Body Repair Certificate, is available upon completion of the first year of study in the program.

Industry Description: There is a high demand for skilled auto body repair technicians. Automotive manufacturers have made revolutionary changes in automobile designs. These changes have brought new concepts to the field of auto body repair, requiring proper training to restore damaged vehicles to their factory specifications in both body repair and painting. The technology of the automobile has changed faster in the past five years than it had in the previous two decades, ensuring that the future looks great for skilled people in the collision repair field. Auto manufacturers constantly refine and change their products in response to customers' demands and governmental regulations. This means all new designs, new products/materials, advanced manufacturing processes, hi-tech systems, and safety features are being incorporated into each new automobile. Skilled technicians will be required to repair modern vehicles.

Entrance Requirements: It is recommended that the student contact the lead instructor regarding appropriate program placement and paying a priority list fee to determine specific quarter start in the program. Students may enter the program fall, winter or spring quarter, however, due to course sequencing it is recommended to begin in the fall. A placement test and mechanical reasoning test offered by the Student Development Center must be completed prior to admittance to the program.

Other Information: For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Auto Body Repair Technology

This technical degree prepares the student with the knowledge necessary to enter the auto body industry.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|--|-----------|
| ABT 161, Auto Body Repair..... | 21 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R)..... | 3 |
| Total Credits..... | 24 |

| Quarter Two | Credits |
|--|-----------|
| ABT 162, Auto Body Repair II..... | 21 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| WELD 145, Basic Welding I *..... | 7 |
| Total Credits..... | 33 |

| Quarter Three | Credits |
|---|-----------|
| ABT 163, Auto Body Refinishing | 21 |
| OCSUP 102, Oral Communication in the Workplace (O)..... | 3 |
| Total Credits..... | 24 |
| Year One Total..... | 81 |

Year Two

| Quarter One | Credits |
|-------------------------------------|-----------|
| ABT 264, Unibody Rebuilding..... | 21 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 24 |

| Quarter Two | Credits |
|--|-----------|
| ABT 265, Electrical Mechanical..... | 21 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| Total Credits..... | 24 |

| Quarter Three | Credits |
|---|------------|
| AMM 299, Leadership (L) | 1 |
| ABT 266, Damage Estimating and Shop Operation | 21 |
| Total Credits..... | 22 |
| Year Two Total..... | 70 |
| Grand Total..... | 151 |

EPC: 709

* Any welding course 145 or above will satisfy the welding requirement.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - AGPR 100, BA 292, OCSUP 103, PSY 140

(W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - AMM 299, BA 192, OCSUP 299, PSCI 125

(M) - BA 112, MATH 049, OCSUP 106

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 157, OCSUP 101, PSY 101, PSY 111, WMGT 192, WMGT 292

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Certificates

Certificate

Auto Body Repair Technology Certificate

This certificate is equivalent to the first year of the AAAS Degree in Auto Body Repair Technology.

Year One

| Quarter One | Credits |
|--|-----------|
| ABT 161, Auto Body Repair..... | 21 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R)..... | 3 |
| Total Credits..... | 24 |

| Quarter Two | Credits |
|--|-----------|
| ABT 162, Auto Body Repair II..... | 21 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| WELD 145, Basic Welding I *..... | 7 |
| Total Credits..... | 33 |

Quarter Three

| | |
|--|-----------|
| ABT 163, Auto Body Refinishing | 21 |
| OCSUP 102, Oral Communication in the Workplace (O) | 3 |
| Total Credits..... | 24 |
| Year One Total..... | 81 |
| Grand Total..... | 81 |

EPC: 709C

* Any welding course 145 or above will satisfy the welding requirement.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - AGPR 100, BA 292, OCSUP 103, PSY 140

(W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - AMM 299, BA 192, OCSUP 299, PSCI 125

(M) - BA 112, MATH 049, OCSUP 106

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 157, OCSUP 101, PSY 101, PSY 111, WMGT 192, WMGT 292

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Auto Mechanics

AAAS, CERTIFICATE

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Department Overview: Auto Mechanics provides intensive career preparation through a combination of classroom instruction and hands-on application. The program is certified by the National Automotive Technicians Education Foundation (NATEF), an affiliate of the National Institute for Automotive Service Excellence (ASE), and prepares students for ASE certification examinations. Auto Mechanics curriculum is reviewed by an advisory board composed of local and regional industry members. The Auto Mechanics program maintains an active Skills USA (VICA) student leadership organization and an Automotive Technology club.

Mission: The mission for the Auto Mechanics Technology program is to provide high quality technical instruction in all aspects of automotive repair. This is accomplished through the provision of instruction in a simulated actual automotive repair shop environment and conducted by industry experienced instructors.

Goals:

- Maintain ASE standards through full implementation of related curriculum and student outcome measures.
- Improve marketability of students to employers as a result of successful completion of the total ASE program of instruction.

- Maintain and enhance the Walla Walla High School and other high school articulation arrangements.
- Expand student recruitment initiatives with local and outlying high schools.
- Secure automotive industry support for provision of equipment and training materials.
- Establish an Automotive Parts Specialist Certified evening program.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Auto Mechanics upon completion of the two-year program of study. An Auto Mechanics Certificate, is available upon completion of the first year of study in the program.

Industry Description: The ability to diagnose the source of a problem quickly and accurately requires good reasoning ability and a thorough knowledge of automobiles. Automotive service technicians inspect, maintain, and repair automobiles and light trucks that have gasoline engines. There is a tremendous demand for well-trained Automotive Service Excellence (ASE) certified automotive technicians. The increasing sophistication of automotive technology now requires workers who can use computerized shop equipment and work with electronic components while maintaining their skills with traditional hand tools. Service technicians use a variety of tools in their work-power tools, such as pneumatic wrenches to remove bolts quickly; machine tools like lathes and grinding machines to rebuild brakes; welding and flame-cutting equipment to remove and repair exhaust systems, and jacks and hoists to lift cars and engines.

Entrance Requirements: It is recommended that the student contact the lead instructor regarding appropriate program placement and paying a priority list fee to determine specific quarter start in the program. Students may enter the program fall, winter or spring quarter, however, due to course sequencing it is recommended to begin in the fall. A placement test offered by the Student Development Center at must be completed prior to admittance to the program.

Other Information: For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Auto Mechanics

This technical degree prepares the student for a career in auto mechanics. Individuals wishing to update their technical knowledge related to the automotive industry may also benefit from participation in this two-year degree program.

AUTO MECHANICS/BIOLOGICAL SCIENCE

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|--|-----------|
| AMM 141, Auto Related Industry | 21 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| Total Credits..... | 26 |

| Quarter Two | Credits |
|--|-----------|
| AMM 142, Auto Electric and Auxiliary Systems | 21 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 24 |

| Quarter Three | Credits |
|--|-----------|
| AMM 143, Ignition Systems/Basic Air Conditioning and Wheel Alignment Theory..... | 21 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R) | 3 |
| WELD 141, Welding Basics * | 4 |
| Total Credits..... | 28 |
| Year One Total..... | 78 |

Year Two

| Quarter One | Credits |
|---|-----------|
| AMM 244, Auto Engine Rebuilding | 21 |
| OCSUP 102, Oral Communication in the Workplace (O)..... | 3 |
| Total Credits..... | 24 |

| Quarter Two | Credits |
|--|-----------|
| AMM 245, Automatic/Manual Transmissions and Differentials..... | 21 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| Total Credits..... | 24 |

| Quarter Three | Credits |
|---|------------|
| AMM 299, Leadership (L) | 1 |
| AMM 246, Brake Systems, Advanced Air Conditioning and Suspension/Alignment Diagnostics..... | 21 |
| Total Credits..... | 22 |
| Year Two Total..... | 70 |
| Grand Total..... | 148 |

EPC: 712

* Any welding course WELD 141, Welding Basics (4 credits) or above will satisfy the welding requirement.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - OCSUP 103, PSY 140

(W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - AMM 299

(M) - BA 112, MATH 049, OCSUP 106

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - OCSUP 101, PSY 101

| | |
|-------------------------------|---------------------------|
| (J) - Job Seeking Skills | (L) - Leadership |
| (M) - Computation/Mathematics | (O) - Oral Communications |
| (W) - Written Communications | (R) - Human Relations |

Certificates

Certificate

Auto Mechanics Certificate

This certificate is equivalent to the first year of the AAAS Degree in Auto Mechanics.

Year One

| Quarter One | Credits |
|--|-----------|
| AMM 141, Auto Related Industry | 21 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| Total Credits..... | 26 |

| Quarter Two | Credits |
|--|-----------|
| AMM 142, Auto Electric and Auxiliary Systems | 21 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 24 |

| Quarter Three | Credits |
|--|-----------|
| AMM 143, Ignition Systems/Basic Air Conditioning and Wheel Alignment Theory..... | 21 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R) | 3 |
| WELD 141, Welding Basics * | 4 |
| Total Credits..... | 28 |
| Year One Total..... | 78 |
| Grand Total..... | 78 |

EPC: 712C

* Any welding course WELD 141, Welding Basics (4 credits) or above will satisfy the welding requirement.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - OCSUP 103, PSY 140

(W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - AMM 299

(M) - BA 112, MATH 049, OCSUP 106

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - OCSUP 101, PSY 101

| | |
|-------------------------------|---------------------------|
| (J) - Job Seeking Skills | (L) - Leadership |
| (M) - Computation/Mathematics | (O) - Oral Communications |
| (W) - Written Communications | (R) - Human Relations |

Biological Sciences

AS

<http://wwcc.edu/biology>

| | | |
|----------------------|--------------|-------------------------------|
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| Pete Van Dyke | 509.527.4347 | peter.vandyke@wwcc.edu |
| Lori Loseth- Clk | 509.758.1710 | lori.loseth@wwcc.edu |

Department Overview: Biological Sciences is the study of all living things-how they reproduce, grow, and evolve and how they relate to each other and to their environment. Students develop an understanding of scientific facts and principles relating to life and life processes from molecular to ecosystems.

Mission: To provide students with a diverse array of physical and life science classes through which they will develop an increased awareness and understanding of scientific knowledge and the scientific method of investigation by which this knowledge has been gained.

Goals:

- To offer a variety of introductory science classes which fulfill the necessary Natural Science graduation requirements for all AA transfer students.
- To assist non-science majors in becoming more scientifically literate.
- To provide science majors with the foundation knowledge they will need in order to successfully continue on to upper level courses; either at WWCC or at a transfer institution.
- To offer comprehensive sequences of lower division science classes in a variety of disciplines which provide science majors with a solid one or two years of preparation in their chosen field comparable to what they would receive in the first two years as a resident student at a transfer institution.
- To provide pre-professional (nursing, dentistry, optometry, physical therapy, etc.) students with the first two years of course work necessary for entrance in most Allied Health related programs.

Degrees: Students may earn an Associate in Science (AS) Degree - Option I, which is designed for those who complete a 93 credit program that is parallel with the first two years of a baccalaureate institution to which they intend to transfer. A cumulative gpa of 2.0 or higher is required for successful completion of this degree.

Coursework is concentrated in specific mathematics and sciences requirements. Additional coursework in general education, humanities and social sciences will be required at the transfer institution. Some remaining general education requirements may be satisfied with upper division courses. Students need to meet with department advisors at the baccalaureate institution to determine appropriate educational plan.

Preparation for Success: In addition to required chemistry and biology courses, students interested in a major in Biological Sciences should take courses in mathematics, physics and computer science. Computer courses are essential, as employers prefer job applicants who are able to apply computer skills to modeling and simulation tasks and to operate computerized laboratory equipment. Those interested in studying the environment also should take courses in environmental studies and become familiar with current legislation and regulations.

Career Opportunities: Opportunities for those with a bachelor's or master's degree in biological science are expected to increase. Some positions may include: science or engineering technicians or health technologists and technicians.

Those who meet state certification requirements can become high school biology teachers. Most states require new teachers to obtain a master's degree in education.

Degrees

Associate in Science

Associate in Science Degree - Option I (Biology)

Recommended two-year schedule (Option I). For other degree information, students should check with their advisors, transfer center staff, and college degree guidelines. Students should also note that it is extremely important to begin sequential courses in the fall since those courses are typically offered one quarter per year.

Transferability: For transfer information at specific institution and/or programs consult with your advisor.

Year One

| Quarter One | Credits |
|--|-----------|
| CHEM 121, General Chemistry I | 5 |
| Physical Education Elective | 1 |
| MATH 109, Precalculus I or MATH 124, Calculus with Analytic Geometry I | 5 |
| ENG 101, English Composition I | 5 |
| Total Credits..... | 16 |

Quarter Two

| | Credits |
|--|-----------|
| CHEM 122, General Chemistry II | 5 |
| MATH 110, Precalculus II or MATH 125, Calculus with Analytic Geometry II | 5 |
| Social Science Elective | 5 |
| Total Credits..... | 15 |

Quarter Three

| | Credits |
|---|-----------|
| BIO 151, Cell Biology | 5 |
| CHEM 123, General Chemistry III | 5 |
| Physical Education Elective | 1 |
| Humanities or Social Science Elective | 5 |
| Total Credits..... | 16 |
| Year One Total..... | 47 |

Year Two

| Quarter One | Credits |
|--|--------------|
| Humanities Elective..... | 5 |
| MATH 124, Calculus with Analytic Geometry I or Elective..... | 5 |
| Science Elective (PHYS 121 or 201 Recommended) | 5 |
| SPCH 101 or SPCH 102 or SPCH 105 | 3 - 5 |
| Total Credits..... | 18-20 |

Quarter Two

| | Credits |
|---|-----------|
| BIO 152, General Botany..... | 5 |
| MATH 125, Calculus with Analytic Geometry II or Elective* | 5 |
| Science Elective (PHYS 122 or 202 Recommended) | 5 |
| Total Credits..... | 15 |

Quarter Three

| | Credits |
|---|--------------|
| BIO 153, General Zoology I | 5 |
| Physical Education Elective | 1 |
| MATH 126, Calculus with Analytic Geometry II or MATH 201, Statistics* | 5 |
| Science Elective (PHYS 123 or 203 Recommended) | 2 - 5 |
| Total Credits..... | 13-16 |
| Year Two Total..... | 46-51 |
| Grand Total..... | 93-98 |

EPC: 004

* Elective if MATH 124 and 125 have been completed.

Business Administration

AA-DTA, AAAS, CERTIFICATE

<http://wwcc.edu/business>

Steve Peters

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Department Overview: The Business Administration curriculum is designed for students who wish to gain the technology and skills necessary for employment and advancement in the business management environment. Students will be prepared to own their own business, work in a leadership role for others or transfer to a four-year institution. Business Administration curriculum is reviewed by an advisory board composed of local and regional industry members.

Mission: Because we believe the most critical factor of success is confidence, we make every effort to foster self-esteem throughout the department, empowering students to perform successfully in business-related careers and/or at the baccalaureate level.

Goals:

- Program completers will demonstrate technical competency in core ability and related instruction curriculum components.
- Students who have declared a program major will complete that program of study.
- Student and employer satisfaction will reflect a high degree of self-esteem, self-confidence, and the potential to grow within that job or business.
- Students completing the AAAS degree will become employed in a living wage job, with benefits.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Business and Management upon completion of the two-year program of study. The Business Administration Department also offers a Applied Arts and Sciences Degree in Retailing. One-year certificates are available upon completion of the first year of study in the AAAS Degree programs.

There is also an Associate in Business - DTA Degree for students wishing to pursue a business degree at a Washington public baccalaureate institution.

Industry Description: The nation's businesses are a part of an economic system that contributes to our society's standard of living and quality of life. Businesses provide the necessities of life such as food, clothing, housing, and medical care. Excelling in the day-to-day business processes that drive organizational success is integral for business managers. Business and management skills are critical to the survival of companies. Managers in today's highly competitive industries must have knowledge and skills in accounting, marketing, resource allocation, technology, retailing, and many more elements that are vital to a company's success.

Entrance Requirements: Students may begin their study in these programs in fall, winter or spring quarters. However, due to course sequencing and course prerequisites, it is preferable to begin in the fall quarter. A placement test offered by the Student Development Center must be completed prior to admittance to the program.

Other Information: Students transferring into the Business Administration Department from another institution should have their transcripts evaluated by an advisor at WWCC to determine which courses apply toward the business degree(s). Before entering the program all students need to secure and advisor within the Business Administration Department and become familiar with the degree requirements.

For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Direct Transfer Agreement

Associate in Business - DTA

This transfer agreement ensures that a student who completes an Associate in Business - DTA degree will have satisfied the lower division general education (or core) requirements and lower division business requirements at the Washington public baccalaureate institutions, subject to the provisos listed in the ICRC Handbook. Students must earn a cumulative gpa of at least a 2.0. Please note that admission for many business schools is competitive, and higher gpa's and course grades are often required. It is strongly recommended that students contact the baccalaureate-granting Business School early in their Associate in Business-DTA degree to be advised about additional requirements (i.e. gpa) and procedures for admission.

Degree Requirements

| Communication Skills | 15 Credits |
|----------------------|------------|
| English 101 | 5 |
| English 102 | 5 |
| Speech 101 | 5 |

| Quantitative Skills | 5 Credits |
|------------------------------------|-----------|
| (a) MATH 121 | 5 |
| (a) For EWU, choose MATH 115 | 5 |

| Humanities | 15 Credits |
|---|------------|
| <i>Course selections must meet the Humanities distribution requirements for the AA degree.</i> | |
| <i>(f) Foreign language may be required for international business majors and is required for admission to U of WA.</i> | |

| Social Sciences | 15 Credits |
|--------------------------|------------|
| ECON 201 | 5 |
| ECON 202 | 5 |
| PSY 101 or SOC 101 | 5 |

Natural Sciences 15 Credits

Course selections must meet the Natural Science distribution requirements for the AA degree.

| | |
|--|----|
| (g) Lab Science | 5 |
| (g) Science | 5 |
| Math 201 | 5 |
| (g) For WWU, Manufacturing Management requires CHEM 101 and PHYS 110 | 10 |

Physical Education 3 Credits

Three unduplicated activity courses are required.

Business Specific Courses 20 Credits

| | |
|------------------------|---|
| ACCT 201 | 5 |
| ACCT 202 | 5 |
| ACCT 203 | 5 |
| BA 251 or BA 252 | 5 |

General Electives 10 Credits

| | |
|----------------------------|---|
| BA 101 | 5 |
| BA 251 or | 5 |
| (d) BA 252 | 5 |
| (d) CT 103 | 5 |
| (d) (e) CT 121 | 5 |
| (f) Foreign Language | 5 |
| MATH 109 | 5 |
| (c) (d) (e) MATH 115 | 5 |
| (b) PSCI | 5 |

Grand Total.....98

EPC: 001B

- (a) For EWU, choose MATH 115
- (b) WSU requires a PSCI course to meet graduation requirements
- (c) Required by EWU
- (d) Required by WSU
- (e) Recommended by CWU
- (f) Foreign language may be required for international business majors and is required for admission to U of WA.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Business and Management

This technical degree provides the skills necessary for employment and preparation for advancement in the business management environment.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

Quarter One Credits

| | |
|---|-------|
| ACCT 201, Principles of Accounting I | 5 |
| BA 181, Cooperative Work Experience I..... | 2 - 5 |
| BA 182, Business Leadership Seminar I | 3 |
| BA 210, Marketing | 5 |
| CT 121, Computer Software Principles | 5 |

Total Credits.....20-23

Quarter Two Credits

| | |
|---|-------|
| BA 136, Business Communications I | 5 |
| BA 191, Cooperative Work Experience II..... | 2 - 5 |
| BA 192, Business Leadership Seminar II (L)..... | 3 |
| BA 215, Advertising..... | 5 |
| BA 217, Computer Software Applications..... | 5 |

Total Credits.....20-23

Quarter Three Credits

| | |
|---|---|
| BA 137, Business Communications II (W)..... | 5 |
| BA 189, Principles of Management..... | 5 |
| BA 197, Electronic Commerce: A Business Perspective | 5 |

Total Credits.....15

Year One Total.....55-61

Year Two

Quarter One Credits

| | |
|---------------------------------------|---|
| BA 102, Customer Service (R)..... | 5 |
| BA 112, Business Mathematics (M)..... | 5 |
| BA 187, Principles of Selling | 5 |

Total Credits.....15

Quarter Two Credits

| | |
|---|---|
| BA 153, Economic Survey | 4 |
| BA 287, Retailing | 5 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |

Total Credits.....14

Quarter Three Credits

| | |
|---|-------|
| BA 101, Introduction to Business..... | 5 |
| BA 157, Human Relations in Business (R)..... | 5 |
| BA 291, Cooperative Work Experience III..... | 2 - 5 |
| BA 292, Business Leadership Seminar III (J) | 3 |

Total Credits.....15-18

Year Two Total.....44-47

Grand Total.....99-108

EPC: 502

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

- (J) - BA 292
- (W) - BA 137
- (L) - BA 192
- (M) - BA 112
- (O) - OCSUP 102, SPCH 101, SPCH 102
- (R) - BA 102, BA 157

- (J) - Job Seeking Skills
- (L) - Leadership
- (M) - Computation/Mathematics
- (O) - Oral Communications
- (W) - Written Communications
- (R) - Human Relations

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Retailing

This technical degree provides the skills necessary for employment and preparation for advancement in the business retail environment.

Year One

Quarter One Credits

| | |
|--|---|
| ACCT 201, Principles of Accounting I | 5 |
|--|---|

BUSINESS ADMINISTRATION

| | |
|---|--------------|
| BA 181, Cooperative Work Experience I..... | 2 - 5 |
| BA 182, Business Leadership Seminar I | 3 |
| BA 210, Marketing | 5 |
| CT 121, Computer Software Principles | 5 |
| Total Credits..... | 20-23 |

Quarter Two

Credits

| | |
|---|-----------|
| BA 215, Advertising..... | 5 |
| BA 217, Computer Software Applications..... | 5 |
| BA 287, Retailing | 5 |
| Total Credits..... | 15 |

Quarter Three

Credits

| | |
|---|--------------|
| BA 137, Business Communications II (W)..... | 5 |
| BA 189, Principles of Management..... | 5 |
| BA 191, Cooperative Work Experience II..... | 2 - 5 |
| BA 192, Business Leadership Seminar II (L)..... | 3 |
| Total Credits..... | 15-18 |

Year One Total.....50-56

Year Two

Quarter One

Credits

| | |
|---|--------------|
| BA 112, Business Mathematics (M)..... | 5 |
| BA 187, Principles of Selling | 5 |
| BA 291, Cooperative Work Experience III..... | 2 - 5 |
| BA 292, Business Leadership Seminar III (J) | 3 |
| Total Credits..... | 15-18 |

Quarter Two

Credits

| | |
|--|-----------|
| BA 102, Customer Service | 5 |
| BA 160, Merchandise Display | 5 |
| BA 251, Introduction to Business Law I | 5 |
| Total Credits..... | 15 |

Quarter Three

Credits

| | |
|--|-----------|
| BA 101, Introduction to Business..... | 5 |
| BA 157, Human Relations in Business (R)..... | 5 |
| Approved Elective*..... | 5 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |
| Total Credits..... | 20 |

Year Two Total.....50-53

Grand Total.....100-109

EPC: 251

* Any BA, ACCT or DIT course over 100 that is not required for this degree will be accepted for the elective credit.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - BA 292

(W) - BA 137

(L) - BA 192

(M) - BA 112

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 102, BA 157

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Certificates

Certificate

Business and Management Certificate

This certificate provides the basic skills necessary for employment and preparation in the business management environment.

Year One

Quarter One

Credits

| | |
|---|--------------|
| ACCT 201, Principles of Accounting I | 5 |
| BA 181, Cooperative Work Experience I..... | 2 - 5 |
| BA 182, Business Leadership Seminar I | 3 |
| BA 210, Marketing | 5 |
| CT 121, Computer Software Principles | 5 |
| Total Credits..... | 20-23 |

Quarter Two

Credits

| | |
|---|--------------|
| BA 136, Business Communications I | 5 |
| BA 191, Cooperative Work Experience II..... | 2 - 5 |
| BA 192, Business Leadership Seminar II (L)..... | 3 |
| BA 215, Advertising..... | 5 |
| BA 217, Computer Software Applications..... | 5 |
| Total Credits..... | 20-23 |

Quarter Three

Credits

| | |
|---|-----------|
| BA 137, Business Communications II (W)..... | 5 |
| BA 189, Principles of Management..... | 5 |
| BA 197, Electronic Commerce: A Business Perspective | 5 |
| Total Credits..... | 15 |

Year One Total.....55-61

Grand Total.....55-61

EPC: 502C

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - BA 292

(W) - BA 137

(L) - BA 192

(M) - BA 112

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 102, BA 157

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Certificates

Certificate

Retailing Certificate

This certificate is equivalent to the first year of the AAAS Degree in Retailing.

Year One

Quarter One

Credits

| | |
|---|--------------|
| ACCT 201, Principles of Accounting I | 5 |
| BA 181, Cooperative Work Experience I..... | 2 - 5 |
| BA 182, Business Leadership Seminar I | 3 |
| BA 210, Marketing | 5 |
| CT 121, Computer Software Principles | 5 |
| Total Credits..... | 20-23 |

| Quarter Two | | Credits |
|---|---|---------|
| BA 215, Advertising..... | 5 | |
| BA 217, Computer Software Applications..... | 5 | |
| BA 287, Retailing | 5 | |
| Total Credits..... | | 15 |

| Quarter Three | | Credits |
|---|-------|---------|
| BA 137, Business Communications II (W)..... | 5 | |
| BA 189, Principles of Management..... | 5 | |
| BA 191, Cooperative Work Experience II..... | 2 - 5 | |
| BA 192, Business Leadership Seminar II (L)..... | 3 | |
| Total Credits..... | | 15-18 |
| Year One Total..... | | 50-56 |
| Grand Total..... | | 50-56 |

EPC: 251C

* Any BA, ACCT or DIT course over 100 that is not required for this degree will be accepted for the elective credit.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - BA 292

(W) - BA 137

(L) - BA 192

(M) - BA 112

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 102, BA 157

| | |
|-------------------------------|---------------------------|
| (J) - Job Seeking Skills | (L) - Leadership |
| (M) - Computation/Mathematics | (O) - Oral Communications |
| (W) -Written Communications | (R) - Human Relations |

Carpentry

AAAS, CERTIFICATE

<http://wwcc.edu/carpentry>

| | | |
|------------------|--------------|--|
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| Phil Kepler- Clk | 509.780.1125 | phillip.kepler@wwcc.edu |

Department Overview: Each year the Carpentry program builds a residential home with the support of the WWCC Foundation. This hands-on training allows students to participate in the "foundation-to-finish" experiences necessary to build a new home while completing the required carpentry coursework and related instruction for the AAAS Degree. Students will graduate from the Carpentry program with the knowledge and experience necessary to begin employment in the construction industry. Carpentry curriculum is reviewed by an advisory board composed of local and regional industry members.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Carpentry upon completion of the two-year program of study. This degree will prepare students to take the journeyman carpenter examination. A Carpentry Certificate, is available upon completion of the first year of study in the program.

Industry Description: Carpenters are involved in many different kinds of construction activity, from the building of highways and bridges, to the installation of kitchen cabinets. Carpenters construct, erect, install, and repair structures and fixtures made from wood and other materials. Depending on the type of work and the employer, carpenters may specialize in one or two activities or may be required to know how to perform many different tasks. Small home builders and remodeling companies may require carpenters to learn about all aspects of building a house-framing walls and partitions, putting in doors and windows, building stairs, installing cabinets and molding, and many other tasks. Large construction contractors or specialty contractors, however, may require their carpenters to perform only a few regular tasks, such as framing walls, constructing wooden forms for pouring concrete, or erecting scaffolding.

Entrance Requirements: It is recommended that the student contact the lead instructor regarding appropriate program placement and paying a priority list fee to determine specific quarter start in the program. Students may enter the program fall, winter or spring quarter, however, due to course sequencing it is recommended to begin in the fall. A placement test offered by the Student Development Center must be completed prior to admittance to the program.

Other Information: All construction work expected of carpenters is completed by students. Electricians, plumbers, and heating/air conditioning technicians and concrete flat work sub-contractors are hired to assist in meeting strict building codes.

For additional program information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Carpentry

This technical degree prepares the student for an entry-level position in the carpentry industry. Completion of this two-year program will enhance the student's ability to pass the Journeyman Carpenter Examination.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|--|-----------|
| CARP 181, Introduction to Carpentry | 18 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| Total Credits..... | 23 |

CARPENTRY/CHEMISTRY

Quarter Two

| | |
|--|-----------|
| CARP 182, On-Site Work: Exterior | 18 |
| OCSUP 102, Oral Communication in the Workplace (O) | 3 |
| Total Credits..... | 21 |

Quarter Three

| | |
|--|-----------|
| CARP 183, On-Site Work: Interior Finish..... | 18 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| Total Credits..... | 21 |
| Year One Total..... | 65 |

Year Two

Quarter One

| | |
|--|-----------|
| CARP 284, Advanced Work in Layout* | 18 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 21 |

Quarter Two

| | |
|--|-----------|
| CARP 285, Advanced Blueprint Reading II*..... | 18 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R)..... | 3 |
| Total Credits..... | 21 |

Quarter Three

| | |
|---------------------------------------|------------|
| CARP 299, Leadership (L) | 1 |
| CARP 286, Advanced On-Site Work*..... | 18 |
| Total Credits..... | 19 |
| Year Two Total..... | 61 |
| Grand Total..... | 126 |

EPC: 745

* CARP 191, Cooperative Work Experience may be substituted for CARP 284, 285 or 286 with instructor permission.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - OCSUP 103

(W) - ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - CARP 299

(M) - BA 112, MATH 049, OCSUP 106

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - OCSUP 101, PSY 101

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Certificates

Certificate

Carpentry Certificate

This certificate is equivalent to the first year of the AAAS Degree in Carpentry.

Year One

Quarter One

| | |
|--|-----------|
| CARP 181, Introduction to Carpentry | 18 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| Total Credits..... | 23 |

Quarter Two

| | |
|---|-----------|
| CARP 182, On-Site Work: Exterior | 18 |
| OCSUP 102, Oral Communication in the Workplace (O)..... | 3 |
| Total Credits..... | 21 |

Quarter Three

| | |
|--|-----------|
| CARP 183, On-Site Work: Interior Finish..... | 18 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| Total Credits..... | 21 |
| Year One Total..... | 65 |
| Grand Total..... | 65 |

EPC: 745C

* CARP 191, Cooperative Work Experience may be substituted for CARP 284, 285 or 286 with instructor permission.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - OCSUP 103

(W) - ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - CARP 299

(M) - BA 112, MATH 049, OCSUP 106

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - OCSUP 101, PSY 101

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Chemistry

AS

<http://wwcc.edu/chemistry>

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Department Overview: Chemistry, provides much of the common vocabulary, facts, and tools necessary for success in any area of science. Ultimately, most of the phenomena in the biological, geological, physical, environmental, and medical sciences can be expressed in terms of the chemical and physical behavior of atoms and molecules. Because of chemistry's key role, one or two years of chemistry are essential for students planning careers in the sciences.

Mission: To provide students with a diverse array of physical and life science classes through which they will develop an increased awareness and understanding of scientific knowledge and the scientific method of investigation by which this knowledge has been gained.

Goals:

- To offer a variety of introductory science classes which fulfill the necessary Natural Science graduation requirements for all AA transfer students.
- To assist non-science majors in becoming more scientifically literate.
- To provide science majors with the foundation knowledge they will need in order to successfully continue on to upper level courses; either at WWCC or at a transfer institution.

- To offer comprehensive sequences of lower division science classes in a variety of disciplines which provide science majors with a solid one or two years of preparation in their chosen field comparable to what they would receive in the first two years as a resident student at a transfer institution.
- To provide pre-professional (nursing, dentistry, optometry, physical therapy, etc.) students with the first two years of course work necessary for entrance in most Allied Health related programs.

Degrees: Students may earn an Associate in Science (AS) Degree - Option I, which is designed for those who complete a 93 credit program that is parallel with the first two years of a baccalaureate institution to which they intend to transfer. A cumulative gpa of 2.0 or higher is required for successful completion of this degree.

Coursework is concentrated in specific mathematics and sciences requirements. Additional coursework in general education, humanities and social sciences will be required at the transfer institution. Some remaining general education requirements may be satisfied with upper division courses. Students need to meet with department advisors at the baccalaureate institution to determine appropriate educational plan.

Preparation for Success: Majors in chemistry are well prepared to pursue careers in a wide variety of allied fields as well as in chemistry. Students interested in a major in Chemistry should take courses in science and mathematics.

Career Opportunities: Chemists and materials scientists held about 91,000 jobs in 2002. About 44 percent of all chemists and material scientists are employed in manufacturing firms—mostly in the chemical manufacturing industry, which includes firms that produce plastics and synthetic materials, drugs, soaps and cleaners, pesticides and fertilizers, paint, industrial organic chemicals, and other chemical products. About 15 percent of chemists and material scientists work in scientific research and development services; another 13 percent work in architectural, engineering, and related services. In addition, thousands of persons with a background in chemistry and materials science hold teaching positions in high schools and in colleges and universities.

A bachelor's degree in chemistry or a related discipline usually is the minimum educational requirement for entry-level chemist jobs.

Degrees

Associate in Science

Associate in Science Degree - Option I (Chemistry)

Recommended two-year schedule (Option I). For other degree information, students should check with their advisors, transfer center staff, and college degree guidelines. Students should also note that it is extremely important to begin sequential courses in the fall since those courses are typically offered one quarter per year.

Transferability: For transfer information at specific institution and/or programs consult with your advisor.

Year One

| Quarter One | Credits |
|--|-----------|
| CHEM 121, General Chemistry I | 5 |
| Physical Education Elective | 1 |
| MATH 109, Precalculus I or MATH 124, Calculus with Analytic Geometry I | 5 |
| ENG 101, English Composition I | 5 |
| Total Credits..... | 16 |

| Quarter Two | Credits |
|--|--------------|
| CHEM 122, General Chemistry II | 5 |
| MATH 110, Precalculus II or MATH 125, Calculus with Analytic Geometry II | 5 |
| SPCH 101 or SPCH 102 or SPCH 105 | 3 - 5 |
| Total Credits..... | 13-15 |

| Quarter Three | Credits |
|---|--------------|
| CHEM 123, General Chemistry III | 5 |
| Physical Education Elective | 1 |
| Humanities or Social Science Elective | 5 |
| Social Science Elective | 5 |
| Total Credits..... | 16 |
| Year One Total..... | 45-47 |

Year Two

| Quarter One | Credits |
|--|-----------|
| Humanities Elective..... | 5 |
| MATH 124, Calculus with Analytic Geometry I or Elective* | 5 |
| PHYS 121, College Physics I or PHYS 201, Physics for Science and Engineering I | 5 |
| Total Credits..... | 15 |

| Quarter Two | Credits |
|--|-----------|
| MATH 125, Calculus with Analytic Geometry II or Elective* | 5 |
| PHYS 122, College Physics II or PHYS 202, Physics for Science and Engineering II | 5 |
| Science Elective..... | 5 |
| Total Credits..... | 15 |

| Quarter Three | Credits |
|--|--------------|
| Physical Education Elective | 1 |
| MATH 126, Calculus with Analytic Geometry II or MATH 201, Statistics | 5 |
| PHYS 123, College Physics III or PHYS 203, Physics for Science and Engineering III | 5 |
| Science or Math Elective | 5 |
| Total Credits..... | 16 |
| Year Two Total..... | 46 |
| Grand Total..... | 91-93 |

EPC: 004

* Elective if MATH 124 and 125 have been completed.

Civil Engineering Technology

AAAS, AAS-T, AS, CERTIFICATE

<http://wwcc.edu/civilengineering>

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Department Overview: Civil Engineering Technology educates students in the design and development of civil projects with an emphasis on the understanding of social, ethical, safety, and health related issues that pertain to the practice of civil engineering. Students gain a sound knowledge of the fundamental principles of civil engineering technology enabling them to either enter the work force or continue their education in engineering. Civil Engineering Technology curriculum is reviewed by an advisory board composed of local and regional industry members.

Mission: To provide quality instruction in Civil Engineering Technology for the industry and individuals.

Goals:

- Provide a sound knowledge of the fundamental principles of civil engineering technology so that they may either enter the work force or continue their education in engineering.
- Develop critical thinking and problem solving skills that can be applied to a wide range of problems, both technical and non-technical.
- Provide the skills necessary for the practice of civil engineering technology.
- Provide a well-balanced educational experience that will foster communication skills, appreciation of social values, and an understanding of the social implications of technology.
- Remain technically current and responsive to the changing needs of society.

Degrees: Students may earn an Associate in Applied Arts and Sciences (AAAS) Degree in Civil Technology upon completion of the two-year program of study. The Civil Engineering Technology program also offers specialized degrees in Associate in Science Degree - Option II (Civil Engineering Technology) or an Associate in Applied Science - Transfer Degree (Civil Engineering Technology - TAC/ABET), which is accredited by the ABET (Accreditation Board for Engineering and Technology). One-year certificate options include Surveying and Engineering Graphics. These degree options allow students the freedom to pursue careers after either one or two years of training, or to continue their education.

Industry Description: Civil engineering technicians help civil engineers to plan and build highways, buildings, bridges, dams, wastewater treatment systems, and other structures, and to do related research. Some estimate construction

costs and specify materials to be used, and some may even prepare drawings or perform land-surveying duties. Others may set up and monitor instruments used to study traffic conditions. Civil engineering, considered to be one of the oldest engineering disciplines, encompasses many specialties. The major specialties within civil engineering are structural, water resources, environmental, construction, transportation, and geotechnical engineering. Due to their involvement in relatively all aspects of twenty first century culture, the demand for Civil Engineering Technicians is prominent. Cities, counties, state and federal agencies hire civil engineers and civil engineering technicians and technologists.

Entrance Requirements: Students may begin their study in these programs in fall, winter or spring quarters. A placement test offered by the Student Development Center must be completed prior to admittance to the program.

Other Information: For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Civil Technology

This technical degree prepares the student for immediate employment in the civil technology industry. It may be utilized by individuals planning to enter their chosen career upon graduation or for the individual who is interested in improving current skills and knowledge.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|---|-----------|
| CET 103, Engineering Concepts and Problems..... | 5 |
| CET 141, Engineering Graphics *..... | 4 |
| ENG 100, Basic Expository Writing (W)..... | 5 |
| MATH 065, Introductory Algebra (M) ***..... | 5 |
| Total Credits..... | 19 |

| Quarter Two | Credits |
|--|-----------|
| CET 151, Computer Aided Drafting and Design *..... | 3 |
| CET 166, Introduction to Hydrology..... | 3 |
| CET 242, Properties of Materials *..... | 4 |
| MATH 095, Intermediate Algebra ***..... | 5 |
| PSY 140, Career and Life Planning (I)..... | 3 |
| Total Credits..... | 18 |

| Quarter Three | Credits |
|---|-----------|
| CET 100, Estimating..... | 3 |
| CET 160, Elementary Surveying *..... | 6 |
| CET Elective**..... | 4 |
| OCSUP 108, Applied Mathematics II or MATH 110, Pre-Calculus II ***..... | 5 |
| Total Credits..... | 18 |
| Year One Total..... | 55 |

Year Two

| Quarter One | Credits |
|---|----------------|
| CET 152, Advanced CADD Problems..... | 3 |
| CET 161, Advanced Surveying *..... | 6 |
| CET 220, Engineering Mechanics - Statics *..... | 5 |
| CET 223, Hydraulics..... | 4 |
| Total Credits..... | 18 |

| Quarter Two | Credits |
|---|----------------|
| CET 222, Engineering Mechanics - Strength of Materials *..... | 5 |
| CET 224, Soil Mechanics for Construction..... | 4 |
| CET 263, Transportation and Highway Engineering..... | 4 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |
| Total Credits..... | 18 |

| Quarter Three | Credits |
|---|----------------|
| CET 201, Engineering Construction Management *..... | 4 |
| CET 202, Construction Inspection..... | 3 |
| CET 221, Engineering Design Fundamentals *..... | 5 |
| CET 226, Concrete and Asphalt Pavements..... | 3 |
| CET 299, Leadership (L)..... | 1 |
| PSY 101, Introduction to Psychology (R)..... | 5 |
| Total Credits..... | 21 |
| Year Two Total..... | 57 |
| Grand Total..... | 112 |

EPC: 612

* These asterisked CET courses are required for completion of the certificate (17 credits) or the degree (42 credits).

The student must have at least 15 non-asterisked CET credits for certificate or 37 credits for degree.

** Any Civil Engineering Technology (CET) course not required for the degree may be used for the elective requirement.

*** This is the minimum math level required for the degree.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - AGPR 100, BA 292, OCSUP 103, PSY 140

(W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - CET 299

(M) - MATH 065

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 157, OCSUP 101, PSY 101, PSY 111, WMGT 192, WMGT 292

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Degrees

Associate in Applied Science-Transfer

Associate in Applied Science - Transfer Degree (Civil Engineering Technology -TAC/ABET)

This degree provides students the technical coursework required for job preparation, while including a college-level general education component. Coursework is concentrated in specific mathematics and sciences requirements. Additional coursework in general education, humanities and social sciences will be required at the transfer institution. Some remaining general education requirements may be satisfied with upper division courses. Students need to meet with department advisors at the baccalaureate institution to determine appropriate educational plan.

Transferability: Several baccalaureate institutions have specific bachelor degree programs that accept the Associate in Applied Science-Transfer (AAS-T) Degree. Students seeking to transfer to degree programs other than those specifically designed for the AAS-T are urged to consider the Associate in Science Degree in preparation for transfer.

Year One

| Quarter One | Credits |
|---------------------------------------|----------------|
| CET 141, Engineering Graphics **..... | 4 |
| ENG 101, English Composition I *..... | 5 |
| MATH 109, Precalculus I *..... | 5 |
| Science Elective***..... | 5 |
| Total Credits..... | 19 |

| Quarter Two | Credits |
|---|----------------|
| CET 151, Computer Aided Drafting and Design **..... | 3 |
| CET 242, Properties of Materials **..... | 4 |
| Approved Elective****..... | 5 |
| MATH 110, Precalculus II ***..... | 5 |
| Total Credits..... | 17 |

| Quarter Three | Credits |
|---|----------------|
| CET 100, Estimating **..... | 3 |
| CET 160, Elementary Surveying **..... | 6 |
| CET 226, Concrete and Asphalt Pavements **..... | 3 |
| Mathematics Elective***..... | 5 |
| Total Credits..... | 17 |
| Year One Total..... | 53 |

Year Two

| Quarter One | Credits |
|--|----------------|
| CET 161, Advanced Surveying **..... | 6 |
| CET 220, Engineering Mechanics - Statics **..... | 5 |
| Science Elective***..... | 5 |
| SPCH 101 or SPCH 102 or SPCH 105*..... | 3 - 5 |
| Total Credits..... | 19-21 |

| Quarter Two | Credits |
|--|----------------|
| CET 222, Engineering Mechanics - Strength of Materials **..... | 5 |
| Humanities, Social Science or Natural Science Elective*..... | 5 |
| Science Elective***..... | 5 |
| Total Credits..... | 15 |

| Quarter Three | Credits |
|--|----------------|
| CET 201, Engineering Construction Management **..... | 4 |
| CET 221, Engineering Design Fundamentals **..... | 5 |
| Science Elective***..... | 5 |
| PSY 101, Introduction to Psychology *..... | 5 |
| Total Credits..... | 19 |
| Year Two Total..... | 53-55 |
| Grand Total..... | 106-108 |

EPC: 612R

* ENG 101 or higher fulfills the communication requirement.

* MATH 109 or higher fulfills the computation mathematics requirement.

* PSY 101 fulfills the human relations requirement.

* Refer to the AA guidelines for approved Humanities, Social Science or Natural Science; and Speech requirements.

** Core Civil Engineering Technology course work

*** Required Electives (35 credits):

15 credits of the following: MATH 109, 110, 115, 121, 124, 125, 126, 201, 22, 224, 238

20 credits of the following: CHEM 101, 121, 122, 123; PHYS 121, 122, 123; PHYS 201, 202, 203

CIVIL ENGINEERING TECHNOLOGY

**** Suggested Electives (23 credits):

Civil Engineering Technology: All other CET courses

Mathematics: All other MATH courses 110 or higher

Physics: All PHYS courses 121 or higher

Computer Programming: CT 130, 131, and 150

Geography: GEOG 210

Geology: GEOL 101

Degrees

Associate in Science

Associate in Science Degree -Option II (Civil Engineering Technology)

This technical degree prepares the student for an entry-level position in the civil engineering industry or as preparation for transfer to a private baccalaureate institution.

Transferability: Transfer students should plan their degrees in accordance with the requirements of the institution to which they plan to transfer. They should also be aware that colleges within universities may have admission requirements significantly higher than the 2.0 gpa required for the AS degree and that they may look at performance in specific classes in determining a student's admission.

General Education Requirements 63 Credits

Communication Skills 8 Credits

At least eight (8) credits, including one course from each of the two course areas.

English Composition - ENG 101, 1025
Speech - SPCH 101, 1023-5

Quantitative Skills 15 Credits

At least fifteen (15) credits in courses at or above introductory calculus level.

Mathematics - MATH 124, 125, 126, 201, 220, 224, 23815

Humanities and Social Sciences 15 Credits

At least fifteen (15) credits: a minimum of five (5) credits in humanities, a minimum of five (5) credits in social sciences, plus an additional five (5) credits in either humanities or social sciences for a total of fifteen (15) credits. Refer to the Associate in Arts Planning Guide or WWCC Catalog for approved courses.

Natural Sciences 20 Credits

A minimum of twenty (20) credits, including a sequence of fifteen (15) credits in physics (with lab); five (5) credits in chemistry (with lab for engineering majors).

Physics - PHYS 121, 122, 123, 201, 202, 203
(Engineering highly recommends PHYS 201, 202 and 203 series).....15
Chemistry - CHEM 1215

Computer Programming 5 Credits

Five (5) credits in computer programming language (based on requirements of specific discipline at baccalaureate institution where student plans to attend).

Computer Technology - CT 130, 1315

Additional Requirements 30 Credits

Physical Education 3 Credits

Three (3) unduplicated activity courses required. A maximum of six (6) physical education activity credits will be counted toward the AS Degree. Waived for military service and physician recommendation only.

General Electives 27 Credits

The remaining twenty-seven (27) credits should be planned with the help of an advisor based on the requirements of the specific discipline at the baccalaureate institution where the student plans to attend. Suggested courses could include: Mathematics - MATH 126, 201, 220, 224, 238; Chemistry - CHEM 122, 123

Department Recommendations 27 Credits

Suggested Engineering Electives

The elective credits consist of general engineering core courses and should be planned with the help of an Engineering advisor based on requirements of the specific discipline and baccalaureate institution the student plans to attend. These courses shall include core courses from the ABET accredited program. The student shall enroll in the following CET core courses as part of the suggested engineering credits: CET 141, 242, 151, 220 and 222.

The remaining credits may be selected from the following CET courses:

CET 100, 103, 152, 160, 161, 166, 201, 224, 226, 250, or 263.6

EPC:004E

Certificates

Certificate

Engineering Graphics Certificate

This certificate is equivalent to the first year of the AAAS Degree in Civil Technology.

Year One

Quarter One Credits

CET 103, Engineering Concepts and Problems.....5
CET 141, Engineering Graphics *4
ENG 100, Basic Expository Writing (W).....5
MATH 065, Introductory Algebra (M)5

Total Credits.....19

Quarter Two

| | |
|---|-----------|
| CET 151, Computer Aided Drafting and Design * | 3 |
| CET 166, Introduction to Hydrology | 3 |
| CET 242, Properties of Materials * | 4 |
| MATH 095, Intermediate Algebra | 5 |
| PSY 140, Career and Life Planning (J) | 3 |
| Total Credits | 18 |

Quarter Three

| | |
|---|-----------|
| CET 100, Estimating | 3 |
| CET 160, Elementary Surveying * | 6 |
| CET Elective** | 4 |
| OCSUP 108, Applied Mathematics II or MATH 110, Pre-Calculus II* | 5 |
| Total Credits | 18 |
| Year One Total | 55 |
| Grand Total | 55 |

EPC: 612C

* These asterisked CET courses are required for completion of the certificate (17 credits) or the degree (42 credits).

The student must have at least 15 non-asterisked CET credits for certificate or 37 credits for degree.

** Any Civil Engineering Technology (CET) course not required for the degree may be used for the elective requirement.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

- (J) - AGPR 100, BA 292, OCSUP 103, PSY 140
 (W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110
 (L) - CET 299
 (M) - MATH 065
 (O) - OCSUP 102, SPCH 101, SPCH 102
 (R) - BA 157, OCSUP 101, PSY 101, PSY 111, WMGT 192, WMGT 292

- (J) - Job Seeking Skills (L) - Leadership
 (M) - Computation/Mathematics (O) - Oral Communications
 (W) - Written Communications (R) - Human Relations

Certificates

Certificate

Surveying Certificate

This degree prepares the student for employment at the Technician II level with most city, county, or federal agencies.

Transferability: Transferability of credits to baccalaureate institutions in Washington State is course specific.

Year One

| | |
|---------------------------------------|----------------|
| Quarter One | Credits |
| CET 141, Engineering Graphics | 4 |
| CET Elective* | 4 |
| ENG 100, Basic Expository Writing (W) | 5 |
| MATH 065, Introductory Algebra (M) | 5 |
| Total Credits | 18 |

Quarter Two

| | |
|--|-----------|
| CET 100, Estimating | 3 |
| CET 160, Elementary Surveying | 6 |
| CET Elective* | 4 |
| OCSUP 108, Applied Mathematics II or MATH 110, Pre-Calculus II | 5 |
| Total Credits | 18 |

Quarter Three

| | |
|---|-----------|
| CET 103, Engineering Concepts and Problems | 5 |
| CET 151, Computer Aided Drafting and Design | 3 |
| CET 161, Advanced Surveying | 6 |
| OCSUP 103, Job Seeking Skills (J) | 3 |
| Total Credits | 17 |
| Year One Total | 53 |
| Grand Total | 53 |

EPC: 603C

* Any Civil Engineering Technology (CET) course not required for the certificate may be used for the elective requirement.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

- (J) - AGPR 100, BA 292, OCSUP 103, PSY 140
 (W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110
 (M) - MATH 065

- (J) - Job Seeking Skills (L) - Leadership
 (M) - Computation/Mathematics (O) - Oral Communications
 (W) - Written Communications (R) - Human Relations

Commercial Truck Driving

CERTIFICATE

<http://wwcc.edu/truckdriving>

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Department Overview: Commercial Truck Driving offers short-term courses that provide students the potential for immediate employment in a living wage job upon successful completion. The Federal Motor Carrier Safety Administration (FMCSA) requires specialized training in the areas of driver qualification, hours of service, driver wellness, and whistleblower protection for entry-level drivers who are subject to the commercial drivers license requirements (49 CFR Part 380). The Commercial Truck Driving program provides the mandatory training for the Washington State Commercial Truck Driving Licensure requirements for both new and renewing drivers. Students learn to maneuver large vehicles on crowded streets and in highway traffic, as well as learn to inspect trucks and freight for compliance with regulations. The Commercial Truck Driving curriculum is reviewed by an advisory board composed of local and regional industry members.

Mission: Training the workforce to success in industry, is a journey not a destination.

Goals:

- Implement competency-based education, skill standards, and program certification.
- Create and maintain a marketing plan related to student recruitment.
- Update facilities with consideration for function and appearance.

COMMERCIAL TRUCK DRIVING/COMPUTER TECHNOLOGY

Degrees: WWCC offers an Truck Driver Training Certificate and a Advanced Truck Driver Training Certificate.

Industry Description: Truck drivers are a constant presence on the nation's highways and interstates, delivering three out of every four tons of goods shipped in the country. Firms of all kinds rely on trucks for pickup and delivery of goods because no other form of transportation can deliver goods door to door. Even if goods travel in part by ship, train, or airplane, trucks carry nearly all goods at some point in their journey from producer to consumer. This trend, combined with increased pay and benefit packages provided by motor carrier employers has lead to the strong demand for commercial truck drivers.

Entrance Requirements: Students interested in receiving a Certificate must have: (1) valid CDL permit preferably from Washington State or Oregon, (2) DOT Physical form completed, (3) DMV five year history with no DWI, negligent, reckless, or hit and run infractions, and (4) drug and alcohol testing. Students may enter the program fall, winter or spring quarter.

Other Information: For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Certificates

Certificate

Commercial Truck Driver Certificate

This certificate will prepare the student to take the Washington State Commercial Drivers License test. It is designed for immediate employment or may be utilized by individual who is interested in improving current skills and knowledge.

Year One

| Quarter One | Credits |
|---|-----------|
| TRK 110, Truck Driver Training..... | 12 |
| TRK 120, Truck Driver Training - Lab..... | 10 |
| Total Credits..... | 22 |
| Year One Total..... | 22 |
| Grand Total..... | 22 |

EPC: 715C

Certificates

Certificate

Advanced Truck Driver Training Certificate

This certificate will prepare the student to take the Washington State Commercial Drivers License test. It is designed for immediate employment or may be utilized by individual who is interested in improving current skills and knowledge.

Year One

| Quarter One | Credits |
|---|--------------|
| TRK 110, Truck Driver Training..... | 12 |
| TRK 120, Truck Driver Training - Lab..... | 10 |
| Total Credits..... | 22 |
| Quarter Two | Credits |
| TRK 191, Cooperative Work Experience..... | 1 - 18 |
| Total Credits..... | 1-18 |
| Year One Total..... | 23-40 |
| Grand Total..... | 23-40 |

EPC: 715

Computer Technology

AAAS, CERTIFICATE

<http://wwcc.edu/computer>

| | | |
|----------------------|--------------|--|
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| Lisa Greenville- Clk | 509.758.1715 | lisa.greenville@wwcc.edu |
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Department Overview: Computer Technology endeavors to create an understanding of computer operating systems, programming, and computer applications and hardware allowing the student to solve computer related problems. Courses are taught in lecture, lab, shop, and cooperative (on-the-job) training formats. Courses are developed by the Computer Technology Program Advisory Board, which consists of experts working in local and regional computer-related businesses and senior faculty. This curriculum is developed with respect to the requirements of nationally recognized certification boards, is reviewed by an advisory board composed of local and regional industry members, and results in a fully accredited program. Computer Application Integration, Network Support, and the one-year certificates prepare the student to take industry certification tests such as Cisco (CCNP, CCNA), Microsoft Office User Series (MOUS), Microsoft Certified Systems Engineer (MCSE), and A+. Elective courses allow students to pursue aspects of the computer industry that are of personal and professional interest.

Mission: To develop employable students, while encouraging life-long learning program and industry skill standards for high demand computer technology careers.

Goals:

- Graduates should be employable in their degree area, at a living wage job with benefits.
- Encourage completers to pursue bachelor level programs in computer technology.
- Maintain advanced certificate, degree and endorsements that stay current with latest industry standards.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in two key areas of computer technology: Network Support and Computer Application Integration. One-year certificates are also available for each of the above listed AAAS degrees.

Industry Description: Computer Technology is the application of computing equipment and methods to the solution of human and business problems. Occupations related to Computer Technology have represented the nation's fastest growing areas of job opportunity in the past ten years and is projected to continue for the next ten years.

Entrance Requirements: Students may enter the program fall, winter or spring quarter, however, due to course sequencing it is recommended to begin in the fall. A placement test offered by the Student Development Center must be completed prior to admittance to the program.

Other Information: For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Network Support

This technical degree provides students with a working knowledge of computer networks, including network hardware and popular network operating systems. Successful completion will prepare students for the Certified Cisco Network Associate exam (CCNA). Additional credits will be necessary to prepare for the Certified Cisco Network Professional (CCNP) certification examination.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|--|-----------|
| CT 103, Introduction to Computer Technology..... | 5 |
| CT 121, Computer Software Principles | 5 |
| CT 146, CCNA 1: Networking Basics | 5 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| Total Credits..... | 18 |

| Quarter Two | Credits |
|--|-----------|
| BA 136, Business Communications I | 5 |
| CT 133, Operating Systems | 5 |
| CT 137, Windows Client..... | 5 |
| CT 147, CCNA 2: Routers and Routing Basics | 5 |
| Total Credits..... | 20 |

| Quarter Three | Credits |
|---------------------------------------|---------|
| BA 112, Business Mathematics (M)..... | 5 |

| | |
|---|-----------|
| CT 125, Internet Technologies..... | 5 |
| CT 248, CCNA 3: Switching Basics and Intermediate Routing | 5 |
| CT 249, CCNA 4: WAN Technologies..... | 5 |
| CT 299, Leadership (L)..... | 1 |
| Total Credits..... | 21 |
| Year One Total..... | 59 |

Year Two

| Quarter One | Credits |
|--|-----------|
| BA 102, Customer Service (R)..... | 5 |
| CT 145, Unix/Linux Operating Systems | 5 |
| CT 243, Fundamentals of Computer Systems | 5 |
| CT 275, CCNP 1: Advanced Routing..... | 5 |
| Total Credits..... | 20 |

| Quarter Two | Credits |
|---|-----------|
| BA 137, Business Communications II (W)..... | 5 |
| CT 130, Structured Problem Solving..... | 5 |
| CT 270, Fundamentals of Network Security..... | 5 |
| CT 294, Windows Server 2003 Administration..... | 5 |
| Total Credits..... | 20 |

| Quarter Three | Credits |
|--|------------|
| CT 272, Windows 2003 Server Network Infrastructure | 5 |
| CT 295, Netware Administration | 5 |
| Computer Technology Elective * | 5 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |
| Total Credits..... | 20 |
| Year Two Total..... | 60 |
| Grand Total..... | 119 |

EPC: 527

* Any CT course 100 level or higher not required for the degree may be used for the elective course.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - OCSUP 103, PSY 140

(W) - BA 137, ENG 101

(L) - CT 299

(M) - BA 112, MATH 095

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 102, OCSUP 101, PSY 101, PSY 111

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Computer Application Integration

This technical degree provides students with a working knowledge of application software used on the microcomputer for personal and professional productivity, business, or other environments. Successful completion will prepare students for the Microsoft Office User Series (MOUS) certification examinations.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

COMPUTER TECHNOLOGY

Year One

| Quarter One | Credits |
|--|-----------|
| BA 102, Customer Service (R)..... | 5 |
| CT 103, Introduction to Computer Technology..... | 5 |
| CT 121, Computer Software Principles | 5 |
| MATH 095, Intermediate Algebra (M)..... | 5 |
| Total Credits..... | 20 |

| Quarter Two | Credits |
|--|-----------|
| BA 217, Computer Software Applications..... | 5 |
| CT 130, Structured Problem Solving..... | 5 |
| CT 161, Introduction to Database Design and Theory | 5 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 18 |

| Quarter Three | Credits |
|---|-----------|
| CT 150, Visual Basic Programming..... | 5 |
| CT 211, Word Processing Application Development | 5 |
| CT 261, SQL and Relational Database Programming..... | 5 |
| Selected Elective* | 5 |
| Total Credits..... | 20 |
| Year One Total..... | 58 |

Year Two

| Quarter One | Credits |
|--|-----------|
| CT 146, CCNA 1: Networking Basics | 5 |
| CT 221, Spreadsheet Application Development..... | 5 |
| CT 241, Advanced Database Development | 5 |
| Selected Elective* | 5 |
| Total Credits..... | 20 |

| Quarter Two | Credits |
|---|-----------|
| CT 137, Windows Client..... | 5 |
| CT 250, Application Integration using VBA | 5 |
| CT 290, Computer Systems Design..... | 5 |
| Selected Elective* | 5 |
| Total Credits..... | 20 |

| Quarter Three | Credits |
|---|------------|
| CT 251, Advanced Software Development | 5 |
| CT 291, Cooperative Work Experience II..... | 5 |
| CT 292, Cooperative Seminar II..... | 1 |
| CT 299, Leadership (L)..... | 1 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |
| Total Credits..... | 20 |
| Year Two Total..... | 60 |
| Grand Total..... | 108 |

EPC: 518

* Selected Electives (10 credits of the following):

Accounting: ACCT 201, ACCT 115

Business: BA 101, BA 187, BA 197, BA 210

Digital Media: DIT 101, DIT 110, DIT 221

Networking: CT 147, CT 294

Programming: CT 131, DIT 220

Tech Support: CT 190, CT 243, CT 245

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - DIT 191, OCSUP 103, PSY 140

(W) - BA 137, ENG 101, WRITE 100

(L) - CT 299

(M) - BA 112, MATH 095

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 102, OCSUP 101, PSY 101, PSY 111

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Certificates

Certificate

Network Support Certificate

This certificate provides students with a working knowledge of computer networks, including network hardware and popular network operating systems.

Year One

| Quarter One | Credits |
|--|-----------|
| CT 103, Introduction to Computer Technology..... | 5 |
| CT 121, Computer Software Principles | 5 |
| CT 146, CCNA 1: Networking Basics | 5 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| Total Credits..... | 18 |

| Quarter Two | Credits |
|--|-----------|
| BA 136, Business Communications I | 5 |
| CT 133, Operating Systems | 5 |
| CT 137, Windows Client..... | 5 |
| CT 147, CCNA 2: Routers and Routing Basics | 5 |
| Total Credits..... | 20 |

| Quarter Three | Credits |
|---|-----------|
| BA 112, Business Mathematics (M)..... | 5 |
| CT 125, Internet Technologies..... | 5 |
| CT 248, CCNA 3: Switching Basics and Intermediate Routing | 5 |
| CT 249, CCNA 4: WAN Technologies..... | 5 |
| CT 299, Leadership (L)..... | 1 |
| Total Credits..... | 21 |
| Year One Total..... | 59 |
| Grand Total..... | 59 |

EPC: 527C

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - OCSUP 103, PSY 140

(W) - BA 137, ENG 101

(L) - CT 299

(M) - BA 112, MATH 095

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 102, OCSUP 101, PSY 101, PSY 111

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Certificates

Certificate

Computer Application Integration Certificate

This certificate provides students with a working knowledge of application software used on the microcomputer for personal and professional productivity, business, or other environments.

Year One

| Quarter One | Credits |
|--|----------------|
| BA 102, Customer Service (R)..... | 5 |
| CT 103, Introduction to Computer Technology..... | 5 |
| CT 121, Computer Software Principles..... | 5 |
| MATH 095, Intermediate Algebra (M)..... | 5 |
| Total Credits..... | 20 |

| Quarter Two | Credits |
|---|----------------|
| BA 217, Computer Software Applications..... | 5 |
| CT 130, Structured Problem Solving..... | 5 |
| CT 161, Introduction to Database Design and Theory..... | 5 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 18 |

| Quarter Three | Credits |
|--|----------------|
| CT 150, Visual Basic Programming..... | 5 |
| CT 211, Word Processing Application Development..... | 5 |
| CT 261, SQL and Relational Database Programming..... | 5 |
| Selected Elective*..... | 5 |
| Total Credits..... | 20 |
| Year One Total..... | 58 |
| Grand Total..... | 58 |

EPC: 518C

* Selected Electives (10 credits of the following):

Accounting: ACCT 201, ACCT 115

Business: BA 101, BA 187, BA 197, BA 210

Digital Media: DIT 101, DIT 110, DIT 221

Networking: CT 147, CT 294

Programming: CT 131, DIT 220

Tech Support: CT 190, CT 243, CT 245

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - DIT 191, OCSUP 103, PSY 140

(W) - BA 137, ENG 101, WRITE 100

(L) - CT 299

(M) - BA 112, MATH 095

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 102, OCSUP 101, PSY 101, PSY 111

| | |
|-------------------------------|---------------------------|
| (J) - Job Seeking Skills | (L) - Leadership |
| (M) - Computation/Mathematics | (O) - Oral Communications |
| (W) - Written Communications | (R) - Human Relations |

Cosmetology**AAAS**<http://wwcc.edu/cosmetology>

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Department Overview: The Cosmetology program provides the theory and practical application necessary to obtain a Washington State Cosmetologist License or a Washington State Cosmetology Instructor License. The primary objective of the program is to prepare students for employment in all areas of beauty culture. Instruction and practice in the cosmetology course include training for shampooing, scalp and hair analysis, haircutting and trimming, trimming and

removal of facial hair, thermal styling, wet and dry styling, skin care, temporary removal of superfluous hair, first aid, permanent waving, chemical relaxing, hair coloring, bleaching, rinses, make-up application, manicuring, pedicuring, and the styling of artificial hair. The Cosmetology curriculum is guided by the Washington State Cosmetology license requirements and reviewed by an advisory board composed of local and regional industry members.

Mission: Inspiring students to reach their fullest potential in terminal, transfer, and job-related courses of study.

Goals:

- To market, recruit, and retain students in programs within the division.
- Certify programs using industry skill standards.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Cosmetology upon completion of the two-year program of study. This degree prepares students to take the Washington State Board of Cosmetology Licensing Test. Individuals that have a current Washington State Cosmetology License and at least one-year of current work experience in a salon may enter the Instructor-Trainee program.

Industry Description: Cosmetologists, also called hairstylists, provide beauty services, such as shampooing, cutting, coloring, and styling hair. They may advise clients on how to care for their hair, straighten hair or give it a permanent wave, or lighten or darken hair color.

Cosmetology is an exciting people-oriented profession. It is a time-honored yet changing career with excellent career possibilities. The future for cosmetologists includes specialization, travel, teaching, employment as a workshop technician, sales of cosmetic supplies and materials, and management opportunities. Cosmetology can be a rewarding profession for the individual who is hardworking, creative and who enjoys working with people.

Entrance Requirements: Students must have a high school diploma or GED before entering the program. It is recommended that the student contact the lead instructor regarding appropriate program placement and paying a priority list fee to determine specific quarter start in the program. Students may enter the program fall, winter or spring quarter, however, due to course sequencing it is recommended to begin in the fall. Students are advised to consult their physicians as to possible health problems (i.e., allergies, asthma, dermatitis, etc.) before enrolling.

The Instructor-Trainee program requires a current Washington State cosmetology license and one year of current work experience in a salon. The instructor's permission is required for admission into the program.

COSMETOLOGY/CRIMINAL JUSTICE/CORRECTIONS PROFESSIONAL

Scholarships: This scholarship provides for one or more students interested in pursuing a career in the Cosmetology Profession. Awards will vary depending on available funds. Scholarships open to any cosmetology first quarter student, male or female. Must be a graduate from high school or junior status with a minimum of 2.5 GPA. It is not necessary to be a resident of the State of Washington. Must be a full-time cosmetology degree track student (22 credits +). Scholarship must be used at Walla Walla Community College.

Other Information: For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Cosmetology

This technical degree prepares the student for employment in all areas of the cosmetology industry.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Other Information: COSM 281, Cadet Instructor Training is available quarterly. Contact the Cosmetology faculty for additional details.

Year One

| Quarter One | Credits |
|---|-------------|
| COSM 111, Principles and Procedures of Cosmetology I..... | 11 |
| COSM 112, Practical Application I..... | 11 |
| IFA 022, Medic First Aid Basic..... | 4 |
| MATH 049, Mathematics I (M)..... | 5 |
| Total Credits..... | 27.4 |

| Quarter Two | Credits |
|--|-----------|
| COSM 121, Principles and Procedures of Cosmetology II..... | 11 |
| COSM 122, Practical Application II..... | 11 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 25 |

| Quarter Three | Credits |
|---|-----------|
| COSM 131, Intermediate Principles and Procedures I..... | 11 |
| COSM 132, Practical Application III..... | 11 |
| OCSUP 102, Oral Communication in the Workplace (O)..... | 3 |
| Total Credits..... | 25 |

| Quarter Four | Credits |
|--|-------------|
| COSM 270, Practical Application VI..... | 11 |
| OCSUP 299, Principles of Leadership (L)..... | 1 |
| Total Credits..... | 12 |
| Year One Total..... | 89.4 |

Year Two

| Quarter One | Credits |
|--|-----------|
| COSM 241, Intermediate Principles and Procedures II..... | 11 |
| COSM 242, Practical Application IV..... | 11 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| Total Credits..... | 25 |

Quarter Two

| | |
|--|----|
| COSM 251, Advanced Principles and Procedures I..... | 11 |
| COSM 252, Practical Application V..... | 11 |
| HO 110, HIV/AIDS Education..... | 4 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R)..... | 3 |

Total Credits.....25.4-25

Year Two Total.....50.4-50

Grand Total.....139.8-140.1

EPC: 823

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - AGPR 100, OCSUP 103, PSY 140

(W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - OCSUP 299

(M) - BA 112, MATH 049, OCSUP 106

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 157, OCSUP 101, PSY 101, PSY 111

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Criminal Justice / Corrections Professional

AAAS, CERTIFICATE

<http://wwcc.edu/criminaljustice>

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Department Overview: WWCC offers two degree paths for students interested in the Criminal Justice industry:

The Criminal Justice path prepares individuals to enter many careers, i.e., detective, police officer, border patrol agent, probation counselor, juvenile judge, or court clerk. Demands in this field increase as emphasis on homeland security strengthens. This degree track can be utilized by employees for professional development and career advancement.

The Corrections Professional path prepares individuals for entry-level and supervisory position within the corrections field. This curriculum was developed in partnership with a panel of experts from the local, regional and state level corrections industry. Emphasis is placed on specialized communication, observation, and human relations skills required to become successful in the corrections profession.

Mission: The mission of the Social Sciences Division is to provide opportunities for students to better understand individual and group behavior, and develop skills to explore and analyze past and present society and culture.

Goals:

- Prepare students to transfer to four-year institutions.
- Introduce concepts, terminology, and factual evidence of the respective disciplines using appropriate classroom assessment techniques.
- Develop written and oral communication and critical thinking skills that require analysis and synthesis of course content.
- Provide opportunities to better understand the impact of diverse cultures in historical context on individual and group behavior.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Criminal Justice or Corrections Professional, upon completion of the two-year program of study. One-year certificates are also available for each of the above listed AAAS degrees.

Industry Description: Corrections Professionals are responsible for overseeing individuals who have been arrested and are either awaiting trial or have been convicted of a crime and sentenced to serve time in a jail, reformatory, or penitentiary. They maintain security and inmate accountability to prevent disturbances, assaults, or escapes. Officers have no law enforcement responsibilities outside the institution where they work.

The Corrections industry produces a constant demand for trained professionals as prison facilities have expanded nationwide. The industry provides employment with strong benefits packages including retirement, healthcare, and competitive salaries. Current projections indicate there is both a strong need for beginning level employees and strong opportunities for advancement as retirement reduces the ranks of senior officials.

Entrance Requirements: Students may begin their study in these programs in fall, winter or spring quarters. A placement test offered by the Student Development Center must be completed prior to admittance to the program.

Other Information: For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Criminal Justice

This technical degree is designed to serve the needs of persons preparing to enter the field of criminal justice or related areas. It can also be utilized by persons already employed for professional development and career advancement.

Transferability: The AAAS Degree is not designated to be a transfer degree and does not carry the approval of junior standing at baccalaureate institutions as does the Associate in Arts Degree. However, many of the individual courses taken to complete the AAAS Degree are transferable to baccalaureate institutions.

Year One

| Quarter One | Credits |
|--|-----------|
| CJ 101, Introduction to Criminal Justice * | 5 |
| Approved Elective*** | 3 |
| Approved Elective*** | 5 |
| PSY 101, Introduction to Psychology (R) | 5 |
| Total Credits | 18 |

| Quarter Two | Credits |
|---------------------------------------|-----------|
| BIO 110, Survey of Biology ***** | 5 |
| CJ 105, Introduction to Corrections * | 5 |
| CJ 106, Criminology * | 5 |
| Total Credits | 15 |

| Quarter Three | Credits |
|--|-----------|
| Approved Elective*** | 5 |
| ENG 100, Basic Expository Writing (W) | 5 |
| SOC 205, Racial and Ethnic Relations * | 5 |
| SPCH 101, Fundamentals of Speech (O) | 5 |
| Total Credits | 20 |
| Year One Total | 53 |

Year Two

| Quarter One | Credits |
|--|-----------|
| CJ 206, Psychology for Criminal Justice * | 5 |
| CJ 250, Communicating in the Corrections Environment * | 5 |
| Approved Elective*** | 5 |
| HUM 110, Four Perspectives **** | 3 |
| Total Credits | 18 |

| Quarter Two | Credits |
|---------------------------------------|-----------|
| Approved Elective*** | 5 |
| Approved Elective*** | 5 |
| PSY 140, Career and Life Planning (I) | 3 |
| Total Credits | 13 |

| Quarter Three | Credits |
|---|-----------|
| CJ 202, Crime and Delinquency * | 5 |
| LIT 270, Mystery and Spy Novels **** | 3 |
| MATH 049, Mathematics I (M) | 5 |
| OCSUP 299, Principles of Leadership (L) | 1 |
| Total Credits | 14 |
| Year Two Total | 45 |
| Grand Total | 98 |

EPC: 832

* Core Requirements: CJ 101, SOC 205 and 25 credits in any CJ (Criminal Justice) or SOC 204.

*** Approved Electives: A minimum of twenty-eight (28) credits. A AAAS degree candidate will need to complete an additional 28 credits in coursework at Walla Walla Community College or through the training commission (a maximum of 15 credits from the training commission may be applied to this requirement). Suggested electives for this degree may be chosen from any course numbered 100 or above. A recommended emphasis in selecting electives would be credit work in Accounting, Business Administration, Computer Technology, and Criminal Justice.

**** Humanities: A minimum of six credits with at least one course in literature. This includes: ART, HIST 101 to 109, HUM, LIT, FREN, SPAN, MUS, PHIL, THEA and WST 251.

***** Natural Sciences: A minimum of five (5) credits of a lab science which includes: AGPR, ASTR, BIO, CHEM, ESCI, GEOG, GEOL, OCE and PHYS.

CRIMINAL JUSTICE/CORRECTIONS PROFESSIONAL

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - AGPR 100, OCSUP 103, PSY 140

(W) - BA 137, ENG 100, ENG 101, WRITE 100

(L) - BA 192, OCSUP 299, PSCI 125

(M) - BA 112, MATH 049, OCSUP 106, OCSUP 108

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - PSY 101

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Corrections Professional

This technical degree prepares the individual for entry-level or supervisory positions within the corrections field. Graduates can readily promote upward to supervisory positions and mid-management positions.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|---|-----------|
| CJ 101, Introduction to Criminal Justice..... | 5 |
| CT 100, Computer Literacy..... | 5 |
| PSY 101, Introduction to Psychology (R)..... | 5 |
| SPAN 047, Basic Spanish I *..... | 3 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |
| Total Credits..... | 23 |

| Quarter Two | Credits |
|---|-----------|
| CJ 105, Introduction to Corrections | 5 |
| CJ 106, Criminology | 5 |
| SPAN 048, Basic Spanish II * | 3 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 16 |

| Quarter Three | Credits |
|--|-----------|
| CJ 103, Introduction to Criminal Law | 3 |
| Approved Elective** | 3 |
| SOC 205, Racial and Ethnic Relations | 5 |
| SPAN 049, Basic Spanish III *..... | 3 |
| Total Credits..... | 14 |
| Year One Total..... | 53 |

Year Two

| Quarter One | Credits |
|---|-----------|
| CJ 206, Psychology for Criminal Justice..... | 5 |
| CJ 250, Communicating in the Corrections Environment..... | 5 |
| HPER 107, Tone Zone Fitness I..... | 1 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| Total Credits..... | 16 |

| Quarter Two | Credits |
|--|-----------|
| CJ 251, Supervising in the Corrections Environment | 4 |
| Approved Elective** | 5 |
| PSY 140, Career and Life Planning (J) | 3 |
| Total Credits..... | 12 |

Quarter Three

| | Credits |
|--|-----------|
| Approved Elective** | 3 |
| Approved Elective** | 5 |
| Approved Elective** | 5 |
| OCSUP 299, Principles of Leadership (L)..... | 1 |
| Total Credits..... | 14 |
| Year Two Total..... | 42 |
| Grand Total..... | 95 |

EPC: 838

A non-traditional credit opportunity is available for those students who are pursuing an AAAS Degree. A student may receive up to a maximum of 15 elective credits toward an AAAS Degree by successfully completing the Washington State Corrections Officers Academy.

* Bilingual students may substitute 9 elective credits for the Basic Spanish requirements. Advanced level Spanish coursework may be identified for substitution with advisor approval.

** Approved Electives:

For a two-year degree a student will need a total of 21 elective credits. At least 5 credits have to be from the following: PSY 205, SOC 101, SOC 201, SOC 204, CJ 202, CJ 204, CJ 210. The remaining 16 credits can be any 100 or 200 level Sociology (SOC), Psychology (PSY), Cooperative Work Experience or Criminal Justice (CJ) course not required for the degree will be accepted.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - AGPR 100, BA 292, OCSUP 103, PSY 140

(W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - BA 192, OCSUP 299, PSCI 125

(M) - BA 112, MATH 049, OCSUP 106

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 157, OCSUP 101, PSY 101, PSY 111, WMGT 192, WMGT 292

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Certificates

Certificate

Criminal Justice Certificate

This certificate is equivalent to the first year of the AAAS Degree in Criminal Justice.

Year One

| Quarter One | Credits |
|--|-----------|
| CJ 101, Introduction to Criminal Justice * | 5 |
| Approved Elective*** | 3 |
| Approved Elective*** | 5 |
| PSY 101, Introduction to Psychology (R)..... | 5 |
| Total Credits..... | 18 |

| Quarter Two | Credits |
|---|-----------|
| BIO 110, Survey of Biology ***** | 5 |
| CJ 105, Introduction to Corrections * | 5 |
| CJ 106, Criminology * | 5 |
| Total Credits..... | 15 |

Quarter Three

| | |
|--|-----------|
| Approved Elective*** | 5 |
| ENG 100, Basic Expository Writing (W) | 5 |
| SOC 205, Racial and Ethnic Relations * | 5 |
| SPCH 101, Fundamentals of Speech (O) | 5 |
| Total Credits | 20 |
| Year One Total | 53 |
| Grand Total | 53 |

EPC: 832C

* Core Requirements: CJ 101, SOC 205 and 25 credits in any CJ (Criminal Justice) or SOC 204.

*** Approved Electives: A minimum of twenty-eight (28) credits. A AAAS degree candidate will need to complete an additional 28 credits in coursework at Walla Walla Community College or through the training commission (a maximum of 15 credits from the training commission may be applied to this requirement). Suggested electives for this degree may be chosen from any course numbered 100 or above. A recommended emphasis in selecting electives would be credit work in Accounting, Business Administration, Computer Technology, and Criminal Justice.

**** Humanities: A minimum of six credits with at least one course in literature. This includes: ART, HIST 101 to 109, HUM, LIT, FREN, SPAN, MUS, PHIL, THEA and WST 251.

***** Natural Sciences: A minimum of five (5) credits of a lab science which includes: AGPR, ASTR, BIO, CHEM, ESCI, GEOG, GEOL, OCE and PHYS.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

- (J) - AGPR 100, OCSUP 103, PSY 140
 (W) - BA 137, ENG 100, ENG 101, WRITE 100
 (L) - BA 192, OCSUP 299, PSCI 125
 (M) - BA 112, MATH 049, OCSUP 106, OCSUP 108
 (O) - OCSUP 102, SPCH 101, SPCH 102
 (R) - PSY 101

Certificates

Certificate

Corrections Professional Certificate

This certificate is equivalent to the first year of the AAAS Degree in Corrections Professional.

Year One

| | |
|--|----------------|
| Quarter One | Credits |
| CJ 101, Introduction to Criminal Justice | 5 |
| CT 100, Computer Literacy | 5 |
| PSY 101, Introduction to Psychology (R) | 5 |
| SPAN 047, Basic Spanish I * | 3 |
| SPCH 101, Fundamentals of Speech (O) | 5 |
| Total Credits | 23 |

| | |
|-------------------------------------|----------------|
| Quarter Two | Credits |
| CJ 105, Introduction to Corrections | 5 |
| CJ 106, Criminology | 5 |
| SPAN 048, Basic Spanish II * | 3 |
| WRITE 100, Applied Writing (W) | 3 |
| Total Credits | 16 |

| | |
|--------------------------------------|----------------|
| Quarter Three | Credits |
| CJ 103, Introduction to Criminal Law | 3 |
| Approved Elective** | 3 |
| SOC 205, Racial and Ethnic Relations | 5 |
| SPAN 049, Basic Spanish III * | 3 |
| Total Credits | 14 |
| Year One Total | 53 |
| Grand Total | 53 |

EPC: 838C

* Bilingual students may substitute 9 elective credits for the Basic Spanish requirements. Advanced level Spanish coursework may be identified for substitution with advisor approval.

** Approved Electives:

For a two-year degree a student will need a total of 21 elective credits. At least 5 credits have to be from the following: PSY 205, SOC 101, SOC 201, SOC 204, CJ 202, CJ 204, CJ 210. The remaining 16 credits can be any 100 or 200 level Sociology (SOC), Psychology (PSY), Cooperative Work Experience or Criminal Justice (CJ) course not required for the degree will be accepted.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

- (J) - AGPR 100, BA 292, OCSUP 103, PSY 140
 (W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110
 (L) - BA 192, OCSUP 299, PSCI 125
 (M) - BA 112, MATH 049, OCSUP 106
 (O) - OCSUP 102, SPCH 101, SPCH 102
 (R) - BA 157, OCSUP 101, PSY 101, PSY 111, WMGT 192, WMGT 292

- | | |
|-------------------------------|---------------------------|
| (J) - Job Seeking Skills | (L) - Leadership |
| (M) - Computation/Mathematics | (O) - Oral Communications |
| (W) - Written Communications | (R) - Human Relations |

Culinary Arts

AAAS, CERTIFICATE

http: //wwcc.edu/culinaryarts

| | | |
|--------------|--------------|-----------------------|
| Steve Walk | 509.524.5173 | steven.walk@wwcc.edu |
| Jay Entrikin | 509.527.4272 | jay.entrikin@wwcc.edu |

Department Overview: Culinary Arts is designed to prepare students for success in the food service and hospitality industry by incorporating extensive hands-on instruction and internship components with a rigorous classroom curriculum. Small class sizes, first rate cooking facilities, and exposure to many suppliers and producers assure the student a well-rounded educational experience. The Culinary Arts curriculum is reviewed by an advisory board composed of local and regional industry members.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Culinary Arts upon completion of the two-year program of study. A Culinary Arts Certificate, is available upon completion of the first year of study in the program.

Industry Description: The Food Service and Hospitality industry provides for the largest segment of private employers in the country and offers varied career opportunities for those with a passion for cooking. The culinary arts segment of the industry provides opportunities for careers as a cook, chef, bartender, server, restaurant manager, food and beverage director, baker, pastry chef or caterer.

CULINARY ARTS

Entrance Requirements: It is recommended that the student contact the lead instructor regarding appropriate program placement and paying a priority list fee to determine specific quarter start in the program. Students may enter the program fall, winter or spring quarter, however, due to course sequencing it is recommended to begin in the fall. A placement test offered by the Student Development Center must be completed prior to admittance to the program. It is mandatory that students possess a current state of Washington Health Card.

Other Information: For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Culinary Arts

This technical degree prepares the student for success in the food service and hospitality industries. It can be utilized by individuals planning to enter their chosen career upon graduation or for the individual who is interested in improving current skills and knowledge.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|--|-----------|
| CUL 100, ServSafe..... | 2 |
| CUL 101, Introduction to Professional Cooking..... | 5 |
| CUL 104, Service Management | 3 |
| CUL 107, Culinary Measurements and Calculations (M)..... | 5 |
| CUL 111, Basic Culinary Principles..... | 3 |
| SPCH 102, Oral Communications and Interpersonal Relationships (O)..... | 3 |
| Total Credits..... | 21 |

| Quarter Two | Credits |
|--|-------------|
| AGPR 116, Meat Science I | 5 |
| CUL 102, Skill Development I..... | 15 |
| CUL 108, Nutrition for Culinary Arts | 3 |
| IFA 022, Medic First Aid Basic..... | 4 |
| Total Credits..... | 23.4 |

| Quarter Three | Credits |
|--|-------------|
| BA 157, Human Relations in Business (R)..... | 5 |
| CUL 103, Skill Development II..... | 15 |
| CUL 190, Culinary Practical I..... | 1 |
| OCSUP 299, Principles of Leadership (L)..... | 1 |
| Total Credits..... | 22 |
| Year One Total..... | 66.4 |

Year Two

| Quarter One | Credits |
|--|-----------|
| CUL 202, Professional Cooking I..... | 12 |
| CUL 206, Restaurant Law | 3 |
| EV 100, Orientation to the Wine Industry | 1 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 19 |

| Quarter Two | Credits |
|--|-----------|
| CUL 191, Culinary Internship..... | 3 |
| CUL 192, Culinary Seminar..... | 1 |
| CUL 203, Professional Cooking II..... | 12 |
| CUL 207, Menu Development..... | 3 |
| CUL 290, Culinary Practical II..... | 1 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| Total Credits..... | 23 |

| Quarter Three | Credits |
|--|--------------------|
| CUL 291, Cooperative Work Experience | 1 - 15 |
| CUL 292, Cooperative Seminar | 1 |
| Total Credits..... | 2-16 |
| Year Two Total..... | 44-58 |
| Grand Total..... | 110.4-124.4 |

EPC: 850

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - OCSUP 103, PSY 140

(W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - OCSUP 299

(M) - CUL 107

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 157, OCSUP 101, PSY 101

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Certificates

Certificate

Culinary Arts Certificate

This certificate is equivalent to the first year of the AAAS Degree in Culinary Arts.

Year One

| Quarter One | Credits |
|--|-----------|
| CUL 100, ServSafe..... | 2 |
| CUL 101, Introduction to Professional Cooking..... | 5 |
| CUL 104, Service Management | 3 |
| CUL 107, Culinary Measurements and Calculations (M)..... | 5 |
| CUL 111, Basic Culinary Principles | 3 |
| SPCH 102, Oral Communications and Interpersonal Relationships (O)..... | 3 |
| Total Credits..... | 21 |

| Quarter Two | Credits |
|--|-------------|
| AGPR 116, Meat Science I | 5 |
| CUL 102, Skill Development I..... | 15 |
| CUL 108, Nutrition for Culinary Arts | 3 |
| IFA 022, Medic First Aid Basic..... | 4 |
| Total Credits..... | 23.4 |

| Quarter Three | Credits |
|--|-------------|
| BA 157, Human Relations in Business (R)..... | 5 |
| CUL 103, Skill Development II..... | 15 |
| CUL 190, Culinary Practical I..... | 1 |
| OCSUP 299, Principles of Leadership (L)..... | 1 |
| Total Credits..... | 22 |
| Year One Total..... | 66.4 |

Grand Total..... 66.4

EPC: 850C

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - OCSUP 103, PSY 140

(W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - OCSUP 299

(M) - CUL 107

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 157, OCSUP 101, PSY 101

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Dance

<http://wwcc.edu/dance>

Sara Rees

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Sylvia Bushman

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Department Overview: The Dance Department includes a wide range of activity courses that emphasize dance techniques and styles for students at beginning through experienced levels. In addition, the program provides a progression of studies in dance that includes choreography and dance for production. Experienced dancers may audition for acceptance as members of the award-winning WWCC dance teams.

Mission: The mission of the Physical Education and Recreation Division is to provide knowledge that encourages positive lifestyle practices, attitudes and values. The division is committed to promoting continual self-assessment and personal growth to enrich the quality of life.

Goals:

- Diverse Offerings - create a balance between lifetime activity and team sport opportunities.
- Attractive Offerings - Create and modify courses to meet student interest. We want students to take our courses even after they have satisfied the PE requirement for graduation.
- Incorporate "Lifelong Learning" as the primary core ability in all HPER courses.

Degrees: Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at Walla Walla Community College in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general

education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Preparation for Success: Because of the strenuous and time-consuming training required, some dancers view formal education as secondary. However, a broad, general education including music, literature, history, and the visual arts is helpful in the interpretation of dramatic episodes, ideas, and feelings. Dancers sometimes conduct research to learn more about the part they are playing.

Career Opportunities: A college education is not essential to obtaining employment as a professional dancer; however, many dancers obtain degrees in unrelated fields to prepare themselves for careers after dance. The completion of a college program in dance and education is essential to qualify to teach dance in college, high school, or elementary school. Colleges and conservatories sometimes require graduate degrees but may accept performance experience. A college background is not necessary, however, for teaching dance or choreography in local recreational programs. Studio schools prefer teachers to have experience as performers.

Diesel Equipment Mechanics

AAAS, CERTIFICATE

<http://wwcc.edu/diesealequipment>

Dave Bailey

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Department Overview: Diesel Equipment Mechanics provides a hands-on, work-based training experience and the classroom curriculum required for careers in diagnosing and repairing heavy-duty trucks, heavy equipment, medium-duty vehicles, agricultural equipment, logging equipment, forklifts, and mining equipment. Diesel Equipment Mechanics integrates the many components necessary to prepare students with the technical knowledge and mechanical skills required to service, repair, and test various types of machinery. An extensive curriculum prepares students to apply knowledge and skills to a wide range of diesel powered equipment applications. Diesel Equipment Mechanics curriculum is reviewed by an advisory board composed of local and regional industry members.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Diesel Equipment Mechanics, upon completion of a two-year program of study. A Diesel Equipment Mechanics Certificate, is available upon completion of the first year of study in the program.

Industry Description: Diesel service technicians and mechanics, also known as bus and truck mechanics and diesel engine specialists, repair and maintain the diesel engines that power transportation equipment such as heavy trucks, buses, bulldozers, cranes, road graders, farm tractors,

DIESEL EQUIPMENT MECHANICS

and combines. Diesel maintenance is becoming increasingly complex, as more electronic components are used to control the operation of an engine. Technicians who work for organizations that maintain their own vehicles spend most of their time doing preventive maintenance to ensure that equipment will operate safely.

Entrance Requirements: It is recommended that the student contact the lead instructor regarding appropriate program placement and paying a priority list fee to determine specific quarter start in the program. Students may enter the program fall, winter or spring quarter, however, due to course sequencing it is recommended to begin in the fall. A placement test and mechanical reasoning test offered by the Student Development Center must be completed prior to admittance to the program.

Other Information: Students under the age of 18 and/or without a high school diploma or GED require instructor permission to enroll in Diesel Technology courses.

For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Diesel Equipment Mechanics

This technical degree prepares the student with the wide range of knowledge and skills applicable to diesel powered equipment applications and will be ready to join the diesel mechanics industry. This program is also designed to aid the individual who is interested in improving their diesel mechanics skills.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|--|-----------|
| DT 151, Shop Fundamentals and Preventative Maintenance | 8 |
| DT 181, Engines..... | 14 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| WELD 141, Welding Basics * | 4 |
| Total Credits..... | 31 |

| Quarter Two | Credits |
|--|-----------|
| DT 162, Machinery Repair I | 11 |
| DT 185, Power Trains..... | 8 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R)..... | 3 |
| OCSUP 102, Oral Communication in the Workplace (O)..... | 3 |
| Total Credits..... | 25 |

| Quarter Three | Credits |
|---|-----------|
| DT 163, Machinery Repair II | 8 |
| DT 183, Electricity and Air Conditioning..... | 10 |
| Total Credits..... | 18 |
| Year One Total..... | 74 |

Year Two

| Quarter One | Credits |
|--|-----------|
| DT 184, Hydraulics and Brakes | 8 |
| DT 266, Advanced Equipment Repair I..... | 10 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 21 |

| Quarter Two | Credits |
|---|-----------|
| DT 182, Diesel Fuel Systems | 8 |
| DT 267, Advanced Equipment Repair II..... | 10 |
| DT 299, Leadership (L) | 1 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| Total Credits..... | 22 |

| Quarter Three | Credits |
|---|----------------|
| DT 191, Cooperative Work Experience** | 10 - 15 |
| Total Credits..... | 10-15 |
| Year Two Total..... | 53-58 |
| Grand Total..... | 127-132 |

EPC: 125

* Any welding course 141 or above will satisfy the welding requirement.

** DT 191, Cooperative Work Experience may be taken over several quarters. A minimum of 300 hours (10 credits) actual on-the-job mechanical experience is required. Students must have at least 800 hours of actual shop experience to meet the requirements for graduation. At least 600 hours must be on-campus shop experience.

*** DT 186 Advanced Mechanics and DT 268 Equipment Repair III may be substituted for Cooperative Work Experience with instructor permission.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - AGPR 100, OCSUP 103

(W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - DT 299

(M) - BA 112, MATH 049, OCSUP 106, OCSUP 108

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 157, OCSUP 101, PSY 101, PSY 111, WMGT 192, WMGT 292

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Certificates

Certificate

Diesel Technology Certificate

This certificate is equivalent to the first year of the AAAS Degree in Diesel Equipment Mechanics.

Year One

| Quarter One | Credits |
|--|-----------|
| DT 151, Shop Fundamentals and Preventative Maintenance | 8 |
| DT 181, Engines..... | 14 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| WELD 141, Welding Basics * | 4 |
| Total Credits..... | 31 |

| Quarter Two | Credits |
|--|-----------|
| DT 162, Machinery Repair I | 11 |
| DT 185, Power Trains..... | 8 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R)..... | 3 |
| OCSUP 102, Oral Communication in the Workplace (O)..... | 3 |
| Total Credits..... | 25 |

Quarter Three

| | |
|--|-----------|
| DT 163, Machinery Repair II | 8 |
| DT 183, Electricity and Air Conditioning | 10 |
| Total Credits..... | 18 |
| Year One Total..... | 74 |
| Grand Total..... | 74 |

EPC: 775C

* Any welding course 141 or above will satisfy the welding requirement.

** DT 191, Cooperative Work Experience may be taken over several quarters. A minimum of 300 hours (10 credits) actual on-the-job mechanical experience is required. Students must have at least 800 hours of actual shop experience to meet the requirements for graduation. At least 600 hours must be on-campus shop experience.

*** DT 186 Advanced Mechanics and DT 268 Equipment Repair III may be substituted for Cooperative Work Experience with instructor permission.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - AGPR 100, OCSUP 103

(W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - DT 299

(M) - BA 112, MATH 049, OCSUP 106, OCSUP 108

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 157, OCSUP 101, PSY 101, PSY 111, WMGT 192, WMGT 292

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Digital Imaging Technology

AAAS, CERTIFICATE

<http://wwcc.edu/digitalimaging>

| | | |
|---------------|--------------|-------------------------|
| Susan Quinn | 509.527.4232 | susan.quinn@wwcc.edu |
| Dan Biagi | 509.527.4235 | daniel.biagi@wwcc.edu |
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Department Overview: Digital Imaging Technology offers courses in the technology and skill areas needed for employment in the fields of web design and management and digital publishing for printed media as well as for the web. The emphasis for web technology is on a complete package of skills required for a successful career in Web Technology, such as artistic design and layout for websites, E-commerce, advertising, computer graphics, and website management. Program curriculum and relevance are guided by national and state skill standard setting bodies and reviewed an advisory board composed of local and regional industry members.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Web Technology upon completion of the two-year program of study. A Web Technology Certificate is also available.

Industry Description: Digital Imaging is a term with a variety of meanings and creates a need for versatile skills in the workforce. A generally accepted industry description

includes the presentation of computer applications that may be interactive, and incorporates media elements such as text, graphics, and video with tools allowing the user to navigate, interact, create and communicate. Consequently this field of study has many and varied job opportunities.

Entrance Requirements: Students may enter the program fall, winter or spring quarter, however, due to course sequencing it is recommended to begin in the fall. A placement test offered by the Student Development Center must be completed prior to admittance to the program.

Other Information: Students transferring into the Digital Imaging Technology program from another institution should have their transcripts evaluated by an advisor at WWCC to determine which courses apply toward the business degree(s). Before entering the program all students need to secure and advisor within the Digital Imaging Technology Department and become familiar with the degree requirements.

For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Web Technology

This technical degree prepares the student for entry-level employment in the fields of digital publishing for printed media and for the web.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|--|-----------|
| CT 121, Computer Software Principles | 5 |
| DIT 101, Digital Imaging Foundations..... | 5 |
| DIT 125, Macintosh Operating System | 5 |
| Total Credits..... | 15 |

| Quarter Two | Credits |
|---|-----------|
| DIT 110, Computer Graphics | 5 |
| DIT 221, Web Authoring..... | 5 |
| ART 104, Design I (Black and White) or ART 105, Design II (Color) | 4 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |
| Total Credits..... | 19 |

| Quarter Three | Credits |
|---|-----------|
| BA 137, Business Communications II (W)..... | 5 |
| CT 125, Internet Technologies..... | 5 |
| CT 299, Leadership (L)..... | 1 |
| DIT 112, Computer Illustration..... | 5 |
| Total Credits..... | 16 |
| Year One Total..... | 50 |

DIESEL EQUIPMENT MECHANICS/EARLY CHILDHOOD EDUCATION

Year Two

Quarter One

Credits

| | |
|---------------------------------------|---|
| BA 102, Customer Service (R)..... | 5 |
| BA 112, Business Mathematics (M)..... | 5 |
| DIT 120, Multimedia Authoring..... | 5 |
| DIT 220, JAVA Programming..... | 5 |

Total Credits.....20

Quarter Two

Credits

| | |
|--|---|
| CT 161, Introduction to Database Design and Theory | 5 |
| DIT 222, Advanced Web Design | 5 |
| DIT 260, Digital Video and Streaming..... | 5 |

Total Credits.....15

Quarter Three

Credits

| | |
|---|---|
| BA 197, Electronic Commerce: A Business Perspective | 5 |
| DIT 191, Cooperative Work Experience (J) | 2 |
| DIT 200, Desktop Publishing..... | 5 |
| DIT 223, Webserver Management..... | 5 |
| DIT 254, Digital Imaging Portfolio..... | 5 |

Total Credits.....22

Year Two Total.....57

Grand Total.....107

EPC: 507

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - DIT 191

(W) - BA 137, ENG 101, WRITE 110

(L) - CT 299

(M) - BA 112, MATH 065

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 102, BA 157

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Certificates

Certificate

Web Technology Certificate

This certificate provides the basic knowledge in the fields of digital publishing for printed media and for the web.

Year One

Quarter One

Credits

| | |
|---|---|
| BA 197, Electronic Commerce: A Business Perspective | 5 |
| CT 121, Computer Software Principles | 5 |
| DIT 101, Digital Imaging Foundations..... | 5 |

Total Credits.....15

Quarter Two

Credits

| | |
|---|---|
| DIT 110, Computer Graphics | 5 |
| DIT 221, Web Authoring..... | 5 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |

Total Credits.....15

Quarter Three

Credits

| | |
|--------------------------------------|---|
| BA 102, Customer Service (R)..... | 5 |
| CT 125, Internet Technologies..... | 5 |
| DIT 112, Computer Illustration | 5 |

DIT 200, Desktop Publishing.....5

DIT 254, Digital Imaging Portfolio.....5

MATH 065, Introductory Algebra (M).....5

Total Credits.....30

Year One Total.....60

Grand Total.....60

EPC: 507C

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(M) - BA 112, MATH 065

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 102, BA 157

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Early Childhood Education

AAAS, CERTIFICATE

<http://wwcc.edu/earlychildhood>

Melinda Brennan

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Department Overview: Early Childhood Education prepares students to enter the early learning field as highly skilled caregivers or early learning professionals who can immediately contribute to the rapid social, emotional, physical and intellectual growth of a child. The Early Childhood Education curriculum promotes the learning and development of children in early care and educational settings, as well as providing opportunities for the ongoing professional development of caregivers. Students have the opportunity to apply newly acquired skills and knowledge to actual scenarios by participating in cooperative work experiences. Certified teachers may apply specific courses towards continuing education credits. In an effort to accommodate currently employed and parent students, Early Childhood Education courses are generally offered in late afternoon or evenings. Program curriculum is reviewed by an advisory board composed of local and regional early learning professionals.

Mission: The mission of the Early Childhood Education program is to provide educational and training opportunities to a diverse population of students whose goal is to work with children and their families in programs providing care and early education.

Goals:

- Implement competency-based education, skill standards, and certification in program curricula.
- Create and maintain a division marketing plan.
- Provide and maintain a model learning environment.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Early Childhood Education upon completion of the two-year program of study. This degree allows graduates the flexibility to either enter the workforce or transfer to Washington State University through a direct transfer agreement which enables a student to complete a Bachelor of Arts Degree in Human Development. This degree can be completed by distance learning. A Certificate in Early Childhood Education is available upon completion of one year of the program.

Industry Description: As the number of parents working outside the home increases, the need for quality childcare continues to grow both locally and nationally. Education and training has been identified as one of the key factors to decrease the current rate of staff turnover in childcare settings. Early childhood educators work with children from birth to age eight in childcare and early learning settings.

Entrance Requirements: Students may begin their study in these programs in fall, winter or spring quarters. A placement test offered by the Student Development Center must be completed prior to admittance to the program.

WSP criminal background check is required to enroll in the program. READ 088 is the minimum level required to enroll in ECE and ED courses above 100 level. Some courses also require permission of the faculty advisor to enroll.

Other Information: Early Childhood Education coursework is typically offered in late afternoon, evenings and on weekends to accommodate students who are working. Summer courses may be available upon request. WAOL courses are available every quarter.

WWCC Childcare Resource and Referral Office is also a part of this department. For information on childcare placement, please call 1.877.527.4333 or 509.527.4333.

For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Early Childhood Education

This technical degree prepares the student for immediate careers as early childhood educators, paraeducators, preschool teachers, and child care professionals. It can be utilized by individuals planning to enter their chosen career upon graduation or for the individual who is interested in improving current skills and knowledge.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

Quarter One

| | Credits |
|--|-----------|
| ECE 101, Introduction to Early Childhood Education | 3 |
| ECE 141, Child Development | 3 |
| ECE 160, Instructional Strategies Special Needs Children | 3 |
| ECE 170, Guiding Behavior of Young Children..... | 3 |
| ECE 144, Early Childhood Education Seminar*..... | 1 |
| Total Credits..... | 13 |

Quarter Two

| | Credits |
|---|-----------|
| ECE 133, Music and Art for Early Educators..... | 3 |
| ECE 137, Language Development and Literacy..... | 3 |
| ECE 261, Current Issues and Trends in Education | 3 |
| ECE 144, Early Childhood Education Seminar*..... | 1 |
| ECE 191, Cooperative Work Experience**** | 3 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |
| Total Credits..... | 18 |

Quarter Three

| | Credits |
|---|-----------|
| ECE 136, Environments for Young Children | 3 |
| ECE 139, Teaching Young Children I *** | 3 |
| ECE 155, Introduction to Exceptional Children | 3 |
| ECE 144, Early Childhood Education Seminar*..... | 1 |
| ENG 100, Basic Expository Writing (W)..... | 5 |
| OCSUP 299, Principles of Leadership (L)..... | 1 |
| Total Credits..... | 16 |
| Year One Total..... | 47 |

Year Two

Quarter One

| | Credits |
|--|-----------|
| ECE 232, Children's Literature | 3 |
| ECE 242, Growth, Development and Guidance for School Ageds | 3 |
| ECE 255, Children at Risk..... | 3 |
| ED 265, Instructional Strategies English as a Second Language..... | 3 |
| MATH 065, Introductory Algebra (M) | 5 |
| Total Credits..... | 17 |

Quarter Two

| | Credits |
|---|-----------|
| ECE 175, Observation and Recording Behavior | 3 |
| ECE 236, Motor Development and Movement Education | 3 |
| ECE 144, Early Childhood Education Seminar*..... | 1 |
| ECE 234, Child Nutrition, Health and Safety or ED 285, Legal, Safety and Health Issues..... | 3 |
| ECE 291, Cooperative Work Experience II**** | 3 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| Total Credits..... | 16 |

Quarter Three

| | Credits |
|---|-----------|
| ECE 231, Curriculum Development..... | 3 |
| ECE 239, Teaching Young Children II *** | 3 |
| ECE 240, Programs for Infants and Toddlers..... | 3 |
| PSY 101, Introduction to Psychology (R)..... | 5 |
| Total Credits..... | 14 |
| Year Two Total..... | 47 |
| Grand Total..... | 94 |

EPC: 402

A certificate is available upon completion of 36 ECE credits and 9 credits of related instruction.

* A maximum of 4 credits of ECE 144 is allowed. ECE 144, Seminar may be substituted for ECE 148, Introduction to Childcare.

** Students must complete at least one quarter of ECE 191 or ECE 291 before enrolling in practicum course.

*** A minimum of 3 credits ECE 139 or ECE 239 is required to complete a certificate.

**** 3 credits of Cooperative Work Experience are required for the certificate and 6 credits of Cooperative Work Experience are required for the degree.

EARLY CHILDHOOD EDUCATION/ECONOMICS

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - OCSUP 103, PSY 140

(W) - ENG 100

(L) - ECE 299, OCSUP 299

(M) - MATH 065

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 157, OCSUP 101, PSY 101, PSY 111

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Certificates

Certificate

Early Childhood Education Certificate

This certificate is equivalent to one year of the AAAS Degree in Early Childhood Education.

Year One

Quarter One

Credits

ECE 101, Introduction to Early Childhood Education 3

ECE 141, Child Development 3

ECE 160, Instructional Strategies Special Needs Children 3

ECE 170, Guiding Behavior of Young Children 3

ECE 144, Early Childhood Education Seminar* 1

Total Credits..... 13

Quarter Two

Credits

ECE 133, Music and Art for Early Educators 3

ECE 137, Language Development and Literacy 3

ECE 261, Current Issues and Trends in Education 3

ECE 144, Early Childhood Education Seminar* 1

ECE 191, Cooperative Work Experience*** 3

SPCH 101, Fundamentals of Speech (O) 5

Total Credits..... 18

Quarter Three

Credits

ECE 136, Environments for Young Children 3

ECE 139, Teaching Young Children I *** 3

ECE 155, Introduction to Exceptional Children 3

ECE 144, Early Childhood Education Seminar* 1

ENG 100, Basic Expository Writing (W) 5

OCSUP 299, Principles of Leadership (L) 1

Total Credits..... 16

Year One Total..... 47

Grand Total..... 47

EPC: 402C

* A maximum of 4 credits of ECE 144 is allowed. ECE 144, Seminar may be substituted for ECE 148, Introduction to Childcare.

** Students must complete at least one quarter of ECE 191 or ECE 291 before enrolling in practicum course.

*** A minimum of 3 credits ECE 139 or ECE 239 is required to complete a certificate.

**** 3 credits of Cooperative Work Experience are required for the certificate and 6 credits of Cooperative Work Experience are required for the degree.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - OCSUP 103, PSY 140

(W) - ENG 100

(L) - ECE 299, OCSUP 299

(M) - MATH 065

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 157, OCSUP 101, PSY 101, PSY 111

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Economics

<http://wwcc.edu/economics>

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Department Overview: Economics is the study of how people and society make choices and exchange with others based on these choices. The study of economics provides insights into practical problems and solutions such as, unemployment, business cycles, inflation, business decisions and consumer choice. Economics looks at the consumer behavior, business behavior and the workings of markets. The study of economics is required for many undergraduate degrees.

Mission: The mission of the Social Sciences Division is to provide opportunities for students to better understand individual and group behavior, and develop skills to explore and analyze past and present society and culture.

Goals:

- Prepare students to transfer to four-year institutions.
- Introduce concepts, terminology, and factual evidence of the respective disciplines using appropriate classroom assessment techniques.
- Develop written and oral communication and critical thinking skills that require analysis and synthesis of course content.
- Provide opportunities to better understand the impact of diverse cultures in historical context on individual and group behavior.

Degrees: Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at Walla Walla Community College in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses

numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Preparation for Success: A major in Economics is strengthened by studies in mathematics and computer programming. The ability to utilize computers for research purposes is mandatory in most disciplines.

Career Opportunities: A major in economics is useful preparation for various careers because it develops analytical skills that can be used in many ways. Rising demand for economists stem from the growing complexity of the global economy, competition and increased reliance on quantitative methods for analyzing and forecasting business, sales, and other economic trends. People holding degrees in economics are increasingly recruited for positions of responsibility and authority in government, business and industry. Careers as a professional economist generally require graduate training. A greater need for economic analysis in virtually every industry should result in additional jobs for those trained in economics.

Education Paraprofessional

AAAS, CERTIFICATE

<http://wwcc.edu/education>

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Department Overview: Education Paraprofessional prepares students to enter the workforce as highly skilled paraeducators to fill an ever-expanding need in today's educational arena. Content complies with all requirements of "No Child Left Behind" legislation. The Education Paraprofessional curriculum is reviewed by an advisory board composed of local and regional educators.

Mission: The mission of the Education Paraprofessional Program is to provide educational and training opportunities to a diverse population of students whose goal is to work with children and their families in programs providing care and early education.

Goals:

- Implement competency-based education, skill standards, and certification in program curricula.
- Create and maintain a division marketing plan.
- Provide and maintain a model learning environment.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Education Paraprofessional upon completion of the two-year program of study. A Education Paraprofessional Certificate is available upon completion of one year of the program.

Industry Description: Paraprofessionals are assistants in classroom settings who provide instructional support for pre K-12 classroom teachers. In recent years, there has been a significant increase in the number of paraeducators in the educational system as well as a shift in their roles and responsibilities. By providing students with individualized attention, teacher assistants tutor and assist children in learning course material. Teacher assistants also supervise students in the cafeteria and playground. They record grades, set up equipment, and help prepare materials for instruction. Teacher assistants also are called teacher aides, instructional aides, paraeducators, or paraprofessionals. The new federal legislation, "No Child Left Behind", requires newly hired paraeducators to complete two years of college, an Associates Degree, or to pass a rigorous test.

Entrance Requirements: Students may begin their study in these programs in fall, winter or spring quarters. A placement test offered by the Student Development Center must be completed prior to admittance to the program.

WSP criminal background check is required to enroll in the program. READ 088 is the minimum level required to enroll in ECE and ED courses above 100 level. Some courses also require permission of the faculty advisor to enroll.

Other Information: State of Washington core competencies are included in Education Paraprofessional coursework. The Education Paraprofessional coursework is typically offered in late afternoon, evenings and on weekends to accommodate students who are working.

WWCC Childcare Resource and Referral Office is also a part of this department. For information on childcare placement, please call 1.877.527.4333 or 509.527.4333.

For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Education Paraprofessional

This technical degree prepares the student for employment as early childhood educators, paraeducators, preschool teachers, and child care professionals. It can be utilized by individuals planning to enter their chosen career upon graduation or for the individual who is interested in improving current skills and knowledge.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

EDUCATION PARAPROFESSIONAL

Year One

| Quarter One | Credits |
|---|-----------|
| ED 141, Child Development..... | 3 |
| ED 160, Instructional Strategies Special Needs Students | 3 |
| ED 170, Guiding Behavior of Young Children | 3 |
| ECE 144, Early Childhood Education Seminar* | 1 |
| ENG 100, Basic Expository Writing (W)..... | 5 |
| Total Credits..... | 15 |

| Quarter Two | Credits |
|---|-----------|
| ED 133, Music and Art for Educators | 3 |
| ED 137, Language Development and Literacy | 3 |
| ED 261, Current Issues and Trends in Education..... | 3 |
| ED 191, Cooperative Work Experience**** | 3 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |
| Total Credits..... | 17 |

| Quarter Three | Credits |
|--|-----------|
| ED 110, Introduction to Education..... | 3 |
| ED 155, Introduction to Exceptional Students | 3 |
| ED 200, Practicum I: Teaching Young Children *** | 3 |
| OCSUP 299, Principles of Leadership (L)..... | 1 |
| PSY 101, Introduction to Psychology (R)..... | 5 |
| Total Credits..... | 15 |
| Year One Total..... | 47 |

Year Two

| Quarter One | Credits |
|---|-----------|
| CT 100, Computer Literacy..... | 5 |
| ECE 242, Growth, Development and Guidance for School Ageds | 3 |
| ECE 255, Children at Risk | 3 |
| ED 232, Children's Literature for Educators | 3 |
| ED 265, Instructional Strategies English as a Second Language | 3 |
| Total Credits..... | 17 |

| Quarter Two | Credits |
|---|-----------|
| ED 175, Educational Assessment, Observation and Recordkeeping | 3 |
| ED 236, Motor Development and Movement Education..... | 3 |
| ED 285, Legal, Safety, and Health Issues | 3 |
| ED 291, Cooperative Work Experience II**** | 3 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| Total Credits..... | 15 |

| Quarter Three | Credits |
|---|-----------|
| ED 110, Introduction to Education..... | 3 |
| ED 210, Practicum II: Teaching Young Children *** | 3 |
| ED 231, Curriculum Development | 3 |
| ECE 144, Early Childhood Education Seminar..... | 2 |
| MATH 050, Mathematics II (Pre-Algebra) (M) | 5 |
| Total Credits..... | 16 |
| Year Two Total..... | 48 |
| Grand Total..... | 95 |

EPC: 839

A certificate is available upon completion of 3 credits of ECE 191/ECE 291, 3 credits of ED 200 or ED 210, 9 credits of related instruction and 30 credits of ED courses.

* A maximum of 4 credits of ECE 144 is allowed.

** Students must complete at least one quarter of ED 191 or ED 291 before enrolling in practicum course.

*** A minimum of 3 credits ED 200 or ED 210 is required to complete a certificate.

**** 3 credits of Cooperative Work Experience are required for the certificate and 6 credits of Cooperative Work Experience are required for the degree.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - OCSUP 103, PSY 140

(W) - ENG 100

(L) - ECE 299, OCSUP 299

(M) - MATH 050

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 157, OCSUP 101, PSY 101, PSY 111

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Certificates

Certificate

Paraeducator Certificate

This certificate is equivalent to one year of the AAAS Degree in Education Paraprofessional.

Year One

| Quarter One | Credits |
|---|-----------|
| ED 141, Child Development..... | 3 |
| ED 160, Instructional Strategies Special Needs Students | 3 |
| ED 170, Guiding Behavior of Young Children | 3 |
| ECE 144, Early Childhood Education Seminar* | 1 |
| ENG 100, Basic Expository Writing (W)..... | 5 |
| Total Credits..... | 15 |

| Quarter Two | Credits |
|---|-----------|
| ED 133, Music and Art for Educators | 3 |
| ED 137, Language Development and Literacy | 3 |
| ED 261, Current Issues and Trends in Education..... | 3 |
| ED 191, Cooperative Work Experience**** | 3 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |
| Total Credits..... | 17 |

| Quarter Three | Credits |
|--|-----------|
| ED 110, Introduction to Education..... | 3 |
| ED 155, Introduction to Exceptional Students | 3 |
| ED 200, Practicum I: Teaching Young Children *** | 3 |
| OCSUP 299, Principles of Leadership (L)..... | 1 |
| PSY 101, Introduction to Psychology (R)..... | 5 |
| Total Credits..... | 15 |
| Year One Total..... | 47 |
| Grand Total..... | 47 |

EPC: 839C

* A maximum of 4 credits of ECE 144 is allowed.

** Students must complete at least one quarter of ED 191 or ED 291 before enrolling in practicum course.

*** A minimum of 3 credits ED 200 or ED 210 is required to complete a certificate.

**** 3 credits of Cooperative Work Experience are required for the certificate and 6 credits of Cooperative Work Experience are required for the degree.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - OCSUP 103, PSY 140

(W) - ENG 100

(L) - ECE 299, OCSUP 299

(M) - MATH 050

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 157, OCSUP 101, PSY 101, PSY 111

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Energy Systems Technology

AAAS, CERTIFICATE

http: //wwcc.edu/energy

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Department Overview: Energy Systems Technology is designed to meet the emerging needs of the expanding energy industry. Students learn the principles of energy as they relate to electricity, mechanics, and refrigeration and air conditioning. The first year of the program emphasizes theories, principles and basics of energy. Curriculum in the second year is driven by the student's interests, as he/she selects one of three specialty fields within the industry: Refrigeration and Air Conditioning, Electrical, or Mechanical. Refrigeration and Air Conditioning students leave the program with skills necessary to begin immediate employment, while Electrical and Mechanical Degrees are designed as a pre-apprenticeship preparation. Energy Systems Technology curriculum is reviewed by an advisory board composed of local and regional industry members.

Mission: To provide comprehensive technical programs and career training to improve the lives and livelihood of qualified and willing students in the Pacific Northwest and beyond.

Goals:

- Develop marketable technical and interpersonal skills in the trade, resulting in career placement.
- Acquire appropriate licenses, certificates, and degrees upon exiting Walla Walla Community College.
- Provide relevant training through hands-on and field experience to prepare the students for industry.
- Develop analytical thinking and problem-solving abilities through instructional labs, projects, and testing.
- Provide training in environmental and work place safety that meets appropriate industry standards.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in the following areas: Refrigeration and Air Conditioning, Electrical or Mechanical. One-year certificates are also available for each of the above listed AAAS Degrees.

Industry Description: Production, transmission and utilization of energy have expanded rapidly during the past decade and are projected to continue at a robust level of growth in southeastern Washington. Southeastern Washington is a major producer of electrical power including hydroelectric power from dams on the Columbia and Snake Rivers, gas fired energy generation plants and the emerging technology of the wind turbine. This expansion combined with a growing retirement eligible workforce continues to have a significant impact on the expansion of employment opportunities for technically trained energy systems technicians in the area.

Energy Systems Technology encompasses three subspecialty areas of study: Refrigeration and Air Conditioning, Electrical, and Mechanical. Refrigeration and Air Conditioning Technicians are involved in the design, fabrication, installation, service and maintenance of heating, cooling, refrigeration controls and equipment, will handle indoor environmental air quality and systems energy efficiency. Electrical technicians often work with installation, testing, operation, design, and maintenance of electrical equipment in residential, commercial and high voltage industrial electrical wiring, as well as DC and AC motor controls and electrical distribution systems. Mechanical technicians repair and maintain industrial machinery and equipment such as cranes, pumps, engines, motors, pneumatic tools, conveyor systems, production machinery, and steam propulsion systems.

Entrance Requirements: It is recommended that the student contact the lead instructor regarding appropriate program placement and paying a priority list fee to determine specific quarter start in the program. Students may enter the program fall, winter or spring quarter, however, due to course sequencing it is recommended to begin in the fall. A placement test offered by the Student Development Center must be completed prior to admittance to the program.

Other Information: For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Energy Systems Technology - Refrigeration and Air Conditioning

This technical degree prepares the student for success in the refrigeration and air conditioning industry. It can be utilized by individuals planning to enter their chosen career upon graduation or for the individual who is interested in improving current skills and knowledge.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

Quarter One

| | Credits |
|--|-----------|
| EST 100, Refrigeration and Air Conditioning Basics I | 5 |
| EST 131, Principles of Electricity Theory | 5 |
| EST 299, Leadership (L) | 1 |
| OCSUP 102, Oral Communication in the Workplace (O) | 3 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| Total Credits..... | 19 |

Quarter Two

| | Credits |
|---|-----------|
| CET 149, Blue Print Reading..... | 3 |
| EST 101, Refrigeration and Air Conditioning Basics II | 5 |
| EST 110, Refrigeration and Air Conditioning Mechanical Equipment..... | 6 |
| EST 132, Principles of Electricity AC Application | 5 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 22 |

Quarter Three

| | Credits |
|--|-----------|
| EST 120, Air Conditioning Systems | 6 |
| EST 130, Introduction to Controls | 6 |
| EST 144, Industrial Safety in the Workplace ** | 3 |
| EST 150, Electric Motor and Controls | 8 |
| Total Credits..... | 23 |

Quarter Four

| | Credits |
|---|--------------|
| EST 191, Cooperative Work Experience* | 10 - 18 |
| EST 192, Cooperative Seminar * | 2 |
| Total Credits..... | 12-20 |
| Year One Total..... | 76-84 |

Year Two

Quarter One

| | Credits |
|---|--------------|
| EST 200, Ductwork Design and Fabrication..... | 2 - 3 |
| EST 240, Basic Electronics | 5 |
| EST 264, Heating Systems and Heat Pumps | 7 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R) | 3 |
| WELD 141, Welding Basics..... | 4 |
| Total Credits..... | 21-22 |

Quarter Two

| | Credits |
|---|----------------|
| EST 220, Ammonia Refrigeration Systems..... | 4 |
| EST 250, Introduction to Programmable Controllers | 5 |
| EST 260, Introduction to the National Electrical Code | 1 |
| EST 265, Commercial Refrigeration Equipment..... | 8 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| WMGT 221, Pump Applications..... | 3 |
| Total Credits..... | 24 |
| Year Two Total..... | 45-46 |
| Grand Total..... | 121-130 |

EPC: 703

* EST 191 and EST 192 are available after the second quarter and can be completed during summer quarter of the first year or during the second year.

** EST 144, Industrial Safety will include MedicFirst Aid Training.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - OCSUP 103

(W) - ENG 101, WRITE 100, WRITE 110

(L) - EST 299

(M) - MATH 049, OCSUP 106

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - OCSUP 101

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Energy Systems Technology - Electrical

This technical degree prepares the student to enter into a cooperative training experience, often resulting in long-term employment with the training entity.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

Quarter One

| | Credits |
|--|-----------|
| EST 100, Refrigeration and Air Conditioning Basics I | 5 |
| EST 131, Principles of Electricity Theory | 5 |
| EST 299, Leadership (L) | 1 |
| OCSUP 102, Oral Communication in the Workplace (O)..... | 3 |
| OCSUP 106, Applied Mathematics I * | 5 |
| Total Credits..... | 19 |

Quarter Two

| | Credits |
|--|-----------|
| EST 132, Principles of Electricity AC Application..... | 5 |
| OCSUP 108, Applied Mathematics II (M) | 5 |
| WELD 141, Welding Basics..... | 4 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 17 |

Quarter Three

| | Credits |
|---|-----------|
| EST 130, Introduction to Controls | 6 |
| EST 144, Industrial Safety in the Workplace ** | 3 |
| EST 150, Electric Motor and Controls | 8 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R) | 3 |
| Total Credits..... | 20 |

Quarter Four

| | Credits |
|--|--------------|
| EST 191, Cooperative Work Experience**** | 6 - 18 |
| EST 192, Cooperative Seminar **** | 2 |
| Total Credits..... | 8-20 |
| Year One Total..... | 64-76 |

Year Two

Quarter One

| | Credits |
|---|-----------|
| CET 103, Engineering Concepts and Problems..... | 5 |
| EST 240, Basic Electronics | 5 |
| EST 249, Power Generation and Distribution..... | 5 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| Total Credits..... | 18 |

Quarter Two

| | Credits |
|---|-----------|
| CET 149, Blue Print Reading..... | 3 |
| EST 250, Introduction to Programmable Controllers | 5 |
| EST 260, Introduction to the National Electrical Code | 1 |
| PHYS 110, Conceptual Physics..... | 5 |
| WMGT 221, Pump Applications..... | 3 |
| Total Credits..... | 17 |

Quarter Three

| | Credits |
|--|----------------|
| DT 188, Forklift Operator Training *** | 1 |
| EST 297, Special Projects..... | 5 |
| EST 159, Hydraulics and Pneumatics..... | 5 |
| EST 254, Generators / Alternators / Transformers | 6 |
| TRK 101, CDL Training *** | 1 - 6 |
| Total Credits..... | 18-23 |
| Year Two Total..... | 53-58 |
| Grand Total..... | 117-134 |

EPC: 784

* Students are required to complete OCSUP 108, Applied Mathematics II, for a AAAS degree. Students scoring below 54 on the Compass Mathematics Exam will enroll in OCSUP 106 fall quarter.

** EST 144, Industrial Safety will include Medic First Aid Training.

*** DT 188, Forklift Operator Training and TRK 101, CDL Training are recommended but not required for the degree.

**** EST 191 and EST 192 are available after the second quarter and can be completed during summer quarter of the first year or during the second year.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - OCSUP 103

(W) - ENG 101, WRITE 100, WRITE 110

(L) - EST 299, OCSUP 299

(M) - MATH 065, OCSUP 108

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - OCSUP 101

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Energy Systems Technology - Mechanical

This technical degree prepares the student to enter into a cooperative training experience, often resulting in long-term employment with the training entity.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|---|-----------|
| EST 100, Refrigeration and Air Conditioning Basics I..... | 5 |
| EST 131, Principles of Electricity Theory..... | 5 |
| EST 299, Leadership (L) | 1 |
| OCSUP 102, Oral Communication in the Workplace (O)..... | 3 |
| OCSUP 106, Applied Mathematics I * | 5 |
| Total Credits..... | 19 |

| Quarter Two | Credits |
|--|-----------|
| EST 132, Principles of Electricity AC Application..... | 5 |
| OCSUP 108, Applied Mathematics II (M) | 5 |
| WELD 145, Basic Welding I | 7 |
| WMGT 221, Pump Applications..... | 3 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 23 |

| Quarter Three | Credits |
|--|-----------|
| EST 130, Introduction to Controls | 6 |
| EST 144, Industrial Safety in the Workplace ** | 3 |
| EST 150, Electric Motor and Controls | 8 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R)..... | 3 |
| Total Credits..... | 20 |

Quarter Four

| | |
|--|--------------|
| EST 191, Cooperative Work Experience**** | 6 - 18 |
| EST 192, Cooperative Seminar *** | 2 |
| Total Credits..... | 8-20 |
| Year One Total..... | 70-82 |

Year Two

| Quarter One | Credits |
|---|-----------|
| CET 103, Engineering Concepts and Problems..... | 5 |
| PMT 161, Precision Machining Basics I..... | 13 |
| EST 249, Power Generation and Distribution..... | 5 |
| Total Credits..... | 23 |

| Quarter Two | Credits |
|--|-----------|
| CET 149, Blue Print Reading..... | 3 |
| PMT 162, Precision Machining Basics II | 12 |
| OCSUP 103, Job Seeking Skills..... | 3 |
| Total Credits..... | 18 |

| Quarter Three | Credits |
|--|----------------|
| DT 188, Forklift Operator Training *** | 1 |
| EST 159, Hydraulics and Pneumatics..... | 5 |
| TRK 101, CDL Training *** | 1 - 6 |
| WELD 146, Basic Welding II | 7 |
| Total Credits..... | 14-19 |
| Year Two Total..... | 55-60 |
| Grand Total..... | 125-142 |

EPC: 768

* Students are required to complete OCSUP 108, Applied Mathematics II, for a AAAS degree. Students scoring below 54 on the Compass Mathematics Exam will enroll in OCSUP 106 fall quarter.

** EST 144, Industrial Safety will include Medic First Aid Training.

*** DT 188, Forklift Operator Training and TRK 101, CDL Training are recommended but not required for the degree.

**** EST 191 and EST 192 are available after the second quarter and can be completed during summer quarter of the first year or during the second year.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(W) - ENG 101, WRITE 100, WRITE 110

(L) - EST 299, OCSUP 299

(M) - MATH 065, OCSUP 108

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - OCSUP 101

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Certificates

Certificate

Energy Systems Technology - Refrigeration & Air Conditioning Certificate

This certificate is equivalent to the first year of the AAAS Degree in Energy Systems Technology - Refrigeration and Air Conditioning.

Year One

| Quarter One | Credits |
|---|---------|
| EST 100, Refrigeration and Air Conditioning Basics I..... | 5 |
| EST 131, Principles of Electricity Theory..... | 5 |

ENERGY SYSTEMS TECHNOLOGY

| | |
|--|-----------|
| EST 299, Leadership (L) | 1 |
| OCSUP 102, Oral Communication in the Workplace (O) | 3 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| Total Credits..... | 19 |

Quarter Two

| | |
|---|-----------|
| CET 149, Blue Print Reading..... | 3 |
| EST 101, Refrigeration and Air Conditioning Basics II..... | 5 |
| EST 110, Refrigeration and Air Conditioning Mechanical Equipment..... | 6 |
| EST 132, Principles of Electricity AC Application..... | 5 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 22 |

Quarter Three

| | |
|--|-----------|
| EST 120, Air Conditioning Systems..... | 6 |
| EST 130, Introduction to Controls..... | 6 |
| EST 144, Industrial Safety in the Workplace ** | 3 |
| EST 150, Electric Motor and Controls | 8 |
| Total Credits..... | 23 |

Quarter Four

| | |
|---|--------------|
| EST 191, Cooperative Work Experience* | 10 - 18 |
| EST 192, Cooperative Seminar * | 2 |
| Total Credits..... | 12-20 |
| Year One Total..... | 76-84 |
| Grand Total..... | 76-84 |

EPC: 703C

* EST 191 and EST 192 are available after the second quarter and can be completed during summer quarter of the first year or during the second year.

** EST 144, Industrial Safety will include MedicFirst Aid Training.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - OCSUP 103

(W) - ENG 101, WRITE 100, WRITE 110

(L) - EST 299

(M) - MATH 049, OCSUP 106

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - OCSUP 101

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Certificates

Certificate

Energy Systems Technology - Electrical Certificate

Year One

| Quarter One | Credits |
|---|-----------|
| EST 100, Refrigeration and Air Conditioning Basics I..... | 5 |
| EST 131, Principles of Electricity Theory..... | 5 |
| EST 299, Leadership (L) | 1 |
| OCSUP 102, Oral Communication in the Workplace (O)..... | 3 |
| OCSUP 106, Applied Mathematics I..... | 5 |
| Total Credits..... | 19 |

Quarter Two

| Quarter Two | Credits |
|--|-----------|
| EST 132, Principles of Electricity AC Application..... | 5 |
| OCSUP 108, Applied Mathematics II (M) | 5 |
| WELD 141, Welding Basics..... | 4 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 17 |

Quarter Three

| Quarter Three | Credits |
|---|-----------|
| EST 130, Introduction to Controls..... | 6 |
| EST 144, Industrial Safety in the Workplace..... | 3 |
| EST 150, Electric Motor and Controls | 8 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R) | 3 |
| Total Credits..... | 20 |
| Year One Total..... | 56 |
| Grand Total..... | 56 |

EPC: 784C

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(W) - ENG 101, WRITE 100, WRITE 110

(L) - EST 299, OCSUP 299

(M) - MATH 065, OCSUP 108

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - OCSUP 101

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Certificates

Certificate

Energy Systems Technology - Mechanical Certificate

Year One

| Quarter One | Credits |
|---|-----------|
| EST 100, Refrigeration and Air Conditioning Basics I..... | 5 |
| EST 131, Principles of Electricity Theory..... | 5 |
| EST 299, Leadership (L) | 1 |
| OCSUP 102, Oral Communication in the Workplace (O)..... | 3 |
| OCSUP 106, Applied Mathematics I..... | 5 |
| Total Credits..... | 19 |

Quarter Two

| Quarter Two | Credits |
|--|-----------|
| EST 132, Principles of Electricity AC Application..... | 5 |
| OCSUP 108, Applied Mathematics II (M) | 5 |
| WELD 145, Basic Welding I..... | 7 |
| WMGT 221, Pump Applications..... | 3 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 23 |

Quarter Three

| Quarter Three | Credits |
|---|-----------|
| EST 130, Introduction to Controls..... | 6 |
| EST 144, Industrial Safety in the Workplace..... | 3 |
| EST 150, Electric Motor and Controls | 8 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R) | 3 |
| Total Credits..... | 20 |
| Year One Total..... | 62 |
| Grand Total..... | 62 |

EPC: 768C

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(W) - ENG 101, WRITE 100, WRITE 110

(L) - EST 299, OCSUP 299

(M) - MATH 065, OCSUP 108

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - OCSUP 101

(J) - Job Seeking Skills (L) - Leadership
 (M) - Computation/Mathematics (O) - Oral Communications
 (W) - Written Communications (R) - Human Relations

English - Pre-College

<http://wwcc.edu/english>

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 Barbara Hoffman 509.527.4645 barbara.hoffman@wwcc.edu

Department Overview: College preparation courses provide an environment that assists students in learning and practicing skills that lead to academic and occupational success. Courses included are in the areas of reading, writing, mathematics and study skills. Students who complete college preparation courses normally experience higher skill achievement and greater earning power.

The number of quarters required to complete the college preparation coursework is dependent upon the individuals' entrance examination scores. A student is typically co-enrolled in an AAAS or AA degree program.

English

<http://wwcc.edu/english>

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 Michael Kiefel 509.527.4640 michael.kiefel@wwcc.edu
 Brad La Fran 509.527.3682 russell.lafran@wwcc.edu
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Department Overview: English courses at WWCC help students better understand and appreciate the English language. Courses in English assist students in presenting their thoughts in an organized manner and improve their decision-making, problem-solving, and critical thinking. College level courses specifically focus on the development of structural and stylistic writing skills with concentration on a variety of essay techniques and on writing an academic research paper. The college offers three courses in creative writing. WWCC offers a full spectrum of English courses that prepare students for college level courses, including vocabulary development, grammar, spelling, and fundamentals in writing sentences and paragraphs.

Mission: The Humanities Division seeks to enrich students' lives through exploration of the diversity of human expressions and cultures as well as to build a foundation for life-long learning - including successful future academic achievement - through writing, literature, language arts and philosophy.

Goals:

- To provide a variety of courses in order to enrich students' lives and build a foundation for lifetime learning.

- To provide students with a variety of courses that prepare them for transfer to four year institutions with academic skills needed to succeed in upper division work.
- To encourage students to explore and develop critical thinking and creative thinking.
- To help students develop and perfect writing skills.
- To assist students in appreciating, understanding, and using the terminology and concepts of each course.
- To develop increased aesthetic appreciation as well as increased cultural awareness.

Degrees: Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at Walla Walla Community College in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Entrance Requirements: Students must take a placement test to determine enrollment level.

Preparation for Success: In order to succeed in English writing courses, students should take the course recommended by their writing assessment, available in the Student Development Center. Taking the proper course is very important, since writing is best learned in sequence, from the properly composed sentence to the well-researched essay and the imaginative, and structurally sound creative piece. Word-processing skills are essential to the successful English major.

Career Opportunities: A college degree in English is an excellent foundation for a variety of careers that require good communication skills. English majors routinely find employment in education and publishing. Many have careers in business and technology.

Other Information: All new and re-entering students complete an English writing assessment at Walla Walla Community College. The writing assessment may include a writing sample. As a result of this assessment, students will be enrolled in the most appropriate English course.

The Writing Center is a great place for students to work one-on-one with a tutor to review their writing in any course at the College.

English as a Second Language

<http://wwcc.edu/esl>

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 Billie Havens- Clk 509.758.1707 billie.havens@wwcc.edu

Department Overview: The ESL Department's mission is to elevate students' aspirations and to provide basic skills instruction that will enable students to further their education in preparation for entering the workforce and better participate in the social, cultural, and economic environment. Courses in English as a Second Language are offered to LEP (limited English proficient) students. Students are tested and placed at one of six levels according to their ability, and progress is determined by CASAS testing. English as a Second Language instruction is centered on the Washington Adult Learning Standards basic skill areas "listening, speaking, reading, writing," as well as computer literacy. Instruction is in English and incorporates a variety of language teaching techniques to meet the needs of students. The teachers and students work together in a communicative classroom setting with special emphasis given to community, civic, personal, and workplace topics.

Entrance Requirements: Non-native speakers are placed by CASAS Form 20 in Levels I thru VI. Registration takes place in the Multi-Cultural Center. Students may register any time during the quarter and there is a \$25 fee per quarter.

Enology and Viticulture

AAAS, CERTIFICATE

<http://wwcc.edu/wine>

Stan Clarke 509.524.5171 stanley.clarke@wwcc.edu
 Mike Moyer 509.524.5172 michael.moyer@wwcc.edu

Department Overview: The Institute for Enology and Viticulture provides students with hands-on experience in winemaking, viticulture practices, and wine sales. To this end, the Institute has developed several acres of teaching vineyards and a certified nursery where students actively participate in vineyard management and the growing of quality wine grapes used to support the teaching winery. In addition to the teaching vineyard, the Institute has created a state-of-the-art commercial teaching winery where students are responsible for winemaking and wine-related chemical analyses.

Courses in wine marketing are available and students have ample opportunity to promote College Cellars of Walla Walla wine at various wine industry events. Many courses are tailored to meet the specific needs of the wine industry in the Pacific Northwest, with special emphasis given to Southeastern Washington wine grape varieties and wines.

Flexibility of the course scheduling allows for seasonal instruction and participation in short courses and seminars. The Enology and Viticulture curriculum is reviewed by an advisory board composed of local and regional industry members.

Mission: The mission of the Walla Walla Institute for Enology and Viticulture is to facilitate alliances with vintners and viticulturists in the Walla Walla Valley Appellation and the State of Washington, to promote the economic development of the wine industry and to provide education and training for those in this industry.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Enology and Viticulture upon completion of the two-year program of study. A Viticulture Certificate, which is dedicated to the science of farming wine grapes, is available upon completion of the first year of the program. A Enology Certificate, which is dedicated to the science of wine making, is available upon completion of the second year of the program.

Students may also choose to earn an Associate in Applied Arts and Sciences Degree in Wine Marketing and Management through the Agri-Business program.

The Associate in Arts Degree is a transfer degree that prepares the student for continued education at a baccalaureate institution. These students will be able to complete their general education requirements before transferring, begin studies in Enology and Viticulture, and take electives based upon their intended degree program. The AA Degree contains many of the prerequisite courses for transfer to the Washington State University for students wanting to pursue a B.S. Degree in Viticulture and/or Enology.

Industry Description: Wine production in the state of Washington has rapidly grown to become a \$3 billion industry, with more than 30,000 acres of vineyards, 275 bonded wineries, and a new licensed and bonded winery emerging every month. In the Walla Walla Valley alone, there are nearly 1500 acres planted in vineyards, while the number of bonded wineries in the area has grown from 8 to 70 in only ten years. The Walla Walla Institute for Enology and Viticulture was established to: 1) facilitate alliances with vintners and viticulturists in the Walla Walla Valley and throughout Washington State, 2) promote the economic development of the wine industry, and 3) provide education and training for those with an interest in the industry.

Entrance Requirements: Students may enter the program fall, winter or spring quarter, however, due to course sequencing it is recommended to begin in the fall. The Student Development Center offers a placement test and student orientation both of which must be completed prior to admittance to the program. Prospective students must submit a resume to the Institute for Enology and Viticulture, and also

arrange for an interview with one of the Institute's instructors. Students are required to have instructor permission prior to enrolling in the program. After acceptance to the program, students will be required to make a deposit. Students enrolling in courses focusing on winemaking must be 18 years of age or older and must be able to lift 50 lbs.

Other Information: The Institute also offers short courses in sensory evaluation, barrel making, wine yeasts, wine appreciation, wine consumer education, health and wine awareness, and hospitality training.

For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Enology & Viticulture

This technical degree prepares the student for a variety of careers in vineyards (vineyard workers, crew leaders, managers, viticulturists) to wineries (winemakers, cellar workers, lab technicians, retail sales representatives).

Transferability: The AAAS Degree is designed primarily for students planning to enter their chosen career upon graduation. Only selected credits are considered transferable to public or private baccalaureate institutions in Washington State. However, students interested in studying Enology and Viticulture and continuing to a four-year institution can readily adjust their coursework to facilitate this transfer. Core professional technical courses for this program are open-entry and open-exit in most instances. Support and related instruction courses are offered on a quarterly basis and some are available via Extended Learning.

Year One

| Quarter One | Credits |
|--|--------------|
| AGPR 201, Basic Soil Science | 5 |
| EV 100, Orientation to the Wine Industry | 1 |
| EV 101, Establishing a Vinifera Vineyard | 5 |
| EV 196, Viticulture Practicum I..... | 1 - 3 |
| EV 231, Pesticide Licensing for Viticulture..... | 3 |
| WMGT 112, Irrigation Principles..... | 5 |
| Total Credits..... | 20-22 |

Quarter Two

| Quarter Two | Credits |
|--|--------------|
| AGPR 114, Plant Science II | 3 |
| AGPR 202, Soils Fertility and Management | 5 |
| EV 107, Winemaking for Viticulture | 3 |
| EV 197, Viticulture Practicum II..... | 1 - 3 |
| EV 299, Leadership (L)..... | 1 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |
| Total Credits..... | 18-20 |

Quarter Three

| Quarter Three | Credits |
|--|---------|
| AGPR 105, Weed Biology and Identification..... | 5 |
| EV 102, Maintaining a Vinifera Vineyard..... | 5 |
| EV 198, Viticulture Practicum III..... | 1 - 3 |

| | |
|--|--------------|
| MATH 065, Introductory Algebra (M) | 5 |
| PSY 101, Introduction to Psychology (R)* | 5 |
| Total Credits..... | 21-23 |
| Year One Total..... | 59-65 |

Year Two

| Quarter One | Credits |
|---|--------------|
| AGPR 120, Agricultural Chemistry *..... | 5 |
| ENG 101, English Composition I (W)..... | 5 |
| EV 203, Science of Winemaking I..... | 5 |
| EV 296, Winemaking Practicum I..... | 1 - 3 |
| Total Credits..... | 16-18 |

Quarter Two

| Quarter Two | Credits |
|--|--------------|
| AGRI 215, Plant Diseases and Insects..... | 5 |
| EV 108, Wine Industry Employment (J) | 3 |
| EV 204, Science of Winemaking II..... | 5 |
| EV 297, Special Projects | 1 - 10 |
| Total Credits..... | 14-23 |

Quarter Three

| Quarter Three | Credits |
|--|----------------|
| AGRI 211, Agri-Business Management | 5 |
| EV 205, Science of Winemaking III..... | 5 |
| EV 298, Winemaking Practicum III | 1 - 3 |
| Total Credits..... | 11-13 |
| Year Two Total..... | 41-54 |
| Grand Total..... | 100-119 |

EPC: 121

* PSY 101, Introduction to Psychology and AGPR 120, Agriculture Chemistry may be interchanged on the degree sequence due to alternate year offerings.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - EV 108

(W) - ENG 101

(L) - EV 299

(M) - MATH 065

(O) - SPCH 101, SPCH 102

(R) - PSY 101

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Certificates

Certificate

Viticulture Certificate

This certificate is equivalent to the first year of the AAAS Degree in Enology and Viticulture, which is dedicated to the science of growing grapes.

Year One

| Quarter One | Credits |
|--|--------------|
| AGPR 201, Basic Soil Science | 5 |
| EV 100, Orientation to the Wine Industry..... | 1 |
| EV 101, Establishing a Vinifera Vineyard | 5 |
| EV 196, Viticulture Practicum I..... | 1 - 3 |
| EV 231, Pesticide Licensing for Viticulture..... | 3 |
| WMGT 112, Irrigation Principles..... | 5 |
| Total Credits..... | 20-22 |

ENOLOGY AND VITICULTURE/ETHNIC STUDIES

Quarter Two

| | |
|--|-------|
| AGPR 114, Plant Science II | 3 |
| AGPR 202, Soils Fertility and Management | 5 |
| EV 107, Winemaking for Viticulture | 3 |
| EV 197, Viticulture Practicum II..... | 1 - 3 |
| EV 299, Leadership (L)..... | 1 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |

Total Credits.....18-20

Quarter Three

| | |
|---|-------|
| AGPR 105, Weed Biology and Identification | 5 |
| EV 102, Maintaining a Vinifera Vineyard..... | 5 |
| EV 198, Viticulture Practicum III..... | 1 - 3 |
| MATH 065, Introductory Algebra (M)..... | 5 |
| PSY 101, Introduction to Psychology (R)* | 5 |

Total Credits.....21-23

Year One Total.....59-65

Grand Total.....59-65

EPC: 121C

* PSY 101, Introduction to Psychology and AGPR 120, Agriculture Chemistry may be interchanged on the degree sequence due to alternate year offerings.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - EV 108

(W) - ENG 101

(L) - EV 299

(M) - MATH 065

(O) - SPCH 101, SPCH 102

(R) - PSY 101

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Certificates

Certificate

Fermentation Certificate

This certificate is equivalent to the second year of the AAAS Degree in Enology and Viticulture, which is dedicated to the science of wine making.

Year One

Quarter One

| | |
|---|-------|
| AGPR 120, Agricultural Chemistry | 5 |
| ENG 101, English Composition I (W)..... | 5 |
| EV 203, Science of Winemaking I..... | 5 |
| EV 296, Winemaking Practicum I..... | 1 - 3 |

Total Credits.....16-18

Quarter Two

| | |
|--|--------|
| AGRI 215, Plant Diseases and Insects..... | 5 |
| EV 108, Wine Industry Employment (J) | 3 |
| EV 204, Science of Winemaking II..... | 5 |
| EV 297, Special Projects | 1 - 10 |
| EV 299, Leadership (L)..... | 1 |

Total Credits.....15-24

Quarter Three

| | |
|--|-------|
| AGRI 211, Agri-Business Management | 5 |
| EV 205, Science of Winemaking III..... | 5 |
| EV 298, Winemaking Practicum III | 1 - 3 |

Total Credits.....11-13

Year One Total.....42-55

Grand Total.....42-55

EPC: 121E

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - EV 108

(W) - ENG 101

(L) - EV 299

(M) - MATH 065

(O) - SPCH 101, SPCH 102

(R) - PSY 101

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Environmental Studies

<http://www.wvcc.edu/environmentalstudies>

Mike Mahan

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Department Overview: Environmental Sciences studies the physical makeup and history of the Earth to protect the environment. Students develop an understanding of the properties of underground and surface waters, how to locate water and energy resources, and environmental assessment procedures.

Ethnic Studies

<http://www.wvcc.edu/ethnicstudies>

Susan Palmer

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Department Overview: As a part of the College's commitment to providing opportunities for understand the uniqueness of self and others and demonstrating an openness toward diverse points of view, WVCC offers a variety of ethnic studies courses. These may appear under several headings, such as humanities, sociology, music, history, and others.

Family and Consumer Studies

<http://wwcc.edu/parenteducation>

Melinda Brennan 509.524.5142 melinda.brennan@wwcc.edu

Department Overview: Parent Education courses are offered to help promote the development of knowledge and skills for strong and healthy families. Courses are offered for parents of babies, toddlers, and preschool age children. These courses include subjects of interest from a selected list of topics based on participant interest and need and are offered both on campus and at off-campus locations. Family and Consumer Studies curriculum is developed and maintained with input from the Early Childhood Education advisory board which is composed of local and regional educators.

Other Information: For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Family Literacy Foundations / Families That Work

<http://wwcc.edu/familyliteracy>

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Department Overview: This program is offered at both the Walla Walla and Clarkston campuses. Students are administered a Comprehensive Adult Student Assessment System (CASAS) Appraisal, Reading for Understanding, Math Locator, Spelling, and CASAS Level assessments to determine placement upon entry. Program of study is then determined individually. Instruction is offered via lecture, lecture/lab, individual study, structured classes, learning communities, and through the use of computer technology. A \$25.00 tuition fee is collected each quarter for any and all program components. Students may pursue the General Education Development (GED) or upgrade existing skills and abilities in preparation for further study in other college programs. Families That Work bridges students from basic skills progress to vocational and customized job skills training courses.

The Family Literacy/Families That Work (FTW) program operates year-round 20-25 hours a week. Family Literacy Master Course Outlines include: ABE Levels I-IV basic skills in reading, writing, and math; ABE Math Level II; Family Management/Parent Education; Integrated Basic Work Skills; and Educational Interview. Families That Work also provides for the continuation of educational and family activities during college and public school breaks.

Families That Work is a state family literacy model that takes a holistic service delivery approach to serve the needs of eligible Temporary Assistance to Needy Families (TANF) recipients and the low-wage earner who is TANF eligible. The FTW program provides interactive literacy activities between parents and children, training for parents regarding how to be the primary teacher for their children and full partners in the education of their children, parent literacy training that leads to economic self-sufficiency, and age appropriate education to prepare children for success in school and life experiences through: Parent and Child Together (PACT) time, family-centered activities, classroom parenting instruction, integrated basic work place skills, campus and community connections, and home visitation for role modeling and interactive age-appropriate activities.

Degrees: Outcomes: Adult Basic Skill development in reading, writing, math, and grammar; GED subject gain and GED attainment; demonstrated enhanced skills in family management and parenting which leads to the development of knowledge, skills, and attitudes necessary for balancing home and work schedules; becoming full partners in the educational development of a parent's child(ren); resume and portfolio development; interview and dressing for success skill development; increased basic technology skill development; and individual family and academic goal achievement plans, building foundations and linkages to employment and income improvement.

Industry Description: According to the expanded scope of the federal definition of literacy in the Workforce Investment Act, the federal definition of family literacy services means services that are of sufficient intensity in terms of hours, and of sufficient duration, to make sustainable changes in a family, and that integrate all of the four components noted below.

Family literacy is designed to assist families in balancing their roles of family member, community member, and worker and to lead them on their journey to success. The National Institute established these Equipped for the Future roles for Literacy. The Walla Walla Community College Families That Work program takes a holistic, fully integrated family-focused approach designed for parents and children most in need of improving their literacy skills. Food Handling, First Aid, and CPR are just a few of the competency certifications that are available. Newly learned skills can be applied to their home life as well as on the job. These skills will be enhanced and developed through these four family literacy components:

- Interactive literacy (language) activities between parents and children (Parent and Child Together (PACT) time).
 - Parents who support and extend their children's learning contribute to their children's successes both in school and in life. The parent and child together time

- component provides the opportunity for parents and children to interact together as a family unit.
- Training for parents regarding how to be the primary teacher for their children and full partners in the education of their children (Parent supporting child's development.)
 - This component provides instruction on how children grow, develop, and learn to read and write; addresses issues critical to family well-being and success; connects parents with a wide array of community resources; and provides parents with opportunities to network and develop mutual support systems with others in the program.
- Parent literacy training (adult education) that leads to economic self-sufficiency.
 - The adult education component is designed to extend basic education skills beyond academic reading/writing/math, GED preparation, work-focused or ESL programs. Family literacy adult education courses teach adults at all levels and abilities to think critically, solve problems, set goals, and acquire successful interpersonal skills.
- Age appropriate education for children to prepare them for success in school and life experiences (Birth to 5, K-3).
 - The children's education component is designed to promote the growth and development of children. The educational experience may range from birth to 12th grade.

These four family literacy components are integrated throughout the Walla Walla Community College Families That Work programs.

Entrance Requirements: For placement and enrollment in Family Literacy/Families That Work program courses, all students are required to complete an intake interview with the Family Literacy program coordinator and enrollment will be based upon WorkFirst eligibility and/or an assessment interview with the Family Literacy Program Coordinator.

WorkFirst eligibility criteria include: Participation in WorkFirst activities as a TANF (Temporary Assistance to Needy Families) recipient or low-wage earner; parent of at least one child under the age of 18; and meet Federal Poverty Level requirements based on income and family size.

Prerequisite: All students under 19 years of age must have a signed release from the last school they attended and have completed an intake and assessment interview with the Family Literacy coordinator.

Other Information: Availability: Classes are offered summer, fall, winter, and spring sessions with continuous enrollment. Students may enroll anytime throughout the year. Students enrolled in the Family Literacy program may enroll in other Adult Basic Education courses, which may include any or all of these course components - ABE Levels 001, 002, 003, 004; ABE Math II, ABE Math III, ABE Reading and Writing. Students are also informed about and enrolled in other

Adult Basic Education and vocational courses that will meet their individual identified needs and customized jobs skills training options.

Grading: Courses are non-graded: students earn an "S"(satisfactory), a "U"(unsatisfactory), or an "M"(level completion and mastery completion of all official GED tests), based on attendance, chapter tests, demonstrated skills and abilities, and homework.

Bridging: While students are participating in Family Literacy courses, they are also preparing for future vocational and academic course work through co-advising efforts with appropriate vocational/academic advisors; completing the Compass Test and Federal Financial Aid applications; and connecting to WorkFirst and other campus and community resources.

Learning Disabilities and Special Needs: All curriculum, lesson plans, and classroom strategies are developed with consideration to characteristics of students with learning disabilities through learning styles (visual, auditory, and tactile/kinesthetic), and informal assessment (observations and self-report surveys/questionnaires). Course topics are imbedded within classes in which a core basic skills curriculum is keyed to the framework of Equipped for the Future (EFF) and to the Washington State Adult and Family Literacy Competencies.

To assure appropriate identification, referral, and follow-up of students with learning disabilities, special attention is made to connecting students to appropriate campus/community resources, qualified medical and diagnostic professionals, counselors, and the Walla Walla Community College Disabilities Coordinator.

Home-Based Educational Services: Home-based services facilitate uninterrupted educational progress. Educational and parenting outreach services are coordinated by a Family Services Specialist for medically fragile pregnant women, medically fragile students, mothers of newborns, parents with ill children, and parents with limiting work schedules. Age-appropriate and skill level activity modules for the children are provided through home-based assistance. Adult and family development goal setting is also a primary focus.

Farrier Science

AAAS, CERTIFICATE

<http://wwcc.edu/farrier>

Jeff Engler

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Department Overview: Farrier Science prepares students as professional, trained farriers able to work on most types of horses. A combination of classroom and lab coursework focuses on equine anatomy as it pertains to farrier science, conformation fault analysis, disease, leg and hoof lameness and corresponding therapeutic measures. Upon program completion the farrier will have gained sufficient knowledge of the anatomy of the horse's leg and the practiced experience to retain true gaits of horses, improve or correct faulty gaits, alleviate disorders of the feet, and provide relief for the injured limb or hoof. Techniques are practiced on local, privately owned horses, providing students the chance to work with horse owners in a business setting. The Farrier Science curriculum complies with standards set by the American Farriers' Association and is reviewed by an advisory board composed of local and regional industry members.

Mission: Training the workforce to success in industry, is a journey not a destination.

Goals:

- Implement competency-based education, skill standards, and program certification.
- Create and maintain a marketing plan related to student recruitment.
- Update facilities with consideration for function and appearance.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Farrier Science upon completion of the two-year program of study. This degree prepares students to take the American Farriers Association (AFA) Certified Farrier Examination. A Farrier Science is available upon completion of the first year of the program. This certificate prepares students to take the American Farriers Association Intern Test.

Students may earn a Farrier Endorsement, a six-week summer session which is designed to teach the basics in a short period of time or to upgrade the skills of someone with previous work experience.

Industry Description: Farriers are trained in the art and science of trimming and shoeing horses of all breeds. They trim the hoof to remove extra growth and to align the bone structure of the leg so it meets the ground squarely. The process that farriers use involves removing the old shoe, cleaning out the dead exfoliating material, and then using nippers to remove excess hoof wall growth. The foot is then

made flat using the rasp. Horse shoes are shaped to fit the hoof and nailed on. Due to popularity and diverse uses of horses, there is a steady demand for qualified farriers throughout the world.

Entrance Requirements: It is recommended that the student contact the lead instructor regarding appropriate program placement and paying a priority list fee to determine specific quarter start in the program. Students may enter the program fall, winter or spring quarter, however, due to course sequencing it is recommended to begin in the fall. A placement test offered by the Student Development Center must be completed prior to admittance to the program. Students may also enroll in the six-week summer quarter.

Other Information: For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Farrier Science

This technical degree prepares the student for immediate employment in the farrier industry. It may be utilized by individuals planning to enter their chosen career upon graduation or for the individual who is interested in improving current skills and knowledge.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|---|-----------|
| FRR 194, Basic Shoeing..... | 18 |
| OCSUP 102, Oral Communication in the Workplace (O)..... | 3 |
| Total Credits..... | 21 |

| Quarter Two | Credits |
|--|-----------|
| BIO 170, Equine Biology..... | 3 |
| FRR 195, Intermediate Shoeing..... | 18 |
| FRR 162, Small Business Management for Farriers..... | 2 |
| OCSUP 106, Applied Mathematics I (M)..... | 5 |
| Total Credits..... | 28 |

| Quarter Three | Credits |
|--|-----------|
| FRR 197, Advanced Shoeing..... | 18 |
| FRR 299, Leadership (L)..... | 1 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R)..... | 3 |
| Total Credits..... | 22 |
| Year One Total..... | 71 |

Year Two

| Quarter One | Credits |
|---|-----------|
| FRR 245, Advanced Hoof Preparation and Shoeing..... | 16 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 19 |

FARRIER SCIENCE/FIRE SCIENCE

Quarter Two

| | |
|--|-----------|
| FRR 255, Advanced Forging - Homemade Shoe Unit | 16 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| Total Credits..... | 19 |

Quarter Three

| | |
|-----------------------------------|------------|
| FRR 283, Therapeutic Shoeing..... | 16 |
| Total Credits..... | 16 |
| Year Two Total..... | 54 |
| Grand Total..... | 125 |

EPC: 120

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - AGPR 100, OCSUP 103

(W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - FRR 299, OCSUP 299

(M) - BA 112, MATH 049, OCSUP 106

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 157, OCSUP 101, PSY 101, PSY 111, WMGT 192, WMGT 292

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Certificates

Certificate

Farrier Science Certificate

This certificate is equivalent to the first year of the AAAS Degree in Farrier Science.

Year One

| | |
|---|----------------|
| Quarter One | Credits |
| FRR 194, Basic Shoeing..... | 18 |
| OCSUP 102, Oral Communication in the Workplace (O)..... | 3 |
| Total Credits..... | 21 |

Quarter Two

| | |
|--|-----------|
| BIO 170, Equine Biology..... | 3 |
| FRR 195, Intermediate Shoeing..... | 18 |
| FRR 162, Small Business Management for Farriers..... | 2 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| Total Credits..... | 28 |

Quarter Three

| | |
|--|-----------|
| FRR 197, Advanced Shoeing | 18 |
| FRR 299, Leadership (L)..... | 1 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R)..... | 3 |
| Total Credits..... | 22 |
| Year One Total..... | 71 |
| Grand Total..... | 71 |

EPC: 120C

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - AGPR 100, OCSUP 103

(W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - FRR 299, OCSUP 299

(M) - BA 112, MATH 049, OCSUP 106

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 157, OCSUP 101, PSY 101, PSY 111, WMGT 192, WMGT 292

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Fire Science

AAAS, CERTIFICATE

<http://wwcc.edu/fire>

Brad Mason

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Department Overview: Fire Science provides students with the fundamental knowledge and skills required to function as an entry-level firefighter. EMT training is included as an essential component of the curriculum. The program is designed on a two-year rotational basis, with each new group of students beginning the program on even numbered years. Fire Science courses are taught through a combination of lecture and cooperative training. Many students volunteer with local fire departments to gain more hands-on practice of their skills. WWCC works closely with local fire departments, the EMS system, and the state association in order to offer a quality program, and curriculum is reviewed by an advisory board composed of these local, state and regional industry members.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Fire Science upon completion of the two-year program of study. A Fire Science Certificate is available upon completion of the first year of the program. The first year prepares the student to take the Washington State Firefighter 1 Certificate Examination.

Industry Description: Every year, fires and other emergencies take thousands of lives and destroy property worth billions of dollars. Firefighters help protect the public against these dangers by rapidly responding to a variety of emergencies. They must be prepared to respond rapidly, regardless of the weather or hour. Firefighters have assumed a range of responsibilities, including emergency medical services; they rescue victims and provide emergency medical attention as needed, ventilate smoke-filled areas, and attempt to salvage the contents of buildings. They are frequently the first emergency personnel at the scene of a traffic accident or medical emergency and may be called upon to put out a fire, treat injuries, or perform other vital functions. Most calls to which firefighters respond involve medical emergencies, and about half of all fire departments provide ambulance service for victims. Firefighters receive training in emergency medical procedures, and many fire departments require them to be certified as emergency medical technicians (EMT). Firefighters work in a variety of settings, including urban and suburban areas, airports, chemical plants, other industrial sites, and rural areas like grasslands and forests. In addition, some firefighters work in hazardous materials units that are trained for the control, prevention, and cleanup of oil spills and other hazardous materials incidents.

Entrance Requirements: Students may begin their study in the Fire Science program in fall quarter of every even numbered year. Students who miss the fall enrollment period may take the EMT and general educational courses at any time and then take the fire related courses when the program begins again. A placement test offered by the Student Development Center must be completed prior to admittance to the program. Due to the nature of the work, students wishing to enroll in the Fire Science program must submit to a Washington State criminal background check.

Scholarships: Students can apply for scholarships through some of the participating fire departments.

Other Information: Students are encouraged to apply for positions in the sleeper program, in which lodging is provided in exchange for taking calls.

For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Fire Science

This technical degree provides the student the fundamental knowledge and skills required to function in a fire service setting as an entry-level firefighter.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|--|-----------|
| FCA 100, Introduction to Firefighting (J)..... | 2 |
| FCA 111, Fundamentals of Firefighting..... | 4 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |
| WRITE 100, Applied Writing | 3 |
| Total Credits..... | 14 |

| Quarter Two | Credits |
|---|-----------|
| FCA 113, Intermediate Firefighting | 6 |
| FCA 177, Wildland Fire Management..... | 3 |
| MATH 107, Mathematics: A Practical Experience (M) | 5 |
| Total Credits..... | 14 |

| Quarter Three | Credits |
|--|-----------|
| FCA 115, Advanced Firefighting | 5 |
| FCA 137, Fire Protection Systems | 3 |
| HO 130, Emergency Medical Technician - Basic (EMT-B) Program | 10 |
| Total Credits..... | 18 |
| Year One Total..... | 46 |

Year Two

| Quarter One | Credits |
|---|-----------|
| CHEM 101, Chemistry | 5 |
| ENG 101, English Composition I (W)..... | 5 |
| FCA 105, Hydraulics | 3 |
| FCA 160, Fire Tactics I | 3 |
| Total Credits..... | 16 |

| Quarter Two | Credits |
|---|-----------|
| CT 121, Computer Software Principles | 5 |
| FCA 120, Fire Investigation..... | 3 |
| FCA 190, Uniform Fire Codes and Inspections | 4 |
| PSY 101, Introduction to Psychology (R)..... | 5 |
| Total Credits..... | 17 |

| Quarter Three | Credits |
|--|-----------|
| FCA 285, Public Safety Educator I | 2 |
| FCA 152, Building Construction | 3 |
| FCA 299, Leadership (L) | 3 |
| SOC 101, Introduction to Sociology | 5 |
| Total Credits..... | 13 |
| Year Two Total..... | 46 |
| Grand Total..... | 92 |

EPC: 828

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - FCA 100

(W) - ENG 101

(L) - FCA 299

(M) - MATH 107

(O) - SPCH 101

(R) - PSY 101

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Certificates

Certificate

Fire Science Certificate

This certificate is equivalent to the first year of the AAAS Degree in Fire Science.

Year One

| Quarter One | Credits |
|--|-----------|
| FCA 100, Introduction to Firefighting (J)..... | 2 |
| FCA 111, Fundamentals of Firefighting..... | 4 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |
| WRITE 100, Applied Writing | 3 |
| Total Credits..... | 14 |

| Quarter Two | Credits |
|---|-----------|
| FCA 113, Intermediate Firefighting | 6 |
| FCA 177, Wildland Fire Management..... | 3 |
| MATH 107, Mathematics: A Practical Experience (M) | 5 |
| Total Credits..... | 14 |

| Quarter Three | Credits |
|--|-----------|
| FCA 115, Advanced Firefighting | 5 |
| FCA 137, Fire Protection Systems | 3 |
| HO 130, Emergency Medical Technician - Basic (EMT-B) Program | 10 |
| Total Credits..... | 18 |
| Year One Total..... | 46 |
| Grand Total..... | 46 |

EPC: 828C

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - FCA 100

(W) - ENG 101

(L) - FCA 299

(M) - MATH 107

(O) - SPCH 101

(R) - PSY 101

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

French

<http://www.wvcc.edu/french>

Edith Liebrand

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Department Overview: The study of a modern language is a way of expanding one's horizons while developing specific linguistic skills that will enhance career, academic, and travel opportunities. One of the many benefits derived from modern-language study is the ability to transcend linguistic and cultural parochialism. To understand the uniqueness of one's own language and civilization, knowledge of another culture is essential. Language study is the key that unlocks the mysteries surrounding a foreign people. Through language, one is able to explore their literature, art, history, and philosophy-in short, their way of life.

Mission: The Humanities Division seeks to enrich students' lives through exploration of the diversity of human expressions and cultures as well as to build a foundation for life-long learning - including successful future academic achievement - through writing, literature, language arts and philosophy.

Goals:

- To provide a variety of courses in order to enrich students' lives and build a foundation for lifetime learning.
- To provide students with a variety of courses that prepare them for transfer to four year institutions with academic skills needed to succeed in upper division work.
- To encourage students to explore and develop critical thinking and creative thinking.
- To help students develop and perfect writing skills.
- To assist students in appreciating, understanding, and using the terminology and concepts of each course.
- To develop increased aesthetic appreciation as well as increased cultural awareness.

Degrees: Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at Walla Walla Community College in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Entrance Requirements: There is no prerequisite for FREN 101. The series of French courses numbered FREN 102 and above are a set of sequentially designed courses and must be taken in order (unless the student has received written permission to deviate from that order from the French instructor).

Preparation for Success: Students can prepare for these careers by taking a broad range of courses that include English writing and comprehension, foreign languages, and basic computer proficiency. Other helpful pursuits include spending time abroad, engaging in comparable forms of direct contact with foreign cultures, and reading extensively on a variety of subjects in English and at least one other language. Beyond high school, there are many educational options. Although a bachelor's degree is often required, interpreters and translators note that it is acceptable to major in something other than a language. However, specialized training in how to do the work is generally required.

Career Opportunities: In preparing to meet the challenges of a rapidly changing and interdependent world, modern language expertise plays an increasingly important role. In many areas (business, education, communications, social work, technical and engineering positions, science, law, medicine, etc.), knowledge of a second language is not only desirable but necessary.

Other Information: Baccalaureate institutions vary considerably in their language requirements, especially schools within universities and college. Transfer students are advised to check requirements carefully when they plan their schedules.

Geography

<http://www.wvcc.edu/geography>

Mike Mahan

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Department Overview: Geography is an integrative discipline that unites the physical and social sciences in the study of people, places and the environment. Geography studies the where-and-why factors that shape our world and our lives in spatial terms.

Mission: To provide students with a diverse array of physical and life science classes through which they will develop an increased awareness and understanding of scientific knowledge and the scientific method of investigation by which this knowledge has been gained.

Goals:

- To offer a variety of introductory science classes which fulfill the necessary Natural Science graduation requirements for all AA transfer students.
- To assist non-science majors in becoming more scientifically literate.
- To provide science majors with the foundation knowledge they will need in order to successfully continue on to upper level courses; either at WWCC or at a transfer institution.
- To offer comprehensive sequences of lower division science classes in a variety of disciplines which provide science majors with a solid one or two years of preparation in their chosen field comparable to what they would receive in the first two years as a resident student at a transfer institution.
- To provide pre-professional (nursing, dentistry, optometry, physical therapy, etc.) students with the first two years of course work necessary for entrance in most Allied Health related programs.

Degrees: Students may earn an Associate in Science (AS) Degree, which is designed for those who complete a 93 credit program that is parallel with the first two years of a baccalaureate institution to which they intend to transfer. A cumulative gpa of 2.0 or higher is required for successful completion of this degree.

Coursework is concentrated in specific mathematics and sciences requirements. Additional coursework in general education, humanities and social sciences will be required at the transfer institution. Some remaining general education requirements may be satisfied with upper division courses. Students need to meet with department advisors at the baccalaureate institution to determine appropriate educational plan.

Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at Walla Walla Community College in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Preparation for Success: A major in Geography is strengthened by studies in mathematics. The ability to utilize computers for research purposes is mandatory in most disciplines. Most geographers will also need to be familiar with GIS technology.

Career Opportunities: Geographers analyze distributions of physical and cultural phenomena on local, regional, continental, and global scales. Economic geographers study the distribution of resources and economic activities. Political geographers are concerned with the relationship of geography to political phenomena, whereas cultural geographers study the geography of cultural phenomena. Physical geographers study variations in climate, vegetation, soil, and landforms and their implications for human activity. Urban and transportation geographers study cities and metropolitan areas, while regional geographers study the physical, economic, political, and cultural characteristics of regions ranging in size from a congressional district to entire continents. Medical geographers study health-care delivery systems, epidemiology (the study of the causes and control of epidemics), and the effect of the environment on health.

Geology

AS

<http://wwcc.edu/geology>

Steve May

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Department Overview: Geology is the study of the materials, processes, and evolutionary development of the Earth. Geologic understanding of the Earth is obtained by geoscientists working in a range of disciplines. Examples of the areas of study are: Mineralogy - the study of Earth's naturally occurring minerals; Petrology - the study of rocks; Paleontology - the study of the history of life on Earth; Seismology - the study of Earthquakes; Volcanology - the study of volcanoes; Environmental Geology - the study of the interactions between humans and the geologic world; and Petroleum Geology - the study of fossil fuel resources and their development.

The geology courses offered will serve students interested in pursuing geology as a major, as well as general students taking the courses to fulfill the Natural Sciences requirement for graduation with an AA or AS degree.

Mission: To provide students with a diverse array of physical and life science classes through which they will develop an increased awareness and understanding of scientific knowledge and the scientific method of investigation by which this knowledge has been gained.

Goals:

- To offer a variety of introductory science classes which fulfill the necessary Natural Science graduation requirements for all AA transfer students.
- To assist non-science majors in becoming more scientifically literate.
- To provide science majors with the foundation knowledge they will need in order to successfully

continue on to upper level courses; either at WWCC or at a transfer institution.

- To offer comprehensive sequences of lower division science classes in a variety disciplines which provide science majors with a solid one or two years of preparation in their chosen field comparable to what they would receive in the first two years as a resident student at a transfer institution.
- To provide pre-professional (nursing, dentistry, optometry, physical therapy, etc.) students with the first two years of course work necessary for entrance in most Allied Health related programs.

Degrees: Students may earn an Associate in Science (AS) Degree, which is designed for those who complete a 93 credit program that is parallel with the first two years of a baccalaureate institution to which they intend to transfer. A cumulative gpa of 2.0 or higher is required for successful completion of this degree.

Coursework is concentrated in specific mathematics and sciences requirements. Additional coursework in general education, humanities and social sciences will be required at the transfer institution. Some remaining general education requirements may be satisfied with upper division courses. Students need to meet with department advisors at the baccalaureate institution to determine appropriate educational plan.

Preparation for Success: Students interested in a major in Geology should take additional courses in chemistry, physics and mathematics. Students considering Environmental Geology should also take courses in environmental science, biology and ecology.

Career Opportunities: Geologists often begin their careers in field exploration or as research assistants or technicians in laboratories or offices. They are given more difficult assignments as they gain experience. Eventually, they may be promoted to project leader, program manager, or some other management and research position.

A bachelor's degree is adequate for a few entry-level positions, but geologists increasingly need a master's degree in a natural science. A master's degree also is the minimum educational requirement for most entry-level research positions in private industry, Federal agencies, and State geological surveys. A doctoral degree is necessary for most high-level research positions.

Degrees

Associate in Science

Associate in Science Degree - Option I (Geology)

Recommended two-year schedule (Option I). For other degree information, students should check with their advisors, transfer center staff, and college degree guidelines. Students should also note that it is extremely important to begin sequential courses in the fall since those courses are typically offered one quarter per year.

Transferability: For transfer information at specific institution and/or programs consult with your advisor.

Year One

| Quarter One | Credits |
|--|-----------|
| CHEM 121, General Chemistry I | 5 |
| Physical Education Elective | 1 |
| MATH 109, Precalculus I or MATH 124, Calculus with Analytic Geometry I | 5 |
| GEOG 101, Physical Geology | 5 |
| Total Credits..... | 16 |

| Quarter Two | Credits |
|--|-----------|
| CHEM 122, General Chemistry II | 5 |
| MATH 110, Precalculus II or MATH 125, Calculus with Analytic Geometry II | 5 |
| ENG 101, English Composition I | 5 |
| Total Credits..... | 15 |

| Quarter Three | Credits |
|---|-----------|
| CHEM 123, General Chemistry III | 5 |
| Physical Education Elective | 1 |
| Humanities or Social Science Elective | 5 |
| Social Science Elective | 5 |
| Total Credits..... | 16 |
| Year One Total..... | 47 |

Year Two

| Quarter One | Credits |
|--|-----------|
| Humanities Elective..... | 5 |
| MATH 124, Calculus with Analytic Geometry I or Elective* | 5 |
| PHYS 121, College Physics I or PHYS 201, Physics for Science and Engineering I | 5 |
| SPCH 101, Fundamentals of Speech..... | 5 |
| Total Credits..... | 20 |

| Quarter Two | Credits |
|--|-----------|
| MATH 125, Calculus with Analytic Geometry II or Elective* | 5 |
| PHYS 122, College Physics II or PHYS 202, Physics for Science and Engineering II | 5 |
| GEOG 201, Historical Geology..... | 5 |
| Total Credits..... | 15 |

| Quarter Three | Credits |
|--|--------------|
| Elective..... | 2 - 5 |
| Physical Education Elective | 1 |
| MATH 126, Calculus with Analytic Geometry II or MATH 201, Statistics | 5 |
| PHYS 123, College Physics III or PHYS 203, Physics for Science and Engineering III | 5 |
| Total Credits..... | 13-16 |
| Year Two Total..... | 48-51 |
| Grand Total..... | 95-98 |

EPC: 004

* Elective if MATH 124 and 125 have been completed.

High School Completion

<http://www.wwcc.edu/highschool>

Jan Kruper

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Department Overview: The High School Completion program is offered for individuals 18 years or older and for those whose high school class has graduated. The purpose is re-entry into the educational system for individuals who desire a high school diploma.

Degrees: Each student will be assessed and advised of program options based upon individual student needs and goals.

History

<http://wwcc.edu/history>

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James Bower- Clk

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Department Overview: History is the study of past human experiences. Only by learning about that past can we come to know the fullness of humankind's ideas and actions, tragedies, and triumphs. But, while we learn of the past, we are also learning about the present. The History program at WWCC provides courses to meet general education needs in the first two years of a college career in American history and World history. In addition to these introductory courses specialty courses are offered in a number of different areas. These courses have no academic prerequisites and are open to all interested persons.

Mission: The mission of the Social Sciences Division is to provide opportunities for students to better understand individual and group behavior, and develop skills to explore and analyze past and present society and culture.

Goals:

- Prepare students to transfer to four-year institutions.
- Introduce concepts, terminology, and factual evidence of the respective disciplines using appropriate classroom assessment techniques.
- Develop written and oral communication and critical thinking skills that require analysis and synthesis of course content.
- Provide opportunities to better understand the impact of diverse cultures in historical context on individual and group behavior.

Degrees: Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing.

Students pursuing this degree should plan their programs at Walla Walla Community College in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Preparation for Success: History is a study that emphasizes interpreting past human experiences through evidence such as written record and cultural materials. As such it is a useful to take additional course in the social sciences and humanities.

Career Opportunities: History provides a wide range of career opportunities which may include: government agencies (archives, libraries, museums, parks) politics, law firms, nonprofit organizations, journalism and education.

Humanities

<http://wwcc.edu/humanities>

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Department Overview: Humanities courses (those with a HUM designation) focus on a blend of topics in art, philosophy, religion, music, theatre, film, literature, and architecture. Many of these topics are also found in specialized courses for example, literature, philosophy, music, art, and theatre in the Humanities Division, but courses with the HUM designation always involve more than one of these topics and often include material in cultural studies.

Mission: The Humanities Division seeks to enrich students' lives through exploration of the diversity of human expressions and cultures as well as to build a foundation for life-long learning - including successful future academic achievement - through writing, literature, language arts and philosophy.

Goals:

- To provide a variety of courses in order to enrich students' lives and build a foundation for lifetime learning.
- To provide students with a variety of courses that prepare them for transfer to four year institutions with academic skills needed to succeed in upper division work.
- To encourage students to explore and develop critical thinking and creative thinking.

- To help students develop and perfect writing skills.
- To assist students in appreciating, understanding, and using the terminology and concepts of each course.
- To develop increased aesthetic appreciation as well as increased cultural awareness.

Degrees: Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at Walla Walla Community College in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

John Deere Dealership Management

AAAS

<http://wwcc.edu/johndeeremanagement>

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Department Overview: The John Deere Dealership Management program is designed to enhance the competence and professionalism of new employees at John Deere dealerships. In cooperation with John Deere dealers, this program provides students an opportunity to develop an understanding of agri-business topics such as sales, marketing, management, and finance; agricultural science topics such as soil science and crop production; and mechanical information about John Deere products. Students gain knowledge through classroom lectures and discussions, and laboratory and shop experiences. Further development of skills occurs through cooperative training at sponsoring dealerships. Some distance delivery courses are available. The curriculum was designed in partnership with the John Deere Corporation and is maintained with input from an advisory committee of local and regional dealership employees and John Deere personnel.

Mission: Training the workforce to success in industry, is a journey not a destination.

Goals:

- Implement competency-based education, skill standards, and program certification.
- Create and maintain a marketing plan related to student recruitment.

- Update facilities with consideration for function and appearance.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in John Deere Dealership Management upon completion of the two-year program of study.

Industry Description: The John Deere Company is a worldwide leader in machinery manufacture. It envisions the need for highly trained technicians to repair and maintain the world's most sophisticated farm machinery. The John Deere Company has been innovative in the training and recruitment of prospective employees due to the need for trained Management, Marketing, Sales, and Service Technician personnel to work in dealerships in the United States and throughout the world. In an effort to meet this demand, partnerships have been developed with educational institutions.

Entrance Requirements: Students can enter this program during the fall or winter quarters of every even numbered year. Since considerable time is spent at the dealership, the program requires the student to have a sponsoring dealer. The main responsibility of the dealership is to provide training-related employment for the student during work experience quarters. If necessary, students can request assistance in locating a sponsoring dealer. A placement test and a mechanical reasoning test offered by the Student Development Center must be completed prior to admittance to the program.

Scholarships: The John Deere Program at Walla Walla Community College offers several scholarships to students in John Deere programs. The amounts of these scholarships vary between \$250 and \$500. These scholarships are not based upon student financial need, but on the student's previous academic performance, references, and response to question on the scholarship application. The scholarship committee determines award recipients from leadership abilities and academic potential.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in John Deere Dealership Management

This technical degree allows the student to earn an Associate in Applied Arts and Sciences Degree, and then transfer to Washington State University to complete a Bachelor of Science Degree. John Deere Dealership Management students receive an education in Management and Technology along with specialized, paid on-the-job internships in technical and business management duties at a participating dealership.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions. An articulation agreement between WWCC and WSU gives students who complete this degree junior transfer status for completion of the Bachelor of Science Degree in Agriculture.

Year One

| Quarter One | Credits |
|---|-----------|
| AGPR 201, Basic Soil Science | 5 |
| AGPR 299, Leadership (L) | 1 |
| AGRI 108, Computers in Agriculture | 5 |
| ENG 101, English Composition I (W) | 5 |
| JDAS 101, John Deere Fundamentals and Orientation | 1 |
| JDAS 110, John Deere Theory of Engine Operations | 2 |
| JDAS 135, John Deere Tractor Performance | 2 |
| Total Credits..... | 21 |

| Quarter Two | Credits |
|---|-----------|
| JDAS 190, Cooperative Work Experience I | 16 |
| Total Credits..... | 16 |

| Quarter Three | Credits |
|---|-----------|
| AGRI 211, Agri-Business Management | 5 |
| JDAS 115, John Deere Electrical | 3 |
| MATH 121, Survey of Calculus (M)* | 5 |
| PSY 101, Introduction to Psychology (R) | 5 |
| SPCH 101, Fundamentals of Speech (O) | 5 |
| Total Credits..... | 23 |

| Quarter Four | Credits |
|--|-----------|
| JDAS 191, Cooperative Work Experience II** | 16 |
| Total Credits..... | 16 |
| Year One Total..... | 76 |

Year Two

| Quarter One | Credits |
|--|-----------|
| AGPR 100, Orientation to Agriculture (J) | 3 |
| AGRI 102, Farm Records and Analysis | 5 |
| AGRI 202, Microeconomics in Agriculture | 5 |
| BIO 110, Survey of Biology | 5 |
| JDAS 205, John Deere Hydraulics | 3 |
| Total Credits..... | 21 |

| Quarter Two | Credits |
|--|-----------|
| AGRI 210, Agricultural Sales and Service | 3 |
| AGRI 221, Agricultural Marketing | 5 |
| ECON 201, Fundamentals of Macroeconomics | 5 |
| Humanities Elective | 5 |
| JDAS 290, Cooperative Work Experience III ** | 5 |
| Total Credits..... | 23 |

| Quarter Three | Credits |
|---|------------|
| AGPR 140, Agriculture Safety and Health | 3 |
| AGPR 215, Field Crop Production | 5 |
| AGRI 220, Agricultural Finance | 5 |
| AGRI 222, Agricultural Policy | 5 |
| JDAS 221, Ag Management Solutions | 1 |
| JDAS 225, John Deere Planting Equipment | 1 |
| JDAS 230, John Deere Harvesting Equipment | 2 |
| Total Credits..... | 22 |
| Year Two Total..... | 66 |
| Grand Total..... | 142 |

EPC: 110B

* Depending upon placement test results, the student may need to take lower level math courses before enrolling in required math courses.

** JDAS 290 is listed during Winter Quarter but the work experience will

take place in two separate periods for a total of 4 weeks. The first period (3 weeks in length) will begin at the end of Fall Quarter. The second work experience (one week in length) will take place during Spring Break.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - AGPR 100

(W) - ENG 101

(L) - AGPR 299

(M) - MATH 121, MATH 201

(O) - SPCH 101

(R) - PSY 101

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

John Deere Technology

AAAS

<http://wwcc.edu/johndeere>

| | | |
|-----------------|--------------|----------------------------|
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| Les Echtenkamp | 509.527.4560 | leslie.echtenkamp@wwcc.edu |
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Department Overview: The John Deere program is an educational experience designed to upgrade the technical competence and professional skills of incoming John Deere employees and enhance the skills of existing John Deere personnel. The program consists of classroom lecture and laboratory experiences on actual John Deere products and includes a unique paid cooperative work experience for students at a John Deere dealership. The curriculum was designed in partnership with the John Deere Corporation and is maintained with input from an advisory committee of local and regional dealership employees and John Deere personnel.

Mission: Training the workforce to success in industry, is a journey not a destination.

Goals:

- Implement competency-based education, skill standards, and program certification.
- Create and maintain a marketing plan related to student recruitment.
- Update facilities with consideration for function and appearance.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in John Deere Technology upon completion of the two-year program of study.

Industry Description: The John Deere Company is a worldwide leader in machinery manufacture. It envisions the need for highly trained technicians to repair and maintain the world's most sophisticated farm machinery. The John Deere Company has

JOHN DEERE TECHNOLOGY/LIBRARY

been innovative in the training and recruitment of prospective employees due to the need for trained Management, Marketing, Sales, and Service Technician personnel to work in dealerships in the United States and throughout the world. In an effort to meet this demand, partnerships have been developed with educational institutions.

Entrance Requirements: Students can enter this program during the fall or winter quarters of every even numbered year. Since considerable time is spent at the dealership, the program requires the student to have a sponsoring dealer. The main responsibility of the dealership is to provide training-related employment for the student during work experience quarters. If necessary, students can request assistance in locating a sponsoring dealer. A placement test and a mechanical reasoning test offered by the Student Development Center must be completed prior to admittance to the program.

Scholarships: The John Deere Program at Walla Walla Community College offers several scholarships to students in John Deere programs. The amounts of these scholarships vary between \$250 and \$500. These scholarships are not based upon student financial need, but on the student's previous academic performance, references, and response to question on the scholarship application. The scholarship committee determines award recipients from leadership abilities and academic potential.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in John Deere Technology

This technical degree is a two-year mechanics program designed to upgrade the technical competence and professional level of the incoming dealer technician. The degree involves classroom lecture and laboratory experiences with John Deere products on the campus and a unique paid work experience for students at a John Deere sponsoring dealership.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|---|-----------|
| AGPR 140, Agriculture Safety and Health..... | 3 |
| JD 101, John Deere Fundamentals and Orientation | 3 |
| JD 110, John Deere Theory of Engine Operations | 3 |
| JD 130, John Deere Engine Repair | 6 |
| JD 135, John Deere Tractor Performance..... | 3 |
| MATH 049, Mathematics I (M) | 5 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 26 |

| Quarter Two | Credits |
|---|-----------|
| JD 190, Cooperative Work Experience I | 16 |
| Total Credits..... | 16 |

| Quarter Three | Credits |
|---|-----------|
| JD 115, John Deere Electrical | 8 |
| JD 120, John Deere Heating and Air Conditioning..... | 4 |
| JD 125, John Deere Diesel and Gasoline Fuel Systems | 4 |
| OCSUP 102, Oral Communication in the Workplace (O)..... | 3 |
| WELD 141, Welding Basics..... | 4 |
| Total Credits..... | 23 |

| Quarter Four | Credits |
|--|-----------|
| JD 191, Cooperative Work Experience II | 16 |
| Total Credits..... | 16 |
| Year One Total..... | 81 |

Year Two

| Quarter One | Credits |
|---|-----------|
| JD 205, John Deere Hydraulics..... | 9 |
| JD 210, John Deere Power Train..... | 9 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R) | 3 |
| Total Credits..... | 21 |

| Quarter Two | Credits |
|---|-----------|
| JD 290, Cooperative Work Experience III | 16 |
| Total Credits..... | 16 |

| Quarter Three | Credits |
|---|------------|
| AGPR 100, Orientation to Agriculture (J) | 3 |
| JD 215, John Deere Cab/Chassis Electrical and Electronics | 4 |
| JD 221, Ag Management Solutions | 2 |
| JD 225, John Deere Planting Equipment | 3 |
| JD 230, John Deere Harvesting Equipment | 4 |
| JD 235, John Deere Advanced Hydraulics II | 4 |
| JD 240, John Deere Advanced Power Train II | 4 |
| OCSUP 299, Principles of Leadership (L)..... | 1 |
| Total Credits..... | 25 |
| Year Two Total..... | 62 |
| Grand Total..... | 143 |

EPC: 125J

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - AGPR 100, OCSUP 103, PSY 140

(W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - AGPR 299, BA 192, OCSUP 299, PSCI 125

(M) - MATH 049, OCSUP 106

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 157, OCSUP 101, PSY 101, PSY 111, WMGT 192, WMGT 292

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Library

<http://wwcc.edu/library>

Jennifer Stutesman 509.527.3674 jennifer.stutesman@wwcc.edu

Department Overview: The Library Department provides instructional resources and services to students, faculty, staff, and community patrons. Its resources are appropriate to the curriculum in both format and content. Its collections are well-organized and easily available, its technology is current, and its service is fast, courteous and knowledgeable.

Instruction in using the library is provided through individual consultation, to courses, or to students who enroll in LIB 110, Introduction to Information Resources.

Other Information: Materials can be accessed in person, on-line, through inter-library loan, and through the Walnet system. Individuals may learn about resources and opportunities by taking LIB courses.

Literature

<http://wwcc.edu/literature>

| | | |
|-------------------------|--------------|--|
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| Jennifer Boyden | 509.524.5154 | jennifer.boyden@wwcc.edu |
| Michael Kiefel | 509.527.4640 | michael.kiefel@wwcc.edu |
| Brad La Fran | 509.527.3682 | russell.lafran@wwcc.edu |
| Virginia McConnell- Clk | 509.758.1709 | virginia.mcconnell@wwcc.edu |

Department Overview: The study of Literature at WWCC helps students better understand and appreciate the English language and its literature. Offerings in literature include courses that introduce students to fiction, poetry, and non-fiction. All literature courses examine the richness of voices and expressions present in a wide diversity of literary work.

Mission: The Humanities Division seeks to enrich students' lives through exploration of the diversity of human expressions and cultures as well as to build a foundation for life-long learning - including successful future academic achievement - through writing, literature, language arts and philosophy.

Goals:

- To provide a variety of courses in order to enrich students' lives and build a foundation for lifetime learning.
- To provide students with a variety of courses that prepare them for transfer to four year institutions with academic skills needed to succeed in upper division work.
- To encourage students to explore and develop critical thinking and creative thinking.
- To help students develop and perfect writing skills.
- To assist students in appreciating, understanding, and using the terminology and concepts of each course.
- To develop increased aesthetic appreciation as well as increased cultural awareness.

Degrees: Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at Walla Walla Community College in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa

of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Preparation for Success: The most important courses for a future Literature major are Introduction to Literature (LIT 140) and Introduction to Fiction (LIT 141). American Literature (LIT 245) and World Literature (LIT 265) are also very important.

Students interested in a major in Literature should take courses in history, philosophy, and creative writing. Word processing is an essential skill for the Literature major.

Career Opportunities: A college degree in Literature, communications, or journalism is generally required for a position as a writer or editor. Writers and editors must be able to express ideas clearly and logically and should love to write. Creativity, curiosity, a broad range of knowledge, self-motivation, and perseverance also are valuable. Writers and editors must demonstrate good judgment and a strong sense of ethics in deciding what material to publish. Editors also need tact and the ability to guide and encourage others in their work.

Mathematics - Pre-College

<http://wwcc.edu/math>

| | | |
|-----------------|--------------|--|
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Department Overview: College preparation courses provide an environment that assists students in learning and practicing skills that lead to academic and occupational success. Courses included are in the areas of reading, writing, mathematics and study skills. Students who complete college preparation courses normally experience higher skill achievement and greater earning power.

The number of quarters required to complete the college preparation coursework is dependent upon the individuals' entrance examination scores. A student is typically co-enrolled in an AAAS or AA Degree program.

Mathematics

<http://wwcc.edu/math>

| | | |
|---------------------|--------------|--|
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Department Overview: Mathematics is important in virtually every field of study. The purpose of the mathematics department is to offer courses to a wide variety of students. The courses offered in the math department are meant to satisfy the needs of both majors and non-majors in

MATHEMATICS/MUSIC

mathematics. They provide basic instruction for students interested in a broad educational experience.

The general student will find preparatory courses in introductory algebra, intermediate algebra, precalculus and traditional mathematics courses such as finite mathematics, calculus, and statistics. The department strives to offer learning experiences that reflect the latest current teaching methodologies and implements current technological innovations and tools.

Mission: To inspire, motivate, and support students in the development of their mathematical knowledge. To help students deepen their understanding of the significance of mathematics in our world and in their life goals.

Goals:

- To prepare students to transfer to four-year institutions.
- To incorporate critical thinking experiences in each of the course offerings.
- To provide a wide range of courses satisfying the Quantitative Skills requirement for degrees offered by the college.
- To demonstrate that mathematics is not simply memorize and repeat discipline (skill and drill).
- To ensure that our course offerings/content remain current and relevant.
- To ensure that our faculty in the division are fully qualified and accessible to students.

Degrees: Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at Walla Walla Community College in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Entrance Requirements: Students must take a placement test to determine enrollment level.

Preparation for Success: High school students interested in a major in Mathematics should take four years of high school mathematics including a year of mathematics their senior year. Those planning to take a math course in college should also take a full year of mathematics as a senior. Taking four years of math is highly recommended for all high school students.

Career Opportunities: Mathematics is the foundation upon which many other academic disciplines are built.

Mathematics is used extensively in physics, statistics, engineering, and operations research. Many other fields, such as, chemistry, business and industrial management, economics, finance, geology, life sciences, and behavioral sciences are also dependent on mathematics. Some professionals, including statisticians and operations research analysts, are specialists in a particular branch of mathematics. Some pursue a graduate degree in mathematics to prepare themselves for research in the field of mathematics.

Other Information: The Math Lab located in the Learning Center is a great place for students to work on math, whether or not they need help. The Math Lab is a comfortable and supportive atmosphere for students to come together and study, in groups or individually. There are tutors available to answer questions. The Math Lab does not provide long blocks of uninterrupted one-on-one tutoring.

Music

<http://wwcc.edu/music>

Tom Simon

509.527.4690

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Department Overview: The Music Department provides instruction in music appreciation and history, instrumental and vocal performance, and theory. These courses are designed for students who wish to develop a greater appreciation for music or learn and improve musical skills as well as those who plan to pursue a music degree at a four year college or university.

Mission: As part of the Humanities Division, the Art Department shares the mission of the other performing and fine arts: to inspire students to discover their potential and to achieve their goals in speech communications, fine arts, drama, and music by providing a wide variety of guided presentation and performance opportunities, a nurturing and challenging atmosphere, and challenging standards of instruction aimed especially for small groups and individuals.

Goals:

- To provide learning opportunities and challenges for students planning to transfer to baccalaureate institutions for the purpose of pursuing major studies in Fine Arts.
- To provide learning opportunities and challenges for students wishing to fulfill recreational interests in Fine Arts.
- To enrich Fine Arts opportunities offered and available to the people of the WWCC service area.
- To provide learning opportunities and challenges for students wishing to pursue occupational and professional careers in Fine Arts.
- To guide and nurture students' development as emphatic and critical audience/responders to the Fine Arts of their

peers as well as those forms of expression that have stood the test of time and public scrutiny.

- To encourage openness to diverse ways of cultural expression as manifested in the Fine Arts.
- To encourage life-long learning and expression in the Fine Arts.
- To provide instruction in the fundamentals of public speaking.

Degrees: Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at Walla Walla Community College in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Entrance Requirements: There are audition and non-audition opportunities in vocal and instrumental music.

Preparation for Success: Student interested in a music major at a four year college or university should take courses in music theory, music appreciation and history, composition, conducting, and performance in a particular instrument or in voice.

Career Opportunities: Many colleges, universities, and music conservatories grant degrees in music. A master's or doctoral degree usually is required to teach music courses in colleges and universities. A degree in music education qualifies graduates for a state certificate to teach music in public elementary or secondary schools. Musicians also teach in private schools and recreation associations or instruct individual students in private sessions.

Nursing

ADN, CERTIFICATE

<http://wwcc.edu/nursing>

| | | |
|----------------------|--------------|--|
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| Kimberly Heroff- Clk | 509.758.1705 | kimberly.heroff@wwcc.edu |
| Carol McFadyen- Clk | 509.758.1728 | carol.mcfadyen@wwcc.edu |
| Julie Quillen- Clk | 509.758.1787 | julie.quillen@wwcc.edu |

Department Overview: The Nursing program at WWCC is approved by the Washington State Nursing Care Quality Assurance Commission and accredited by the National League for Nursing, Accrediting Commission (NLNAC), 61 Broadway, 33rd Floor, New York, NY 10006, phone (212) 989-9393, www.nln.org.

Mission: The nursing program operates within the framework of Walla Walla Community College and shows evidence of endorsing the mission of Walla Walla Community College by providing an opportunity for students to discover their potential and achieve their goals. The mission of the nursing program is to promote the art and science of nursing by developing professional, caring and competent nurses who are dedicated to enhancing the wellness of society.

Students enter the Walla Walla Community College Nursing Program with diverse backgrounds. Nursing education is a progressive process that allows students multiple entry and exit options. Through the educational process, students are socialized into the profession of nursing. At the completion of the nursing program, the graduate is prepared to perform in entry-level nursing positions in a variety of health care settings.

Nursing practice is an art and science based upon the foundational concepts of caring for ones-self and others, thinking skills, and professional behaviors. Nurses practice in a variety of settings to fulfill the roles of Providers of Care, Manager of Care and Member of the Discipline of Nursing in promoting, maintaining or restoring client's health.

Critical thinking is the foundation of the program of learning. Nurses must be able to think critically to problem solve and to identify the best solution to meet a client's needs. The nursing process is the approach to critical thinking endorsed by the profession and it is one way critical thinking is actualized in the curriculum.

Caring is the essence of nursing. Caring encompasses those nursing attitudes and interventions that assist the client to move toward a desired outcome. Nursing practice provides service to society through caring behaviors for individuals of all ages, families and groups. Each individual or family is viewed through the concept of wholeness, which is complete only when the physical, psychosocial, cultural and spiritual dimensions are considered. Nursing interventions may be nurse initiated, physician initiated, or collaborative.

Professional behaviors are characterized by accountability and responsibility for competent nursing practice. Nurses practice within legal, ethical, and regulatory frameworks of health care and must adhere to the standards of nursing practice. Professional behaviors demonstrate awareness of the impact of economic, social, demographic, and political processes upon nursing practice. The graduate collaborates with peers and other health care team members to meet client needs that exceed the graduate's current level of knowledge or experience.

NURSING

Learning is a dynamic, interactive process that is accomplished best when a mix of cognitive, psychomotor and affective skills is provided in the program of learning. The faculty prepare students for life-long learning to meet the continually evolving nature of nursing practice and the health care delivery system. Faculty function as learning facilitators, professional role models and evaluators of student performance. Current practicum knowledge and expertise is essential for faculty to be competent in the classroom and practicum settings. Faculty maintain professional relationships within the academic community at WWCC and the health care community at-large.

Degrees: The Nursing program encompasses two professional levels of nursing: Practical Nursing and Associate Degree Nursing. The college also has a NA (Nursing Assistant) program (see Allied Health). Graduates, upon successful completion of the licensing examination, may practice at the designated level.

The Practical Nurse is able to recognize and meet the basic needs of the client while providing nursing care under the direction and supervision of a registered nurse or licensed physician in routine nursing situations. Students who complete the first year courses and additional coursework in the summer quarter are eligible to take the National Council Licensure Examination (NCLEX) for Practical Nursing. If successful, they are licensed as practical nurses (LPN).

The Associate Degree Nurse (ADN) utilizes the nursing process to provide and/or supervise client care while maintaining responsibility and accountability for the quality of nursing care provided in complex and varied situations. Graduates who complete the ADN program are eligible to take the National Council Licensure Examination (NCLEX) for Registered Nursing. If successful, they are licensed as Registered Nurses (RN).

Industry Description: Nursing is the largest health care profession, nationally, regionally and locally. Employment for RNs will grow faster than all occupations through 2012. There will always be a need for nurses in hospitals, but an increasing number of nurses will be employed in home health, long-term care, and ambulatory care settings.

Entrance Requirements: Any student may prepare for nursing admission by meeting the minimum program requirements outlined below:

Satisfactory Cumulative Grade Point Average - Demonstrated by a 2.5 High School GPA or 2.0 College GPA.

Chemistry Competence - Completion of one year of high school chemistry within the past five years or a five credit college level introductory chemistry course. Grade must be 2.0 or higher.

Completion of the Placement Tests offered by WWCC's Student Development Center:

- English Competence - Eligible to enter English 101 Composition
- Mathematics Competence - Eligible to enter Math 095, Intermediate Algebra or completion of Mathematics 065 Introductory Algebra (C- or higher)
- Biology Competence - Eligible to enter Biology 210, Anatomy & Physiology I or completion of Biology 151 Cell Biology (C or higher)

Other Information: The Nursing program strongly encourages students to complete as many of the nursing support courses as possible before entrance into the Nursing program. These courses provide points toward admission.

For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate Degree Nursing

Associate Degree Nursing

This degree utilizes the nursing process to provide and/or supervise client care while maintaining responsibility and accountability for the quality of nursing care provided in complex and varied situations. Graduates who complete the ADN program are eligible to take the National Council Licensure Examination (NCLEX-RN) for Registered Nursing. If successful, they are licensed as registered nurses (RN).

Transferability: WWCC has adapted the Washington State Articulation Plan to increase educational mobility for nurses interested in transferring to a baccalaureate institution in the State of Washington.

Year One

| Quarter One | Credits |
|---------------------------------------|-----------|
| ENG 101, English Composition I * | 5 |
| NURS 100, Fundamentals of Nursing | 6 |
| NURS 110, Fundamentals Practicum | 4 |
| NURS 196, Professional Development I | 1 |
| PSY 101, Introduction to Psychology * | 5 |
| Total Credits | 21 |

| Quarter Two | Credits |
|---|-----------|
| BIO 210, Human Anatomy and Physiology I * | 5 |
| NURS 101, Beginning Nursing Concepts I | 6 |
| NURS 111, Practicum I | 4 |
| PSY 103, Developmental Psychology * | 5 |
| Total Credits | 20 |

| Quarter Three | Credits |
|--|-----------|
| BIO 211, Human Anatomy and Physiology II * | 5 |
| Physical Education Elective* | 1 |
| FCS 165, General Nutrition * | 5 |
| NURS 102, Beginning Nursing Concepts II | 6 |
| NURS 112, Practicum II | 4 |
| NURS 197, Professional Development II | 1 |
| Total Credits | 22 |
| Year One Total | 63 |

Year Two

| Quarter One | Credits |
|---------------------------------------|----------------|
| BIO 230, Microbiology * | 5 |
| NURS 200, Advanced Nursing Concepts I | 7 |
| NURS 210, Practicum III | 6 |
| Total Credits | 18 |

| Quarter Two | Credits |
|---|----------------|
| Humanities Elective | 3 |
| NURS 201, Advanced Nursing Concepts II | 6 |
| NURS 211, Practicum IV | 6 |
| NURS 232, Professional Development III | 1 |
| SPCH 102, Oral Communications and Interpersonal Relationships * | 3 |
| Total Credits | 19 |

| Quarter Three | Credits |
|---|----------------|
| Physical Education Elective* | 1 |
| NURS 202, Advanced Nursing Concepts III | 7 |
| NURS 212, Practicum V | 6 |
| Total Credits | 14 |
| Year Two Total | 51 |
| Grand Total | 114 |

EPC: 323

* Required general education classes (indicated by *) may be taken prior or concurrent with nursing classes; but must be completed with a C grade or better by the designated quarter.

Certificates

Certificate

Practical Nursing

The Practical Nurse is able to recognize and meet the basic needs of the client while providing nursing care under the direction and supervision of a registered nurse or licensed physician in routine nursing situations. Students who complete the first year ADN courses and additional coursework in the summer quarter are eligible to take the National Council Licensure Examination for Practical Nursing (NCLEX-PN). If successful, they are licensed as practical nurses (LPN).

Year One

| Quarter One | Credits |
|---------------------------------------|----------------|
| ENG 101, English Composition I * | 5 |
| NURS 100, Fundamentals of Nursing | 6 |
| NURS 110, Fundamentals Practicum | 4 |
| NURS 196, Professional Development I | 1 |
| PSY 101, Introduction to Psychology * | 5 |
| Total Credits | 21 |

| Quarter Two | Credits |
|---|----------------|
| BIO 210, Human Anatomy and Physiology I * | 5 |
| NURS 101, Beginning Nursing Concepts I | 6 |
| NURS 111, Practicum I | 4 |
| PSY 103, Developmental Psychology * | 5 |
| Total Credits | 20 |

| Quarter Three | Credits |
|--|----------------|
| BIO 211, Human Anatomy and Physiology II * | 5 |
| Physical Education Elective* | 1 |
| FCS 165, General Nutrition * | 5 |
| NURS 102, Beginning Nursing Concepts II | 6 |
| NURS 112, Practicum II | 4 |
| NURS 197, Professional Development II | 1 |
| Total Credits | 22 |

Quarter Four**Credits**

| | |
|--|-----------|
| NURS 103, Practical Nursing* or NURS 104, LPN to ADN Transition** | 5 |
| NURS 113, Practical Nursing Practicum* or NURS 114, Practicum: LPN to ADN Transition** | 7 |
| Total Credits | 12 |
| Year One Total | 75 |
| Grand Total | 75 |

EPC: 326

* Practical Nursing Certificate requires completion of summer quarter. The Associate Degree Nursing degree does not require summer quarter.

** LPN Advanced Placement students who have been out of school for more than 2 years are required to enroll in NURS 104 and 114 (Summer Quarter). Courses are pass/fail.

Occupational Support

<http://wwcc.edu/ocsup>

| | | |
|------------------------|--------------|----------------------------|
| Michael Hays | 509.527.4230 | michael.hays@wwcc.edu |
| Jennifer Smiley | 509.527.4247 | jennifer.smiley@wwcc.edu |
| Chad Miltenberger- Clk | 509.527.4247 | chad.miltenberger@wwcc.edu |

Department Overview: Occupational Support provides a series of courses in related instruction to include: communications, mathematics, and career planning that is designed to improve the students' opportunities in obtaining, maintaining, and advancing in their areas of employment.

Degrees: To meet the completion requirements of the AAAS degree, students are required to complete a minimum of 18 credit hours of related instruction. The Occupational Support courses are included in the related instruction requirements. Students may elect to take identified optional courses or advanced courses of instruction with advisor approval.

Industry Description: The demand for professional-technical graduates who meet both institutional and national standard certification requirements is increasing steadily as employers strive to compete in the ever-changing marketplace. Research confirms that individuals completing training programs and the related national certification training receive higher rates of compensation, experience reduced chances of layoff, and advance in their chosen career field at a higher rate. Occupational Support courses include: applied math, human relations, job seeking skills, job psychology, communications, and spelling.

Entrance Requirements: A placement test offered by the Student Development Center must be completed prior to enrolling in OCSUP courses.

Oceanography

<http://www.wvcc.edu/oceanography>

Mike Mahan

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michael.mahan@wvcc.edu

Department Overview: Oceanography is the study of the world's oceans and coastal waters. More specifically it is the study of motion and circulation of the ocean waters; the physical and chemical properties of the oceans; and how these properties affect coastal areas, climate, and weather.

Mission: To provide students with a diverse array of physical and life science classes through which they will develop an increased awareness and understanding of scientific knowledge and the scientific method of investigation by which this knowledge has been gained.

Goals:

- To offer a variety of introductory science classes which fulfill the necessary Natural Science graduation requirements for all AA transfer students.
- To assist non-science majors in becoming more scientifically literate.
- To provide science majors with the foundation knowledge they will need in order to successfully continue on to upper level courses; either at WVCC or at a transfer institution.
- To offer comprehensive sequences of lower division science classes in a variety of disciplines which provide science majors with a solid one or two years of preparation in their chosen field comparable to what they would receive in the first two years as a resident student at a transfer institution.
- To provide pre-professional (nursing, dentistry, optometry, physical therapy, etc.) students with the first two years of course work necessary for entrance in most Allied Health related programs.

Degrees: Students may earn an Associate in Science (AS) Degree, which is designed for those who complete a 93 credit program that is parallel with the first two years of a baccalaureate institution to which they intend to transfer. A cumulative gpa of 2.0 or higher is required for successful completion of this degree.

Coursework is concentrated in specific mathematics and sciences requirements. Additional coursework in general education, humanities and social sciences will be required at the transfer institution. Some remaining general education requirements may be satisfied with upper division courses. Students need to meet with department advisors at the baccalaureate institution to determine appropriate educational plan.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses

numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Preparation for Success: Students interested in a major in Oceanography should take courses in natural sciences, with an emphasis on biology, chemistry and geology. The ability to utilize computers is also essential.

Career Opportunities: Environmental scientists (Oceanographers) and often begin their careers in field exploration or as research assistants or technicians in laboratories or offices. They are given more difficult assignments as they gain experience. Eventually, they may be promoted to project leader, program manager, or some other management and research position.

A bachelor's degree is adequate for a few entry-level positions, but environmental scientists and geoscientists increasingly need a master's degree in a natural science. A master's degree also is the minimum educational requirement for most entry-level research positions in private industry, Federal agencies, and State geological surveys. A doctoral degree is necessary for most high-level research positions.

Office Technology

AAAS, CERTIFICATE

<http://www.wvcc.edu/office>

| | | |
|----------------------|--------------|--------------------------|
| Dan Biagi | 509.527.4235 | daniel.biagi@wvcc.edu |
| Krista Mahan | 509.527.4233 | krista.mahan@wvcc.edu |
| Susan Quinn | 509.527.4232 | susan.quinn@wvcc.edu |
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| Lisa Greenville- Clk | 509.758.1715 | lisa.greenville@wvcc.edu |
| Linda Lane- Clk | 509.758.1724 | linda.lane@wvcc.edu |

Department Overview: Office Technology provides training that integrates career related subject knowledge with computer applications pertinent to today's automated office. Today's office worker encounters an interesting mixture of work, realizes regularly increasing responsibility, and often finds opportunity for advancement. Part-time and full-time employment opportunities are available in a variety of office settings and locations. Taught through a combination of lecture, lab and cooperative training opportunities, Office Technology curriculum is reviewed by an advisory board composed of local and regional industry members.

Mission: Because we believe the most critical factor of success is confidence, we make every effort to foster self-esteem throughout the department, empowering students to perform successfully in business-related careers and/or at the baccalaureate level.

Goals:

- Program completers will demonstrate technical competency in core ability and related instruction curriculum components.
- Students who have declared a program major will complete that program of study.
- Student and employer satisfaction will reflect a high degree of self-esteem, self-confidence, and the potential to grow within that job or business.
- Students completing the AAAS degree will become employed in a living wage job, with benefits.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in each of four key areas of office technology: Executive Administrative Assistant, Financial Administrative Assistant, Legal Administrative Assistant or Medical Administrative Assistant. Certificates in: Office Assistant, Legal Administrative Assistant, Medical Billing and Coding or Medical Transcription are also available.

Industry Description: As the reliance on technology continues to expand in offices across the nation, the role of the office professional continues to evolve. Office automation and organizational restructuring have led secretaries and administrative assistants to assume a wider range of responsibilities once reserved for managerial and professional staff. Secretaries and administrative assistants are responsible for a variety of administrative and clerical duties necessary to run an organization efficiently. They serve as an information manager for an office, plan and schedule meetings and appointments, organize and maintain paper and electronic files, manage projects, conduct research, and provide information by using the telephone, postal mail, and e-mail. Medical assistants perform many administrative duties, including answering telephones, greeting patients, updating and filing patients' medical records, filling out insurance forms, handling correspondence, scheduling appointments, arranging for hospital admission and laboratory services, and handling billing and bookkeeping.

Entrance Requirements: Students may begin their study in these programs in fall, winter or spring quarters. However, due to course sequencing and course prerequisites, it is preferable to begin in the fall quarter. A placement test offered by the Student Development Center must be completed prior to admittance to the program.

Other Information: For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Executive Administrative Assistant

This technical degree prepares the student for immediate employment in an executive administrative environment. The coursework is also appropriate for individuals interested in improving their current skills and knowledge in the business setting.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|---|-----------|
| BA 136, Business Communications I | 5 |
| OT 122, Records Management..... | 5 |
| OT 125, Introduction to Word Processing | 5 |
| OT 218, Desktop Calculator..... | 5 |
| Total Credits..... | 20 |

Quarter Two

| | Credits |
|---|-----------|
| ACCT 201, Principles of Accounting I *..... | 5 |
| CT 121, Computer Software Principles | 5 |
| OT 120, Document Editing..... | 5 |
| OT 126, Intermediate Word Processing..... | 5 |
| Total Credits..... | 20 |

Quarter Three

| | Credits |
|--|-----------|
| BA 112, Business Mathematics (M)..... | 5 |
| BA 137, Business Communications II (W)..... | 5 |
| BA 217, Computer Software Applications..... | 5 |
| OT 128, Voice Processing and MOUS Certification..... | 5 |
| OT 222, Records Management II | 5 |
| Total Credits..... | 25 |
| Year One Total..... | 65 |

Year Two

| Quarter One | Credits |
|--|--------------|
| BA 157, Human Relations in Business (R)..... | 5 |
| BA 181, Cooperative Work Experience I..... | 2 - 5 |
| BA 182, Business Leadership Seminar I | 3 |
| BA 251, Introduction to Business Law I | 5 |
| SPCH 102, Oral Communications and Interpersonal Relationships (O)..... | 3 |
| Total Credits..... | 18-21 |

Quarter Two

| | Credits |
|---|--------------|
| BA 102, Customer Service | 5 |
| BA 191, Cooperative Work Experience II..... | 2 - 5 |
| BA 192, Business Leadership Seminar II (L)..... | 3 |
| OT 115, Specialized Transcription I | 5 |
| OT 127, Word Processing Applications | 5 |
| Total Credits..... | 20-23 |

Quarter Three

| | Credits |
|---|----------------|
| BA 291, Cooperative Work Experience III..... | 2 - 5 |
| BA 292, Business Leadership Seminar III (J) | 3 |
| DIT 200, Desktop Publishing..... | 5 |
| OT 200, Office Simulation | 5 |
| Total Credits..... | 15-18 |
| Year Two Total..... | 53-62 |
| Grand Total..... | 118-127 |

EPC: 547

OFFICE TECHNOLOGY

*ACCT 201, Principles of Accounting or OT 161, Practical Accounting meet the accounting requirement for this degree.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - BA 292

(W) - BA 137

(L) - BA 192

(M) - BA 112

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 102, BA 157

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Financial Administrative Assistant

This technical degree prepares the student for immediate employment in a financial office environment. The coursework is also appropriate for individuals interested in improving their current skills and knowledge in the financial office setting.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|---|-----------|
| BA 112, Business Mathematics (M)..... | 5 |
| BA 136, Business Communications I | 5 |
| OT 122, Records Management | 5 |
| OT 125, Introduction to Word Processing | 5 |
| Total Credits..... | 20 |

| Quarter Two | Credits |
|---|-----------|
| ACCT 201, Principles of Accounting I *..... | 5 |
| CT 121, Computer Software Principles | 5 |
| OT 120, Document Editing..... | 5 |
| OT 126, Intermediate Word Processing | 5 |
| Total Credits..... | 20 |

| Quarter Three | Credits |
|---|-----------|
| ACCT 202, Principles of Accounting II | 5 |
| BA 137, Business Communications II (W)..... | 5 |
| BA 217, Computer Software Applications..... | 5 |
| OT 222, Records Management II | 5 |
| Total Credits..... | 20 |
| Year One Total..... | 60 |

Year Two

| Quarter One | Credits |
|--|--------------|
| BA 157, Human Relations in Business (R)..... | 5 |
| BA 181, Cooperative Work Experience I..... | 2 - 5 |
| BA 182, Business Leadership Seminar I | 3 |
| BA 251, Introduction to Business Law I | 5 |
| OT 218, Desktop Calculator..... | 5 |
| Total Credits..... | 20-23 |

Quarter Two

| | |
|--|--------------|
| BA 102, Customer Service | 5 |
| BA 191, Cooperative Work Experience II..... | 2 - 5 |
| BA 192, Business Leadership Seminar II (L)..... | 3 |
| OT 128, Voice Processing and MOUS Certification..... | 5 |
| SPCH 102, Oral Communications and Interpersonal Relationships (O)..... | 3 |
| Total Credits..... | 18-21 |

Quarter Three

| | |
|--|----------------|
| ACCT 115, Integrated Computer Applications for Accounting..... | 5 |
| ACCT 175, Payroll Accounting..... | 5 |
| BA 291, Cooperative Work Experience III..... | 2 - 5 |
| BA 292, Business Leadership Seminar III (J) | 3 |
| OT 200, Office Simulation | 5 |
| Total Credits..... | 20-23 |
| Year Two Total..... | 58-67 |
| Grand Total..... | 118-127 |

EPC: 267

*ACCT 201, Principles of Accounting or OT 161, Practical Accounting meet the accounting requirement for this degree.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - BA 292

(W) - BA 137

(L) - BA 192

(M) - BA 112

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 102, BA 157

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Medical Administrative Assistant

This technical degree prepares the student for immediate employment in a medical administrative environment. The coursework is also appropriate for individuals interested in improving their current skills and knowledge in the medical office setting.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|---|-----------|
| BA 136, Business Communications I | 5 |
| BA 157, Human Relations in Business (R)..... | 5 |
| OT 125, Introduction to Word Processing | 5 |
| OT 231, Medical Office Procedures | 5 |
| OT 280, Medical Terminology | 5 |
| Total Credits..... | 25 |

| Quarter Two | Credits |
|---------------------------------------|---------|
| BA 112, Business Mathematics (M)..... | 5 |
| OT 120, Document Editing..... | 5 |

| | |
|--|---|
| OT 126, Intermediate Word Processing | 5 |
| OT 234, Medical Coding..... | 5 |

Total Credits.....20

Quarter Three

Credits

| | |
|---|-------|
| BA 181, Cooperative Work Experience I..... | 2 - 5 |
| BA 182, Business Leadership Seminar I | 3 |
| BIO 119, Human Anatomy for Medical Office Professionals | 5 |
| CT 121, Computer Software Principles | 5 |
| OT 232, Medical Insurance Procedures..... | 5 |

Total Credits.....20-23

Year One Total.....65-68

Year Two

Quarter One

Credits

| | |
|--|---|
| ACCT 201, Principles of Accounting I * | 5 |
| OT 115, Specialized Transcription I | 5 |
| OT 122, Records Management | 5 |
| SPCH 102, Oral Communications and Interpersonal Relationships (O)..... | 3 |

Total Credits.....18

Quarter Two

Credits

| | |
|--|-------|
| BA 137, Business Communications II (W)..... | 5 |
| BA 191, Cooperative Work Experience II..... | 2 - 5 |
| BA 192, Business Leadership Seminar II (L)..... | 3 |
| OT 127, Word Processing Applications | 5 |
| OT 128, Voice Processing and MOUS Certification..... | 5 |

Total Credits.....20-23

Quarter Three

Credits

| | |
|---|-------|
| BA 291, Cooperative Work Experience III..... | 2 - 5 |
| BA 292, Business Leadership Seminar III (J) | 3 |
| OT 116, Specialized Transcription II | 5 |
| OT 200, Office Simulation | 5 |
| OT 222, Records Management II | 5 |

Total Credits.....20-23

Year Two Total.....58-64

Grand Total.....123-132

EPC: 565

* ACCT 201, Principles of Accounting or OT 161, Practical Accounting meet the accounting requirement for this degree.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - BA 292

(W) - BA 137

(L) - BA 192

(M) - BA 112

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 102, BA 157

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Legal Administrative Assistant

This technical degree prepares the student for immediate employment in a legal administrative environment. The coursework is also appropriate for individuals interested in improving their current skills and knowledge in the legal office setting.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

Quarter One

Credits

| | |
|---|---|
| BA 136, Business Communications I | 5 |
| OT 122, Records Management..... | 5 |
| OT 125, Introduction to Word Processing | 5 |
| OT 218, Desktop Calculator..... | 5 |

Total Credits.....20

Quarter Two

Credits

| | |
|--|---|
| ACCT 201, Principles of Accounting I * | 5 |
| CT 121, Computer Software Principles | 5 |
| OT 120, Document Editing..... | 5 |
| OT 126, Intermediate Word Processing..... | 5 |

Total Credits.....20

Quarter Three

Credits

| | |
|--|---|
| BA 112, Business Mathematics (M)..... | 5 |
| BA 137, Business Communications II (W)..... | 5 |
| BA 217, Computer Software Applications..... | 5 |
| OT 222, Records Management II..... | 5 |
| SPCH 102, Oral Communications and Interpersonal Relationships (O)..... | 3 |

Total Credits.....23

Year One Total.....63

Year Two

Quarter One

Credits

| | |
|--|-------|
| BA 157, Human Relations in Business (R)..... | 5 |
| BA 181, Cooperative Work Experience I..... | 2 - 5 |
| BA 182, Business Leadership Seminar I | 3 |
| BA 251, Introduction to Business Law I | 5 |
| OT 228, Legal Document Processing I..... | 5 |

Total Credits.....20-23

Quarter Two

Credits

| | |
|--|-------|
| BA 191, Cooperative Work Experience II..... | 2 - 5 |
| BA 192, Business Leadership Seminar II (L)..... | 3 |
| OT 115, Specialized Transcription I | 5 |
| OT 127, Word Processing Applications..... | 5 |
| OT 128, Voice Processing and MOUS Certification..... | 5 |

Total Credits.....20-23

Quarter Three

Credits

| | |
|---|-------|
| BA 291, Cooperative Work Experience III..... | 2 - 5 |
| BA 292, Business Leadership Seminar III (J) | 3 |
| OT 200, Office Simulation | 5 |
| OT 229, Legal Document Processing II..... | 5 |

Total Credits.....15-18

Year Two Total.....55-64

Grand Total.....118-127

EPC: 577

* ACCT 201, Principles of Accounting or OT 161, Practical Accounting meet the accounting requirement for this degree.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - BA 292

(W) - BA 137

(L) - BA 192

(M) - BA 112

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 102, BA 157

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics (O) - Oral Communications

(W) -Written Communications (R) - Human Relations

Certificates

Certificate

Legal Administrative Assistant Certificate

This certificate provides the basic skills for employment in a legal administrative environment. The coursework is also appropriate for individuals interested in improving their current skills and knowledge in the legal office setting.

Year One

| Quarter One | Credits |
|---|-----------|
| CT 121, Computer Software Principles | 5 |
| OT 122, Records Management | 5 |
| OT 125, Introduction to Word Processing | 5 |
| Total Credits..... | 15 |

| Quarter Two | Credits |
|---|-----------|
| BA 136, Business Communications I | 5 |
| BA 157, Human Relations in Business (R) | 5 |
| BA 217, Computer Software Applications | 5 |
| BA 251, Introduction to Business Law I | 5 |
| Total Credits..... | 20 |

| Quarter Three | Credits |
|--|-----------|
| BA 112, Business Mathematics (M) | 5 |
| OT 126, Intermediate Word Processing | 5 |
| OT 161, Practical Accounting | 5 |
| OT 228, Legal Document Processing I | 5 |
| Total Credits..... | 20 |
| Year One Total..... | 55 |

Year Two

| Quarter One | Credits |
|---|--------------|
| BA 181, Cooperative Work Experience I | 2 - 5 |
| BA 182, Business Leadership Seminar I | 3 |
| OT 120, Document Editing | 5 |
| OT 229, Legal Document Processing II | 5 |
| Total Credits..... | 15-18 |
| Year Two Total..... | 15-18 |
| Grand Total..... | 70-73 |

EPC: 557C

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(M) - BA 112

(R) - BA 102, BA 157

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Certificates

Certificate

Office Assistant Certificate

An Office Assistant will assist in the clerical operation of the office by transcribing and keying letters, reports, and other business correspondence. Other duties may include records management, office machine calculations, basic bookkeeping, and word processing. An Office Assistant must display good communication and interpersonal skills.

Year One

| Quarter One | Credits |
|---|-----------|
| BA 136, Business Communications I | 5 |
| CT 121, Computer Software Principles | 5 |
| OT 122, Records Management | 5 |
| OT 125, Introduction to Word Processing | 5 |
| Total Credits..... | 20 |

| Quarter Two | Credits |
|--|-----------|
| BA 112, Business Mathematics (M) | 5 |
| BA 137, Business Communications II (W) | 5 |
| OT 120, Document Editing | 5 |
| OT 126, Intermediate Word Processing | 5 |
| OT 218, Desktop Calculator | 5 |
| Total Credits..... | 25 |

| Quarter Three | Credits |
|--|-----------|
| BA 217, Computer Software Applications | 5 |
| OT 127, Word Processing Applications | 5 |
| OT 200, Office Simulation | 5 |
| OT 222, Records Management II | 5 |
| Total Credits..... | 20 |
| Year One Total..... | 65 |

Year Two

| Quarter One | Credits |
|---|--------------|
| BA 157, Human Relations in Business (R) | 5 |
| BA 181, Cooperative Work Experience I | 2 - 5 |
| BA 182, Business Leadership Seminar I | 3 |
| OT 218, Desktop Calculator | 5 |
| Total Credits..... | 15-18 |
| Year Two Total..... | 15-18 |
| Grand Total..... | 80-83 |

EPC: 559

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(W) - BA 137

(M) - BA 112

(R) - BA 157

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Certificates

Certificate

Medical Billing and Coding Certificate

This certificate provides the basic skills for employment in a medical administrative environment. The coursework is also appropriate for individuals interested in improving their current skills and knowledge in the medical office setting.

Year One

| Quarter One | Credits |
|---|-----------|
| BA 136, Business Communications I | 5 |
| BA 157, Human Relations in Business (R) | 5 |
| OT 125, Introduction to Word Processing | 5 |
| OT 231, Medical Office Procedures | 5 |
| OT 280, Medical Terminology | 5 |
| Total Credits..... | 25 |

| Quarter Two | Credits |
|--|-----------|
| BA 112, Business Mathematics (M) | 5 |
| CT 121, Computer Software Principles | 5 |
| OT 120, Document Editing | 5 |
| OT 126, Intermediate Word Processing | 5 |
| OT 234, Medical Coding | 5 |
| Total Credits..... | 25 |

| Quarter Three | Credits |
|---|--------------|
| ACCT 201, Principles of Accounting I* | 5 |
| BA 181, Cooperative Work Experience I | 2 - 5 |
| BA 182, Business Leadership Seminar I | 3 |
| BIO 119, Human Anatomy for Medical Office Professionals | 5 |
| OT 232, Medical Insurance Procedures | 5 |
| Total Credits..... | 20-23 |
| Year One Total..... | 70-73 |
| Grand Total..... | 70-73 |

EPC: 565C

*ACCT 201, Principles of Accounting or OT 161, Practical Accounting meet the accounting requirement for this degree.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(M) - BA 112

(R) - BA 102, BA 157

| | |
|-------------------------------|---------------------------|
| (J) - Job Seeking Skills | (L) - Leadership |
| (M) - Computation/Mathematics | (O) - Oral Communications |
| (W) - Written Communications | (R) - Human Relations |

Certificates

Certificate

Medical Transcription Certificate

This certificate provides the basic skills for employment in a medical administrative environment. The coursework is also appropriate for individuals interested in improving their current skills and knowledge in the medical office setting.

Year One

| Quarter One | Credits |
|---|---------|
| BA 136, Business Communications I | 5 |
| OT 125, Introduction to Word Processing | 5 |

| | |
|---|-----------|
| OT 231, Medical Office Procedures | 5 |
| OT 280, Medical Terminology | 5 |
| Total Credits..... | 20 |

| Quarter Two | Credits |
|---|-----------|
| BA 112, Business Mathematics (M) | 5 |
| BA 157, Human Relations in Business (R) | 5 |
| CT 121, Computer Software Principles | 5 |
| OT 115, Specialized Transcription I | 5 |
| OT 120, Document Editing | 5 |
| Total Credits..... | 25 |

| Quarter Three | Credits |
|---|--------------|
| BA 181, Cooperative Work Experience I | 2 - 5 |
| BA 182, Business Leadership Seminar I | 3 |
| BIO 119, Human Anatomy for Medical Office Professionals | 5 |
| OT 116, Specialized Transcription II | 5 |
| OT 126, Intermediate Word Processing | 5 |
| Total Credits..... | 20-23 |
| Year One Total..... | 65-68 |
| Grand Total..... | 65-68 |

EPC: 565E

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(M) - BA 112

(R) - BA 157

| | |
|-------------------------------|---------------------------|
| (J) - Job Seeking Skills | (L) - Leadership |
| (M) - Computation/Mathematics | (O) - Oral Communications |
| (W) - Written Communications | (R) - Human Relations |

Philosophy

<http://wwcc.edu/philosophy>

| | | |
|------------------|--------------|-----------------------|
| Jon Stratton | 509.527.4222 | jon.stratton@wwcc.edu |
| James Bower- Clk | 509.758.1771 | james.bower@wwcc.edu |

Department Overview: Philosophy courses ask fundamental questions about how we can improve our thinking, our moral and political values, and our understanding of the meaning of life. Philosophy courses examine great ideas from the past as well as contemporary thinkers.

Mission: The Humanities Division seeks to enrich students' lives through exploration of the diversity of human expressions and cultures as well as to build a foundation for life-long learning - including successful future academic achievement - through writing, literature, language arts and philosophy.

Goals:

- To provide a variety of courses in order to enrich students' lives and build a foundation for lifetime learning.
- To provide students with a variety of courses that prepare them for transfer to four year institutions with academic skills needed to succeed in upper division work.
- To encourage students to explore and develop critical thinking and creative thinking.
- To help students develop and perfect writing skills.

- To assist students in appreciating, understanding, and using the terminology and concepts of each course.
- To develop increased aesthetic appreciation as well as increased cultural awareness.

Degrees: Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at WWCC in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Preparation for Success: Students who plan to major in Philosophy at the four year college or university should take all of the Philosophy courses offered at WWCC, including Symbolic Logic. The great majority of schools require at least two years of a language other than English for a B. A. in Philosophy.

Career Opportunities: Most philosophy majors pursue college and university teaching careers; others, however, find rewarding careers in business, government, journalism, law, and human services, all of which are best pursued after earning a post-baccalaureate degree.

Physical Education and Recreation

<http://wwcc.edu/pe>

Tim Toon 509.527.4307 timothy.toon@wwcc.edu
Mike Levens 509.527.4315 michael.levens@wwcc.edu

Department Overview: "Recent studies reported by the U.S. Surgeon General and the Centers for Disease Control and Prevention confirm that physical activity reduces the risk of developing some of the leading causes of illness and death, including heart disease, high blood pressure, and diabetes for all ages. Many students, however, are not getting enough physical activity; and are not learning to be responsible for their own health." (National Association for Sport & Physical Education)

The Physical Education department at WWCC offers a variety of courses that expose the student to leisure activity skills and fitness activities that educate students how to be responsible for their own health.

Mission: The mission of the Physical Education and Recreation Division is to provide knowledge that encourages positive lifestyle practices, attitudes and values. The division is committed to promoting continual self-assessment and personal growth to enrich the quality of life.

Goals:

- Diverse Offerings - create a balance between lifetime activity and team sport opportunities.
- Attractive Offerings - Create and modify courses to meet student interest. We want students to take our courses even after they have satisfied the PE requirement for graduation.
- Incorporate "Lifelong Learning" as the primary core ability in all HPER courses.

Degrees: Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at Walla Walla Community College in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Preparation for Success: Students interested in fitness careers should be outgoing, good at motivating people, and sensitive to the needs of others. Excellent health and physical fitness are important due to the physical nature of the job. Those who wish to be personal trainers in a large commercial fitness center should have strong sales skills.

Career Opportunities: An increasing number of employers require fitness workers to have a bachelor's degree in a field related to health or fitness, such as exercise science or physical education. Some employers allow workers to substitute a college degree for certification, but most employers who require a bachelor's degree require both a degree and certification.

Physics

AS

<http://wwcc.edu/physics>

Steve May 509.527.4278 steven.may@wwcc.edu

Department Overview: The ultimate goal in the science of Physics is the understanding of materials, structures and behaviors of everything from the grand scale of the entire universe down to the smallest, most fundamental bit of matter. It is referred to as the most fundamental of the sciences. More specifically, it includes, but it not limited to, the study of mechanics, heat, light, electric and magnetic fields, gravitation, relativity, atomic and solid state physics.

Mission: To provide students with a diverse array of physical and life science classes through which they will develop an increased awareness and understanding of scientific knowledge and the scientific method of investigation by which this knowledge has been gained.

Goals:

- To offer a variety of introductory science classes which fulfill the necessary Natural Science graduation requirements for all AA transfer students.
- To assist non-science majors in becoming more scientifically literate.
- To provide science majors with the foundation knowledge they will need in order to successfully continue on to upper level courses; either at WWCC or at a transfer institution.
- To offer comprehensive sequences of lower division science classes in a variety of disciplines which provide science majors with a solid one or two years of preparation in their chosen field comparable to what they would receive in the first two years as a resident student at a transfer institution.
- To provide pre-professional (nursing, dentistry, optometry, physical therapy, etc.) students with the first two years of course work necessary for entrance in most Allied Health related programs.

Degrees: Students may earn an Associate in Science (AS) Degree, which is designed for those who complete a 93 credit program that is parallel with the first two years of a baccalaureate institution to which they intend to transfer. A cumulative gpa of 2.0 or higher is required for successful completion of this degree.

Coursework is concentrated in specific mathematics and sciences requirements. Additional coursework in general education, humanities and social sciences will be required at the transfer institution. Some remaining general education requirements may be satisfied with upper division courses. Students need to meet with department advisors at the baccalaureate institution to determine appropriate educational plan.

Preparation for Success: Students interested in a major in Physics should take additional courses in mathematics, computer programming and chemistry. Physics' degrees are often combined with other sciences, such as astronomy, biology and geology; so courses in those areas are also recommended.

Career Opportunities: Persons with a physics background continue to be in demand in the areas of information technology, semiconductor technology, and other applied sciences. This trend is expected to continue; however, many of the new workers will have job titles such as computer software engineer, computer programmer, engineer, and systems developer, rather than physicist.

Opportunities may be more numerous for those with a master's degree, particularly graduates from programs preparing students for applied research and development, product design, and manufacturing positions in private industry. Many of these positions, however, will have titles other than physicist, such as engineer or computer scientist.

Persons with a bachelor's degree in physics or astronomy are not qualified to enter most physicist or astronomer research jobs but may qualify for a wide range of positions related to engineering, mathematics, computer science, and environmental science. Those who meet state certification requirements can become high school physics teachers, an occupation in strong demand in many school districts. Most states require new teachers to obtain a master's degree in education.

Other Information: Introductory physics courses are offered that fulfill the needs of three different groups of students. All physics course fulfill the Natural Sciences requirement for graduation with an AA or AS degree.

- 1) Student's interested in pursuing a major in physics, engineering, or other physical sciences should enroll in the 3-quarter sequence PHYS 201, 202, 203, a calculus-based series.
- 2) The other 3-quarter sequence, PHYS 121, 122, 123, an algebra-based series, is appropriate for students interested in pursuing degrees in life sciences, pre-professional programs (i.e. medicine, dentistry, etc.), or any student with a desire to learn about the laws of physics through a problem-solving course.
- 3) For the student interested in a general survey of the science of physics, PHYS 110, a one-quarter, conceptual course is offered.

Degrees

Associate in Science

Associate in Science Degree - Option II (Physics)

Recommended two-year schedule (Option II). For other degree information, students should check with their advisors, transfer center staff, and college degree guidelines. Students should also note that it is extremely important to begin sequential courses in the fall since those courses are typically offered one quarter per year.

Transferability: For transfer information at specific institutions and/or programs consult with your advisor.

Year One

| Quarter One | Credits |
|---|-----------|
| CHEM 121, General Chemistry I | 5 |
| Physical Education Elective | 1 |
| MATH 109, Precalculus I or MATH 124, Calculus with Analytic Geometry I..... | 5 |
| ENG 101, English Composition I | 5 |
| Total Credits..... | 16 |

Quarter Two

| | |
|---|--------------|
| MATH 110, Precalculus II or MATH 125, Calculus with Analytic Geometry II..... | 5 |
| Science Elective (CHEM 122, General Chemistry II Recommended) | 5 |
| Social Science Elective | 5 |
| SPCH 101 or SPCH 102 or SPCH 105 | 3 - 5 |
| Total Credits..... | 18-20 |

Quarter Three

| | |
|--|-----------|
| Computer Programming, CT 130 or CT 131 | 5 |
| Physical Education Elective | 1 |
| MATH 201, Statistics or higher Math | 5 |
| Science Elective (CHEM 123, General Chemistry III Recommended) | 5 |
| Total Credits..... | 16 |

Year One Total.....50-52

Year Two

Quarter One

| | |
|--|-----------|
| Physical Education Elective | 1 |
| Humanities Elective..... | 5 |
| MATH 124, Calculus with Analytic Geometry I or Elective* | 5 |
| PHYS 201, Physics for Science and Engineering I | 5 |
| Total Credits..... | 16 |

Quarter Two

| | |
|---|-----------|
| Humanities or Social Science Elective | 5 |
| MATH 125, Calculus with Analytic Geometry II or Elective* | 5 |
| PHYS 202, Physics for Science and Engineering II | 5 |
| Total Credits..... | 15 |

Quarter Three

| | |
|--|--------------|
| Elective..... | 2 - 5 |
| MATH 126, Calculus w/Analytic Geometry III or MATH 238, Differential Equations | 5 |
| PHYS 203, Physics for Science and Engineering III | 5 |
| Total Credits..... | 12-15 |

Year Two Total.....43-46

Grand Total.....93-98

EPC: 004

* Elective if MATH 124 and 125 have been completed.

Political Science

<http://wwcc.edu/politicalscience>

Jim Peitersen

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Department Overview: Political science as a discipline encompasses a broad range of subfields that attempt to describe and explain the political process, politics, and relationships among governments. The general areas of study in political science include American government and politics, political theory, public administration, public law, comparative politics, and international relations.

Mission: The mission of the Social Sciences Division is to provide opportunities for students to better understand individual and group behavior, and develop skills to explore and analyze past and present society and culture.

Goals:

- Prepare students to transfer to four-year institutions.
- Introduce concepts, terminology, and factual evidence of the respective disciplines using appropriate classroom assessment techniques.
- Develop written and oral communication and critical thinking skills that require analysis and synthesis of course content.

- Provide opportunities to better understand the impact of diverse cultures in historical context on individual and group behavior.

Degrees: Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at WWCC in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Preparation for Success: A major in Political Science is strengthened by studies in statistics and history. The ability to utilize computers for research purposes is mandatory in most disciplines.

Career Opportunities: Political scientists study the origin, development, and operation of political systems and public policy. They conduct research on a wide range of subjects, such as relations between the United States and other countries, the institutions and political life of nations, the politics of rural vs. urban areas, and the decisions of the U.S. Supreme Court. Political science offers a wide range of career opportunities which may include: government agencies (archives, libraries, museums, parks) politics, law firms, nonprofit organizations, journalism and education.

Precision Machining Technology

AAAS, CERTIFICATE

<http://wwcc.edu/machining>

Alan Harwood

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Department Overview: Precision Machining Technology trains individuals to accomplish the increasingly highly technical work required in today's advanced machining environment. The program provides both lecture and laboratory experiences using modern machine tools and computer-controlled equipment. Students learn to utilize Computer-Numeric-Controlled (CNC) machine tools and Computer-Aided-Design and Machining (CAD/CAM) systems, as well as inspection equipment such as computer Coordinated Measuring Machines (CMM). The Precision Machining curriculum is reviewed by an advisory board composed of local and regional industry members.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Precision Machining Technology upon completion of the two-year program of study. A Machine Tool Operator Certificate is available upon completion of the first year of the program.

Industry Description: Precision Machinists, are typically employed by the aeronautical, agricultural, automotive, and computer industries, and are among the most highly skilled and educated production technicians in manufacturing. Modern industry depends upon the skills of Precision Machinists to set up and operate machine tools to produce precision parts for all types of manufacturing. Machinists produce tools, dies, specialized production jigs and precision parts, which are critical in the production of every manufactured product including clothing, food, furniture, heavy equipment, aircraft, space shuttles, computers, automobiles and homes. Working from blueprints or other instructions, Machinists plan the sequence of operations necessary, program and/or operate a wide variety of production machines, produce a finished product, perform quality assurance steps and insure the product meets or exceeds specifications.

Entrance Requirements: It is recommended that the student contact the lead instructor regarding appropriate program placement and paying a priority list fee to determine specific quarter start in the program. Students may enter the program fall, winter or spring quarter, however, due to course sequencing it is recommended to begin in the fall. A placement test and mechanical reasoning test offered by the Student Development Center must be completed prior to admittance to the program.

Scholarships: A scholarship for Precision Machining Technology students was established by Nelson Irrigation, Inc. to attract capable students to the Precision Machining Technology Program. Applicants must show interest and aptitude in manufacturing or mechanical engineering.

Other Information: For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Precision Machining Technology

This technical degree prepares the student for immediate employment in the industrial machining industry. It may be utilized by individuals planning to enter their chosen career upon graduation or for the individual who is interested in improving current skills and knowledge.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|--|-----------|
| PMT 161, Precision Machining Basics I..... | 18 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| Total Credits..... | 23 |

| Quarter Two | Credits |
|--|-----------|
| CET 141, Engineering Graphics | 4 |
| PMT 162, Precision Machining Basics II | 18 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 25 |

| Quarter Three | Credits |
|---|-----------|
| PMT 163, Precision Machining Basics III | 18 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| Total Credits..... | 21 |
| Year One Total..... | 69 |

Year Two

| Quarter One | Credits |
|--|-----------|
| PMT 294, Precision Machining Advanced I..... | 18 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |
| Total Credits..... | 23 |

| Quarter Two | Credits |
|---|-----------|
| PMT 295, Precision Machining Advanced II | 18 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R) | 3 |
| PMT 299, Leadership (L)..... | 1 |
| Total Credits..... | 22 |

| Quarter Three | Credits |
|--|------------|
| PMT 296, Precision Machining Advanced III..... | 18 |
| Total Credits..... | 18 |
| Year Two Total..... | 63 |
| Grand Total..... | 132 |

EPC: 808

Strongly recommended for work beyond entry level: WELD 141, CT 100, MATH 065 or higher.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - OCSUP 103, PSY 140

(W) - ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - PMT 299

(M) - MATH 050, OCSUP 106

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - OCSUP 101, PSY 101

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Certificates

Certificate

Machine Tool Operator Certificate

This certificate is equivalent to the first year of the AAAS Degree in Precision Machining Technology.

Year One

Quarter One

| | |
|--|-----------|
| PMT 161, Precision Machining Basics I..... | 18 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| Total Credits..... | 23 |

Quarter Two

| | |
|--|-----------|
| CET 141, Engineering Graphics | 4 |
| PMT 162, Precision Machining Basics II | 18 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 25 |

Quarter Three

| | |
|--|-----------|
| PMT 163, Precision Machining Basics III..... | 18 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| Total Credits..... | 21 |
| Year One Total..... | 69 |
| Grand Total..... | 69 |

EPC: 808C

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - OCSUP 103, PSY 140

(W) - ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - PMT 299

(M) - MATH 050, OCSUP 106

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - OCSUP 101, PSY 101

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Professional Golf Management

AAAS, CERTIFICATE

<http://wwcc.edu/golf>

Mike Rostollan

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Department Overview: Professional Golf Management provides students with expert instruction in golf shop operations, facility management, tournament administration, rules of golf, turf science, golf car fleet management and golf instruction. The program is an accredited USGA member training facility and staffed by Class A PGA golf professionals. Upon completion of the course content and a two-quarter cooperative training internship at an approved golf facility, the student is uniquely prepared for a variety of career paths in field of professional golf management. The program was developed in cooperation with regional golf professionals representing a wide variety of golf facilities; curriculum

is maintained with oversight by an advisory committee comprised of local and regional industry members.

Mission: To provide comprehensive technical programs and career training to improve the lives and livelihood of qualified and willing students in the Pacific Northwest and beyond.

Goals:

- Develop marketable technical and interpersonal skills in the trade, resulting in career placement.
- Acquire appropriate licenses, certificates, and degrees upon exiting Walla Walla Community College.
- Provide relevant training through hands-on and field experience to prepare the students for industry.
- Develop analytical thinking and problem-solving abilities through instructional labs, projects, and testing.
- Provide training in environmental and work place safety that meets appropriate industry standards.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Professional Golf Management upon completion of the course content and a two-quarter cooperative training internship at an approved golf facility. A Professional Golf Management Certificate is available upon completion of the first year of the program.

Industry Description: The demand for professional golf managers and teachers has increased steadily with golf's ever expanding popularity. Professional golf managers work as club professionals, equipment manufacturer representatives, general managers, and golf instructors or coaches. Utilizing their knowledge of their sport, physiology, and corrective techniques, professional golf instructors work with golfers of all experience levels to improve their game. They determine the type and level of difficulty of exercises, prescribe specific drills, and evaluate the golfer's games.

Entrance Requirements: Students are required to have a golf background, letters of recommendation and instructor permission before entering the program. A placement test offered by the Student Development Center must be completed prior to admittance to the program.

Other Information: For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Professional Golf Management

This technical degree prepares students for careers as club professionals, equipment manufacturer representatives, general managers, and golf instructors or coaches.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|--|-----------|
| BA 112, Business Mathematics (M)..... | 5 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| PGM 101, Golf Management I..... | 5 |
| PGM 111, Introductory Golf Instruction | 3 |
| PGM 121, Rules of Golf I | 3 |
| TURF 101, Turf Equipment Operations I..... | 3 |
| Total Credits..... | 22 |

Quarter Two

| | |
|--|-----------|
| ACCT 201, Principles of Accounting I | 5 |
| CT 121, Computer Software Principles | 5 |
| PGM 102, Golf Management II..... | 5 |
| PGM 112, Intermediate Golf Instruction | 3 |
| PGM 131, Golf Car Fleet Management..... | 3 |
| WMGT 110, Lawn and Turf Irrigation..... | 3 |
| Total Credits..... | 24 |

Quarter Three

| | |
|--|-----------|
| PGM 191, Cooperative Work Experience | 18 |
| PGM 192, Cooperative Seminar (R)..... | 2 |
| Total Credits..... | 20 |

Quarter Four

| | |
|---|-----------|
| PGM 292, Cooperative Work Experience II | 18 |
| PGM 292, Cooperative Seminar II (R) | 2 |
| Total Credits..... | 20 |
| Year One Total..... | 86 |

Year Two

| Quarter One | Credits |
|---|-----------|
| PGM 201, Golf Management III..... | 5 |
| PGM 211, Corrective Golf Lessons | 3 |
| PGM 221, Rules of Golf II | 2 |
| PGM 299, Leadership (L)..... | 1 |
| SPCH 101, Fundamentals of Speech (O)..... | 5 |
| TURF 122, Turf Maintenance Practices..... | 3 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 22 |

Quarter Two

| | |
|---|------------|
| ACCT 202, Principles of Accounting II | 5 |
| PGM 202, Golf Management IV | 5 |
| PGM 212, Teaching the Advanced Player | 2 |
| TURF 211, Turf Management | 5 |
| Total Credits..... | 17 |
| Year Two Total..... | 39 |
| Grand Total..... | 125 |

EPC: 176

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - AGPR 100, BA 292, OCSUP 103, PSY 140

(W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - PGM 299

(M) - BA 112, MATH 050

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - PGM 192, PGM 292

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Certificates

Certificate

Professional Golf Management Certificate

This certificate is equivalent to the first year of the AAAS Degree in Professional Golf Management.

Year One

| Quarter One | Credits |
|--|-----------|
| BA 112, Business Mathematics (M)..... | 5 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| PGM 101, Golf Management I..... | 5 |
| PGM 111, Introductory Golf Instruction | 3 |
| PGM 121, Rules of Golf I | 3 |
| TURF 101, Turf Equipment Operations I..... | 3 |
| Total Credits..... | 22 |

Quarter Two

| | |
|--|-----------|
| ACCT 201, Principles of Accounting I | 5 |
| CT 121, Computer Software Principles | 5 |
| PGM 102, Golf Management II..... | 5 |
| PGM 112, Intermediate Golf Instruction | 3 |
| PGM 131, Golf Car Fleet Management..... | 3 |
| WMGT 110, Lawn and Turf Irrigation..... | 3 |
| Total Credits..... | 24 |

Quarter Three

| | |
|--|-----------|
| PGM 191, Cooperative Work Experience | 18 |
| PGM 192, Cooperative Seminar (R)..... | 2 |
| Total Credits..... | 20 |
| Year One Total..... | 66 |
| Grand Total..... | 66 |

EPC: 176C

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - AGPR 100, BA 292, OCSUP 103, PSY 140

(M) - BA 112, MATH 050

(R) - PGM 192

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Psychology

<http://wwcc.edu/psychology>

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Department Overview: Psychology is the scientific study of individual human behavior and mental processes. As a discipline, psychology uses scientific research methodology to understand the physiological, cognitive, and social processes that influence behavior. Scientific research methods assist psychologists in evaluating behavioral data and solving human problems such as those associated with development over the life span, brain functioning, learning, memory, psychopathology, and personality.

Mission: The mission of the Social Sciences Division is to provide opportunities for students to better understand individual and group behavior, and develop skills to explore and analyze past and present society and culture.

Goals:

- Prepare students to transfer to four-year institutions.
- Introduce concepts, terminology, and factual evidence of the respective disciplines using appropriate classroom assessment techniques.
- Develop written and oral communication and critical thinking skills that require analysis and synthesis of course content.
- Provide opportunities to better understand the impact of diverse cultures in historical context on individual and group behavior.

Degrees: Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at WWCC in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Preparation for Success: A major in Psychology is strengthened by studies in research and statistics, as well as courses in anatomy and physiology.

Career Opportunities: Psychologists study the human mind and human behavior. Research psychologists investigate the physical, cognitive, emotional, or social aspects of human behavior. Psychologists in applied fields provide mental health care in hospitals, clinics, schools, or private settings.

Psychologists apply their knowledge to a wide range of endeavors, including health and human services, computer

science, management, education, law, and sports. In addition to a variety of work settings, psychologists may specialize in a number of different areas. Clinical and counseling psychologists work in counseling centers, independent or group practices, hospitals, or clinics helping mentally and emotionally disturbed clients adjust to life, or helping medical and surgical patients deal with illnesses or injuries.

Other fields in psychology include health, brain, counseling, school, and organizational and developmental psychology. Typically, a Master's degree or Ph.D. is required to pursue a professional career.

Employment may be found in clinics, social service agencies, business and industry, schools and universities, hospitals, corrections, human resources, and government services. Many psychologists are self-employed in private practice.

Other Information: Psychologists possess a wide range of personal characteristics as they constantly seek new information about people, things, and ideas. Intellectual curiosity and creativity, and the ability to think logically and methodically are fundamental personal traits. Objectivity, open-mindedness, and systematic work habits, as well as excellent written and oral communication skills, are important in all kinds of psychological research.

Reading

<http://www.wwcc.edu/reading>

Barbara Hoffman 509.527.4645 barbara.hoffman@wwcc.edu

Department Overview: College preparation courses provide an environment that assists students in learning and practicing skills that lead to academic and occupational success. Courses included are in the areas of reading, writing, mathematics and study skills. Students who complete college preparation courses normally experience higher skill achievement and greater earning power.

The number of quarters required to complete the college preparation coursework is dependent upon the individuals' entrance examination scores. A student is typically co-enrolled in an AAAS or AA Degree.

Science

<http://www.wwcc.edu/science>

Mike Mahan 509.527.4692 michael.mahan@wwcc.edu

Department Overview: Science courses provide an environment that assists students in learning and practicing skills that lead to academic and occupational success. Courses include thinking and learning strategies to prepare students to succeed in college-level science courses. Students who complete Science courses normally experience higher skill achievement.

Sociology

<http://wwcc.edu/sociology>

Susan Palmer

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Department Overview: Most of us have a basic idea about how houses or transportation systems are built, but little knowledge, beyond common sense, about how societies are constructed. Sociology systematically examines the architecture of our social world and our everyday interactions.

Sociology provides a framework to understand how societies, and social life in general, are created, maintained, and changed. Students of sociology gain an appreciation of why it is that we do things one way, while other cultures do things differently. Topics and issues in Sociology include: family, gender, race and ethnicity, human ecology, community, religion, government, globalization, social problems, social deviance, social welfare, social change and social stratification.

Mission: The mission of the Social Sciences Division is to provide opportunities for students to better understand individual and group behavior, and develop skills to explore and analyze past and present society and culture.

Goals:

- Prepare students to transfer to four-year institutions.
- Introduce concepts, terminology, and factual evidence of the respective disciplines using appropriate classroom assessment techniques.
- Develop written and oral communication and critical thinking skills that require analysis and synthesis of course content.
- Provide opportunities to better understand the impact of diverse cultures in historical context on individual and group behavior.

Degrees: Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at WWCC in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Preparation for Success: A major in Sociology is strengthened by studies in research and statistics.

Career Opportunities: A sociological approach is useful for many fields of study, as well as a variety of occupations. Many sociology students prepare for careers in criminal justice, social services, social research, health care, and other fields with an emphasis in social relationships and social structures.

Many individuals with training in a social science discipline teach in colleges and universities and in secondary and elementary schools.

Spanish

<http://wwcc.edu/spanish>

Jeff Adams

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Department Overview: The study of a modern language is a way of expanding one's horizons while developing specific linguistic skills that will enhance career, academic, and travel opportunities. One of the many benefits derived from modern-language study is the ability to transcend linguistic and cultural parochialism. To understand the uniqueness of one's own language and civilization, knowledge of another culture is essential. Language study is the key that unlocks the mysteries surrounding a foreign people. Through language, one is able to explore their literature, art, history, and philosophy-in short, their way of life.

Mission: The Humanities Division seeks to enrich students' lives through exploration of the diversity of human expressions and cultures as well as to build a foundation for life-long learning - including successful future academic achievement - through writing, literature, language arts and philosophy.

Goals:

- To provide a variety of courses in order to enrich students' lives and build a foundation for lifetime learning.
- To provide students with a variety of courses that prepare them for transfer to four year institutions with academic skills needed to succeed in upper division work.
- To encourage students to explore and develop critical thinking and creative thinking.
- To help students develop and perfect writing skills.
- To assist students in appreciating, understanding, and using the terminology and concepts of each course.
- To develop increased aesthetic appreciation as well as increased cultural awareness.

Degrees: Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at WWCC in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Preparation for Success: Students seeking a modern language major should take a broad range of courses that include writing and comprehension, both in English and in at least one other modern language. Competence in word-processing is very important. Other helpful pursuits include spending time abroad, engaging in comparable forms of direct contact with non-English speaking cultures, and reading extensively on a variety of subjects in English and at least one other language.

Career Opportunities: Proficiency in more than one modern language increases potential for employment many areas, including business, education, medicine, technology, and social work. In our rapidly changing and interdependent world, knowledge of a second language is not only desirable but necessary.

Speech

<http://wwcc.edu/speech>

Bill Krieger 509.527.4316 william.krieger@wwcc.edu
Kevin Loomer 509.524.5153 kevin.loomer@wwcc.edu

Department Overview: The Speech Department offers courses designed to increase students' knowledge and understanding of the principles of public speaking as well as guided practice in making speeches, oral presentations, group discussions, and interpersonal communication techniques.

Mission: The Humanities Division seeks to enrich students' lives through exploration of the diversity of human expressions and cultures as well as to build a foundation for life-long learning - including successful future academic achievement - through writing, literature, language arts and philosophy.

Goals:

- To provide a variety of courses in order to enrich students' lives and build a foundation for lifetime learning.
- To provide students with a variety of courses that prepare them for transfer to four year institutions with academic skills needed to succeed in upper division work.
- To encourage students to explore and develop critical thinking and creative thinking.
- To help students develop and perfect writing skills.
- To assist students in appreciating, understanding, and using the terminology and concepts of each course.
- To develop increased aesthetic appreciation as well as increased cultural awareness.

Degrees: Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at WWCC in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Preparation for Success: Students interested in a major in Public Relations should consider taking courses in writing skills, business and marketing. Students should also have strong computer skills.

Career Opportunities: Public Relations provides a wide range of career opportunities which may include: public relation firms, media (reporting, advertising), public affairs (chambers of commerce, councils on tourism), business and industry (consulting firms, marketing companies), nonprofit organizations, and educational institutions.

Other Information: The Speech Department supports students' efforts to fulfill degree requirements by offering a required course in public speaking. Other courses appealing to multiple levels of interest, skill, and experience are under development. Course offerings provide the basis for transfer, occupations, and life-long learning.

Theatre Arts

<http://www.wwcc.edu/theatrearts>

Paul Wickline 509.527.4317 paul.wickline@wwcc.edu

Department Overview: The Theatre Arts Department offers a wide range of theatre courses and production opportunities. Through the study of the theatrical arts (acting, directing, stagecraft, design, and playwriting) students experience the power and value of theatre as a form of cultural development, societal reflection, and communication. Theatrical experience helps students gain a deeper understanding of themselves and human behavior by developing creative and critical thinking skills in a teamwork environment.

Mission: As part of the Humanities Division, the Art Department shares the mission of the other performing and fine arts: to inspire students to discover their potential and to achieve their goals in speech communications, fine arts, drama, and music by providing a wide variety of guided presentation and performance opportunities, a nurturing and challenging atmosphere, and challenging standards of instruction aimed especially for small groups and individuals.

Goals:

- To provide learning opportunities and challenges for students planning to transfer to baccalaureate institutions for the purpose of pursuing major studies in Fine Arts.
- To provide learning opportunities and challenges for students wishing to fulfill recreational interests in Fine Arts.
- To enrich Fine Arts opportunities offered and available to the people of the WWCC service area.
- To provide learning opportunities and challenges for students wishing to pursue occupational and professional careers in Fine Arts.
- To guide and nurture students' development as emphatic and critical audience/responders to the Fine Arts of their peers as well as those forms of expression that have stood the test of time and public scrutiny.
- To encourage openness to diverse ways of cultural expression as manifested in the Fine Arts.
- To encourage life-long learning and expression in the Fine Arts.
- To provide instruction in the fundamentals of public speaking.

Degrees: Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at WWCC in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Preparation for Success: Most people studying for a bachelor's degree in Theatre Arts take courses in radio and television broadcasting, communications, film, theater, and dramatic literature. Many continue their academic training and earn a Master of Fine Arts (MFA) degree. Students planning to major in Theatre Arts at a four-year college or university should take as many Theatre Arts courses as possible, especially Theatre Appreciation, Acting, and courses in dramatic literature.

Career Opportunities: Careers in theatre arts go beyond performance in stage, radio, television, video, and motion picture productions. Careers are also found in technical areas of theatrical production; costumers, sound and light technicians, carpenters, set designers, and business managers are essential to the field. Some actors do narration work for advertisements, animated features, recorded books, and

other electronic media. Many theatre arts graduates teach theatre in high school and college theatre departments.

Other Information: Students are encouraged to take supporting course work in music, dance, history, literature, speech, and composition.

The Theatre Arts Department cooperates with the other Performing and Fine Arts departments and the WWCC Foundation on a wide range of performance opportunities. These are both co- and extra-curricular programs, including the WWCC Foundation musical, the WWCC gallery shows, the China Pavilion drama season, touring theater, and children's drama workshop, musical recitals and concerts, and music performances in downtown Walla Walla.

The Theatre Arts Department also supports students' efforts to fulfill degree requirements by offering a wide array of courses appealing to multiple levels of interest, skill, and experience. Course offerings provide the basis for transfer, occupations, and life-long learning.

Transición

<http://wwcc.edu/transitionalstudies>

Carlos Jaque

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Department Overview: The Bilingual Bicultural Transicion Program is designed to provide intensive training in English proficiency, personal and cultural awareness, computer literacy, and career and employment exploration to dislocated Hispanic workers and other Hispanic individuals who aspire to enroll in a professional-technical certificate or degree program which leads to living wage employment or completion of GED.

Degrees: Students may be placed directly into a training program, co-enroll in Transicion and a training program, enroll in Transicion and the basic skills program, or enroll in ESL (English as Second Language) and basic skills only, dependent on placement scores on the basic skills test.

Industry Description: The continuing demand for bilingual, trained employees in rural industries of Eastern Washington, coupled with the increased opportunities and employment benefits provided through education, provides the basis for this training program.

Entrance Requirements: Scores on a standardized test will determine academic placement into the program.

Turf Equipment Service Technician

AAAS, CERTIFICATE

<http://wwcc.edu/turfequipment>

George Klein

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Department Overview: Turf Equipment Service Technician offers students the technical knowledge and mechanical skills necessary to service, troubleshoot and repair today's sophisticated residential and commercial turf equipment, including lawn tractors and golf course machinery. Training materials and equipment are provided through cooperative agreements with regional dealerships, national manufacturers, and local community. Curriculum is reviewed by the Turf Equipment Service Technician advisory board which is composed of local and regional industry members.

Mission: Training the workforce to success in industry, is a journey not a destination.

Goals:

- Implement competency-based education, skill standards, and program certification.
- Create and maintain a marketing plan related to student recruitment.
- Update facilities with consideration for function and appearance.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Turf Equipment Service Technician upon completion of the five quarters on-campus instruction and one quarter off-campus internship. A Certificate as a Turf Equipment Service Technician is available upon completion of three quarters on-campus instruction and one quarter off-campus internship.

Industry Description: The growth and expansion of the home and recreation industries nationwide have created a growing need for qualified technicians to service and maintain equipment specific to this industry. Opportunities abound for technicians in various settings including golf courses, landscaping businesses, parks and recreation departments, rental outfits, dealerships, and consumer equipment.

Entrance Requirements: It is recommended that the student contact the lead instructor regarding appropriate program placement and paying a priority list fee to determine specific quarter start in the program. Students may enter the program fall, winter or spring quarter, however, due to course sequencing it is recommended to begin in the fall. A placement test and mechanical reasoning test offered by the Student Development Center must be completed prior to admittance to the program.

Other Information: For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Turf Equipment Service Technician

This technical degree prepares the student for immediate employment in the turf equipment service industry. It may be utilized by individuals planning to enter their chosen career upon graduation or for the individual who is interested in improving current skills and knowledge.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|---|-----------|
| TST 151, Shop Fundamentals | 3 |
| TST 155, Basic Engine Principles | 17 |
| OCSUP 102, Oral Communication in the Workplace (O)..... | 3 |
| TURF 101, Turf Equipment Operations I..... | 3 |
| Total Credits..... | 26 |

| Quarter Two | Credits |
|---|-----------|
| TST 156, Electrical Principles | 17 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| TURF 102, Turf Equipment Operations II..... | 3 |
| WELD 141, Welding Basics..... | 4 |
| Total Credits..... | 29 |

| Quarter Three | Credits |
|---|-----------|
| TST 120, Shop Management..... | 3 |
| TST 125, Paints and Painting | 3 |
| TST 157, Hydraulics and Powertrains | 17 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| TST 299, Leadership (L) | 1 |
| Total Credits..... | 27 |

| Quarter Four | Credits |
|--|-----------|
| TST 191, Cooperative Work Experience | 12 |
| TST 192, Cooperative Seminar | 1 |
| Total Credits..... | 13 |
| Year One Total..... | 95 |

Year Two

| Quarter One | Credits |
|--|-----------|
| TST 255, Advanced Diesel and Equipment | 17 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 20 |

| Quarter Two | Credits |
|---|------------|
| TST 256, Advanced Hydraulics and Reels | 17 |
| PSY 111, Effective Interpersonal Relationships (R)..... | 3 |
| Total Credits..... | 20 |
| Year Two Total..... | 40 |
| Grand Total..... | 135 |

EPC: 126

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

- (J) - AGPR 100, OCSUP 103, PSY 140
 (W) - BA 137, ENG 100, ENG 101, WRITE 100
 (L) - TST 299
 (M) - BA 112, MATH 049, OCSUP 106
 (O) - OCSUP 102, SPCH 101, SPCH 102
 (R) - OCSUP 101, PSY 101, PSY 111

- (J) - Job Seeking Skills (L) - Leadership
 (M) - Computation/Mathematics (O) - Oral Communications
 (W) -Written Communications (R) - Human Relations

Certificates

Certificate

Turf Equipment Service Technician Certificate

This certificate is equivalent to the first year of the AAAS Degree in Turf Equipment Service Technician.

Year One

| Quarter One | Credits |
|--|-----------|
| TST 151, Shop Fundamentals | 3 |
| TST 155, Basic Engine Principles | 17 |
| OCSUP 102, Oral Communication in the Workplace (O) | 3 |
| TURF 101, Turf Equipment Operations I | 3 |
| Total Credits..... | 26 |

| Quarter Two | Credits |
|--|-----------|
| TST 156, Electrical Principles | 17 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| TURF 102, Turf Equipment Operations II | 3 |
| WELD 141, Welding Basics | 4 |
| Total Credits..... | 29 |

| Quarter Three | Credits |
|---|-----------|
| TST 120, Shop Management..... | 3 |
| TST 125, Paints and Painting | 3 |
| TST 157, Hydraulics and Powertrains | 17 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| TST 299, Leadership (L) | 1 |
| Total Credits..... | 27 |

| Quarter Four | Credits |
|--|-----------|
| TST 191, Cooperative Work Experience | 12 |
| TST 192, Cooperative Seminar | 1 |
| Total Credits..... | 13 |
| Year One Total..... | 95 |
| Grand Total..... | 95 |

EPC: 126C

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

- (J) - AGPR 100, OCSUP 103, PSY 140
 (W) - BA 137, ENG 100, ENG 101, WRITE 100
 (L) - TST 299
 (M) - BA 112, MATH 049, OCSUP 106
 (O) - OCSUP 102, SPCH 101, SPCH 102
 (R) - OCSUP 101, PSY 101, PSY 111

- (J) - Job Seeking Skills (L) - Leadership
 (M) - Computation/Mathematics (O) - Oral Communications
 (W) -Written Communications (R) - Human Relations

Turf Management

AAAS, CERTIFICATE

<http://wwcc.edu/turfmanagement>

Bill Griffith 509.527.4269 william.griffith@wwcc.edu

Department Overview: Turf Management focuses on equipment operation and maintenance, irrigation system installation, repair and maintenance, and turf grass application, installation, and management. Two quarters of internship work experience combine classroom instruction with field experience to provide direct application of coursework. Many courses are offered via distance learning. Graduates of this program may find employment as assistant golf course superintendents, assistant sports turf managers, landscape maintenance and construction crew supervisors, parks department grounds keepers, and school district groundskeepers. The Turf Management curriculum is reviewed by an advisory board composed of local and regional industry members.

Mission: To provide comprehensive technical programs and career training to improve the lives and livelihood of qualified and willing students in the Pacific Northwest and beyond.

Goals:

- Develop marketable technical and interpersonal skills in the trade, resulting in career placement.
- Acquire appropriate licenses, certificates, and degrees upon exiting Walla Walla Community College.
- Provide relevant training through hands-on and field experience to prepare the students for industry.
- Develop analytical thinking and problem-solving abilities through instructional labs, projects, and testing.
- Provide training in environmental and work place safety that meets appropriate industry standards.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Turf Management upon completion of the two-year program of study. A Turf Management Certificate is available upon completion of the first year of the program.

Industry Description: The turf management industry has shown a steady growth rate in job opportunities for trained turf professionals. The turf management sector employs individuals as groundskeepers, golf course maintenance supervisors, parks grounds supervisors, sports field supervisors, turf landscape technicians, turf grass specialists, and sod farm managers.

Entrance Requirements: It is recommended that the student contact the lead instructor regarding appropriate program placement and paying a priority list fee to determine specific quarter start in the program. Students may enter the program fall, winter or spring quarter, however, due to

TURF MANAGEMENT

course sequencing it is recommended to begin in the fall. A placement test and mechanical reasoning test offered by the Student Development Center must be completed prior to admittance to the program.

Other Information: For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Turf Management

This technical degree prepares the student with the practical knowledge and experience necessary join the turf maintenance industry in a number of entry-level or mid-level positions, and will have obtained the technical advantage with which the individual may moving quickly to mid-management positions within the industry.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Other Information: Courses in Spanish, Agri-Business, Agricultural Science, Civil Engineering Technology, Computer Technology, Turf Service Equipment Service Technician, and/or Water Management may be recommended to fulfill a student's areas of focus for the Turf Management Degree.

Year One

| Quarter One | Credits |
|---|-----------|
| AGPR 113, Plant Science I | 3 |
| AGPR 201, Basic Soil Science | 5 |
| TURF 101, Turf Equipment Operations I | 3 |
| TURF 122, Turf Maintenance Practices | 3 |
| WMGT 112, Irrigation Principles | 5 |
| Total Credits..... | 19 |

| Quarter Two | Credits |
|--|-----------|
| AGPR 202, Soils Fertility and Management | 5 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| SPCH 101, Fundamentals of Speech (O) | 5 |
| TURF 102, Turf Equipment Operations II | 3 |
| TURF 215, Turf Diseases and Insects | 3 |
| WMGT 110, Lawn and Turf Irrigation | 3 |
| Total Credits..... | 24 |

| Quarter Three | Credits |
|---|--------------|
| TURF 191, Cooperative Work Experience | 16 - 25 |
| TURF 192, Cooperative Seminar (R) | 2 |
| Total Credits..... | 18-27 |

| Quarter Four | Credits |
|--|--------------|
| TURF 291, Cooperative Work Experience II | 16 - 25 |
| TURF 292, Cooperative Seminar II (R) | 2 |
| Total Credits..... | 18-27 |
| Year One Total..... | 79-97 |

Year Two

| Quarter One | Credits |
|--|-----------|
| AGPR 140, Agriculture Safety and Health | 3 |
| OCSUP 103, Job Seeking Skills (J) | 3 |
| TURF 201, Turf Physiology | 6 |
| TURF 221, Landscape Maintenance and Construction | 5 |
| WRITE 100, Applied Writing (W) | 3 |
| Total Credits..... | 20 |

| Quarter Two | Credits |
|---|----------------|
| AGPR 105, Weed Biology and Identification | 5 |
| TST 252, Turf Equipment Fundamentals | 3 |
| TURF 211, Turf Management | 5 |
| TURF 231, Pesticides Licensing | 3 |
| TURF 299, Leadership (L) | 1 |
| WMGT 225, Irrigation Design | 6 |
| Total Credits..... | 23 |
| Year Two Total..... | 43 |
| Grand Total..... | 122-140 |

EPC: 160

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - OCSUP 103

(W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - TURF 299

(M) - BA 112, MATH 049, OCSUP 106, OCSUP 108

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - TURF 192, TURF 292

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) - Written Communications

(R) - Human Relations

Certificates

Certificate

Turf Management Certificate

This certificate is equivalent to the first year of the AAAS Degree in Turf Management.

Year One

| Quarter One | Credits |
|---|-----------|
| AGPR 113, Plant Science I | 3 |
| AGPR 201, Basic Soil Science | 5 |
| TURF 101, Turf Equipment Operations I | 3 |
| TURF 122, Turf Maintenance Practices | 3 |
| WMGT 112, Irrigation Principles | 5 |
| Total Credits..... | 19 |

| Quarter Two | Credits |
|--|-----------|
| AGPR 202, Soils Fertility and Management | 5 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| SPCH 101, Fundamentals of Speech (O) | 5 |
| TURF 102, Turf Equipment Operations II | 3 |
| TURF 215, Turf Diseases and Insects | 3 |
| WMGT 110, Lawn and Turf Irrigation | 3 |
| Total Credits..... | 24 |

| Quarter Three | Credits |
|---|--------------|
| TURF 191, Cooperative Work Experience | 16 - 25 |
| TURF 192, Cooperative Seminar (R) | 2 |
| Total Credits..... | 18-27 |

Quarter Four

| | |
|--|--------------|
| TURF 291, Cooperative Work Experience II | 16 - 25 |
| TURF 292, Cooperative Seminar II (R) | 2 |
| Total Credits..... | 18-27 |
| Year One Total..... | 79-97 |
| Grand Total..... | 79-97 |

EPC: 160C

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - OCSUP 103

(W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - TURF 299

(M) - BA 112, MATH 049, OCSUP 106, OCSUP 108

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - TURF 192, TURF 292

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Water Management

AAAS, CERTIFICATE

<http://wwcc.edu/water>

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Department Overview: Water Management provides practical, cooperative learning experience in both the agriculture and the turf industries. The study of irrigation principles and practices, water and energy conservation, pumps, and fluid hydraulics, troubleshooting, and installation prepare students for industry challenges. Graduates of the Water Management program are highly recruited to design, sell, install, operate, maintain, manage, and/or service turf, landscape, and agricultural irrigation systems. Students in the program have the unique opportunity to participate in a paid work experience in spring and summer quarters of the program. Some courses are offered via distance delivery. The Water Management curriculum is reviewed annually by an advisory board composed of local and regional industry members.

Mission: The mission of the Water Management Program is the education of students (both novice and experienced) in the newest application of irrigation principles and practices with an emphasis on current technologies in the conservation of water, energy and natural resources.

Goals:

- Provide the irrigation industry with highly trained, fully employable, skilled technicians.
- Develop relationships and/or partnerships with existing irrigation organizations and institutions in the continuing education of industry practitioners.

- Provide industry work experience during the educational process, giving students exposure to the actual application of irrigation principles and practices.
- Provide campus labs, classrooms, equipment and general facilities utilizing cutting edge technologies and practices.
- Provide highly trained instructors who have significant field experiences as successful practitioners in this industry.

Degrees: Students may earn an Associate in Applied Arts and Sciences Degree in Irrigation Technology upon completion of the two-year program of study. This degree prepares graduates for highly skilled entry-level positions within the industry and/or transferability to Washington State University. This provides students the flexibility to pursue a technical field of study with an option to continue their education and earn a Bachelor of Science degree. A Irrigation Technology Certificate is available upon completion of the first year of the program.

Industry Description: Water is a resource that impacts our lives on a daily basis. Due to water shortages, today and in the future, management of this precious resource is critical. With heightened emphasis on environmental concerns, the demand on water supplies requires that old, inefficient practices and systems be updated or replaced. This notion is creating a demand for a broad range of irrigation expertise. Knowledge of water management is important in the agriculture, turf maintenance, and landscape industries. The water management industry is experiencing a period of rapid technological advancement in labor saving and water conserving irrigation systems. Highly skilled technicians are required to design, install, operate and maintain these new technologies. Graduates of this program have been highly recruited, and job placement is exceptional.

Entrance Requirements: It is recommended that the student contact the lead instructor regarding appropriate program placement and paying a priority list fee to determine specific quarter start in the program. Students may enter the program fall, winter or spring quarter, however, due to course sequencing it is recommended to begin in the fall. A placement test and mechanical reasoning test offered by the Student Development Center must be completed prior to admittance to the program.

Scholarships: The Irrigation Technology Scholarship is funded by Nelson Irrigation, Inc. and awarded to students who intend to make a career in irrigation technology.

Other Information: For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Water Management

This technical degree prepares the student for immediate employment in the water management and irrigation service industry in both the rural and urban setting.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|---|-----------|
| EST 131, Principles of Electricity Theory * | 5 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| WMGT 100, Orientation to Irrigation | 3 |
| WMGT 112, Irrigation Principles | 5 |
| WMGT 135, Culture of Waters ** | 3 |
| Total Credits..... | 21 |

| Quarter Two | Credits |
|--|-----------|
| WMGT 141, Irrigation Troubleshooting | 7 |
| WMGT 143, Turf and Landscape Troubleshooting | 3 |
| WMGT 172, Irrigation Blueprints | 4 |
| WMGT 220, Drip Irrigation *** | 3 |
| WMGT 251, Watershed Management | 3 |
| Total Credits..... | 20 |

| Quarter Three | Credits |
|---|-----------|
| WMGT 191, Cooperative Work Experience*** | 13 |
| WMGT 110, Lawn and Turf Irrigation | 3 |
| WMGT 180, Developing Public Private Relations (L) | 2 |
| WMGT 192, Cooperative Seminar (R) | 2 |
| Total Credits..... | 20 |

| Quarter Four | Credits |
|--|-----------|
| WMGT 291, Cooperative Work Experience II | 16 |
| WMGT 292, Cooperative Seminar II (R) | 2 |
| Total Credits..... | 18 |
| Year One Total..... | 79 |

Year Two

| Quarter One | Credits |
|---------------------------------------|-----------|
| AGPR 201, Basic Soil Science | 5 |
| CET 223, Hydraulics | 4 |
| OCSUP 103, Job Seeking Skills (J) | 3 |
| WMGT 201, Water Policy ** | 3 |
| WMGT 241, Advanced Irrigation Systems | 5 |
| Total Credits..... | 20 |

| Quarter Two | Credits |
|---|------------|
| CET 250, Introduction to GIS | 3 |
| EST 260, Introduction to the National Electrical Code | 1 |
| SPCH 102, Oral Communications and Interpersonal Relationships (O) | 3 |
| WMGT 221, Pump Applications | 3 |
| WMGT 225, Irrigation Design | 6 |
| WMGT 230, Water and Energy Conservation *** | 3 |
| WRITE 100, Applied Writing (W) | 3 |
| Total Credits..... | 22 |
| Year Two Total..... | 42 |
| Grand Total..... | 121 |

EPC: 130

* Students may substitute EST 132, Principles of Electricity AC Application for EST 131, Principles of Electricity Theory.

** WMGT 135, Culture of Water is offered even years and WMGT 201, Water Policy is offered odd years. Students completing the one-year certificate may use either course.

*** WMGT 230, Water and Energy Conservation is offered even years and WMGT 220, Drip Irrigation is offered odd years. Students completing the one-year certificate may use either course.

**** AGPR 101, Introduction to Environmental Studies may be substituted for 5 credits of Cooperative Work Experience.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(J) - AGPR 100, BA 292, OCSUP 103, PSY 140

(W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110

(L) - BA 192, PSCI 125, WMGT 180

(M) - BA 112, MATH 050, OCSUP 106

(O) - OCSUP 102, SPCH 101, SPCH 102

(R) - BA 157, OCSUP 101, PSY 101, PSY 111, WMGT 192, WMGT 292

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Certificates

Certificate

Irrigation Technology Certificate

This certificate is equivalent to the first year of the AAAS Degree in Water Management.

Year One

| Quarter One | Credits |
|---|-----------|
| EST 131, Principles of Electricity Theory * | 5 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| WMGT 100, Orientation to Irrigation | 3 |
| WMGT 112, Irrigation Principles | 5 |
| WMGT 135, Culture of Waters ** | 3 |
| Total Credits..... | 21 |

| Quarter Two | Credits |
|--|-----------|
| WMGT 141, Irrigation Troubleshooting | 7 |
| WMGT 143, Turf and Landscape Troubleshooting | 3 |
| WMGT 172, Irrigation Blueprints | 4 |
| WMGT 220, Drip Irrigation *** | 3 |
| WMGT 251, Watershed Management | 3 |
| Total Credits..... | 20 |

| Quarter Three | Credits |
|---|-----------|
| WMGT 191, Cooperative Work Experience*** | 13 |
| WMGT 110, Lawn and Turf Irrigation | 3 |
| WMGT 180, Developing Public Private Relations | 2 |
| WMGT 192, Cooperative Seminar (R) | 2 |
| Total Credits..... | 20 |
| Year One Total..... | 61 |

Grand Total..... 61

EPC: 130C

* Students may substitute EST 132, Principles of Electricity AC Application for EST 131, Principles of Electricity Theory.

** WMGT 135, Culture of Water is offered even years and WMGT 201, Water Policy is offered odd years. Students completing the one-year certificate may use either course.

*** WMGT 230, Water and Energy Conservation is offered even years and WMGT 220, Drip Irrigation is offered odd years. Students completing the one-year certificate may use either course.

*** AGPR 101, Introduction to Environmental Studies may be substituted for 5 credits of Cooperative Work Experience.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(M) - MATH 050, OCSUP 106

(R) - BA 157, OCSUP 101, PSY 101, PSY 111, WMGT 192

(J) - Job Seeking Skills

(L) - Leadership

(M) - Computation/Mathematics

(O) - Oral Communications

(W) -Written Communications

(R) - Human Relations

Welding Technology

AAAS, CERTIFICATE

<http://wwcc.edu/welding>

Mike Haggard

509.527.4219

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Department Overview: Welding Technology offers a certified, state-of-the-art welding facility complemented by certified welding instructors. Students train and learn to meet the current certification requirements of manufacturing and construction industries and exploring many career alternatives related to the welding industry. The program's technical training complies with American Welding Society (AWS) standards, increases the students' understanding of welding, meets employers' expectations, and increases the students' ability to compete in the employment marketplace. Training includes oxyacetylene cutting and welding, brazing, soldering, blueprint/layout standards and methods, welding procedures specifications, testing methods, quality control, metallurgy, and safe work practices. Welder certifications are conducted according to AWS and WABO (Washington Association of Building Officials) standards. Process certifications are available and include plate and pipe welding using shielded metal arc, gas metal arc, and gas tungsten arc welding. The Welding curriculum is reviewed by an advisory board composed of local and regional industry members.

Mission: The mission of the Welding program is to provide quality training for entry-level skills and the related technical knowledge necessary for entry and advancement in the metals welding industry.

Goals:

- Assure the Welding program is in full compliance with AWS standards and the needs of the metals welding industry.
- Upgrade welding curriculum in terms of relevance to employer technical needs in the region.
- Enhance student enrollment, retention, and completion rates.
- Fully institutionalize aluminum and stainless steel welding certificate programs.

Degrees: Students may earn an Associate in Applied Arts and Science in Welding Technology upon completion of the second year of instruction. To demonstrate welding proficiencies, students must pass certification tests prior to completion. Welding certifications include plate and pipe welding using shielded metal arc, gas metal arc, and gas tungsten arc welding processes. To meet the degree requirements, welding students must become certified in at least two processes, with at least one according to WABO Standards. A Welding Technology Certificate is available upon completion of the first year of instruction in the program.

Industry Description: Welding is a joining process that produces coalescence of materials by heating them to the welding temperature forming a permanent bond. Due to the strength of this bond, welding is used in shipbuilding, automobile manufacturing and repair, aerospace applications, and thousands of other manufacturing activities. Welding is also used in the construction of buildings, bridges, pipelines, power plants, and refineries. Due to the wide variety of applications, welders utilize many types of welding processes: i.e. SMAW (Arc), GTAW (Tig), GMAW (Mig) and OAW/C (Gas), as well as soldering and brazing. The demand for qualified welders is increasing steadily as the industry strengthens certification requirements and improves construction standards.

Entrance Requirements: It is recommended that the student contact the lead instructor regarding appropriate program placement and paying a priority list fee to determine specific quarter start in the program. Students may enter the program fall, winter or spring quarter, however, due to course sequencing it is recommended to begin in the fall. A placement test and mechanical reasoning test offered by the Student Development Center must be completed prior to admittance to the program.

Scholarships: Key Technology, Inc. established the Welding Technology scholarship to reward overall performance in the classroom, to assist students who have demonstrated a high probability of success in welding technology, and to attract high caliber students to the welding profession. Full-time students enrolled in the WWCC Welding Technology program who have maintained a gpa of 3.0 are eligible to apply. Two students will be selected each fall to receive the \$500 scholarship. Recipients who maintain a gpa of 3.0 may receive additional funding for subsequent quarters.

Other Information: For additional information including regional employment data, completion rates, student characteristics, and employment see <http://www.wtb.wa.gov/etp>.

Degrees

Associate in Applied Arts and Sciences

Associate in Applied Arts and Sciences Degree in Welding Technology

This technical degree trains the student according to American Welding Society (AWS) standards. Through completion of this degree, the student will have completed the Washington Association of Building Officials (WABO) certification. Students will be prepared to enter the welding, manufacturing and/or fabrication industry.

Transferability: The AAAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Year One

| Quarter One | Credits |
|---|-----------|
| WELD 151, Shielded Metal Arc Welding I..... | 17 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| Total Credits..... | 22 |

| Quarter Two | Credits |
|--|-----------|
| WELD 152, Shielded Metal Arc Welding II..... | 17 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 20 |

| Quarter Three | Credits |
|---|-----------|
| CET 149, Blue Print Reading..... | 3 |
| WELD 153, Shielded Metal Arc Welding III..... | 17 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R) | 3 |
| Total Credits..... | 23 |
| Year One Total..... | 65 |

Year Two

| Quarter One | Credits |
|---|-----------|
| WELD 254, Shielded Metal Arc - Pipe | 17 |
| OCSUP 102, Oral Communication in the Workplace (O)..... | 3 |
| Total Credits..... | 20 |

| Quarter Two | Credits |
|---|-----------|
| WELD 255, Gas Tungsten Arc Welding..... | 17 |
| OCSUP 103, Job Seeking Skills (J)..... | 3 |
| Total Credits..... | 20 |

| Quarter Three | Credits |
|---------------------------------------|------------|
| WELD 256, Gas Metal Arc Welding | 17 |
| WELD 299, Leadership (L) | 1 |
| Total Credits..... | 18 |
| Year Two Total..... | 58 |
| Grand Total..... | 123 |

EPC: 814

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

- (J) - AGPR 100, OCSUP 103, PSY 140
 (W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110
 (L) - WELD 299
 (M) - BA 112, MATH 049, OCSUP 106
 (O) - OCSUP 102, SPCH 101, SPCH 102
 (R) - BA 157, OCSUP 101, PSY 101, PSY 111

- (J) - Job Seeking Skills (L) - Leadership
 (M) - Computation/Mathematics (O) - Oral Communications
 (W) - Written Communications (R) - Human Relations

Certificates

Certificate

Welding Technology Certificate

This certificate is equivalent to the first year of the AAAS Degree in Welding Technology.

Year One

| Quarter One | Credits |
|---|-----------|
| WELD 151, Shielded Metal Arc Welding I..... | 17 |
| OCSUP 106, Applied Mathematics I (M) | 5 |
| Total Credits..... | 22 |

| Quarter Two | Credits |
|--|-----------|
| WELD 152, Shielded Metal Arc Welding II..... | 17 |
| WRITE 100, Applied Writing (W)..... | 3 |
| Total Credits..... | 20 |

| Quarter Three | Credits |
|---|-----------|
| CET 149, Blue Print Reading..... | 3 |
| WELD 153, Shielded Metal Arc Welding III..... | 17 |
| OCSUP 101, Job Psychology: Workplace and Educational Success Skills (R) | 3 |
| Total Credits..... | 23 |
| Year One Total..... | 65 |
| Grand Total..... | 65 |

EPC: 814C

The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

- (J) - AGPR 100, OCSUP 103, PSY 140
 (W) - BA 137, ENG 100, ENG 101, WRITE 100, WRITE 110
 (L) - WELD 299
 (M) - BA 112, MATH 049, OCSUP 106
 (O) - OCSUP 102, SPCH 101, SPCH 102
 (R) - BA 157, OCSUP 101, PSY 101, PSY 111

- (J) - Job Seeking Skills (L) - Leadership
 (M) - Computation/Mathematics (O) - Oral Communications
 (W) - Written Communications (R) - Human Relations

Women's Studies

<http://wwcc.edu/womenstudies>

Susan Palmer 509.527.4489 susan.palmer@wwcc.edu
 Marleen Ramsey 509.527.4265 i.ramsey@wwcc.edu

Department Overview: The Women's Studies Department offers students an opportunity to learn about the past and present achievements and experiences of women and to understand more clearly the decisive role that gender has played and continues to play in human societies. Women's Studies is an interdisciplinary program which provides a frame of reference for understanding the contemporary and historical experience, roles, and contributions of both women and men.

Mission: The mission of the Social Sciences Division is to provide opportunities for students to better understand individual and group behavior, and develop skills to explore and analyze past and present society and culture.

Goals:

- Prepare students to transfer to four-year institutions.
- Introduce concepts, terminology, and factual evidence of the respective disciplines using appropriate classroom assessment techniques.
- Develop written and oral communication and critical thinking skills that require analysis and synthesis of course content.
- Provide opportunities to better understand the impact of diverse cultures in historical context on individual and group behavior.

Degrees: Students may earn an Associate in Arts (AA) Degree, which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should plan their programs at Walla Walla Community College in accordance with the requirements of the institution to which they plan to transfer.

To earn the Associate in Arts (AA) Degree, a student must complete at least 93 credit hours in college transfer courses numbered 100 or above with a minimum college-level gpa of 2.0, and include a minimum of 63 credit hours in general education courses. Courses cross-listed in two subject areas can be counted for credit in only one area.

Preparation for Success: A major in Women's Studies is strengthened by studies in psychology and sociology.

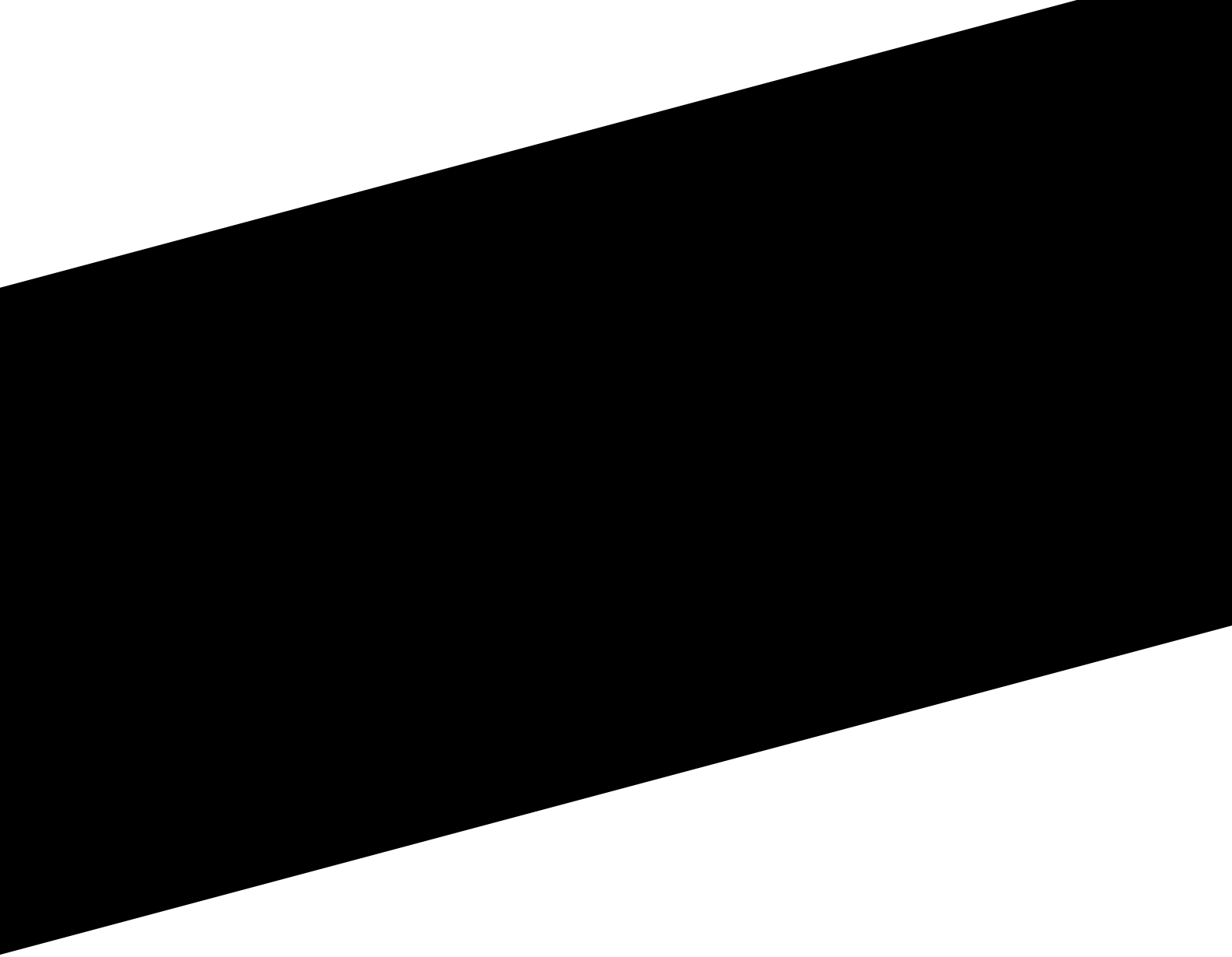
Writing

<http://wwcc.edu/writing>

Mindy Stevens 509.527.3678 mindy.stevens@wwcc.edu

Department Overview: Writing courses help students better understand and appreciate the English language. Studies in writing allow students to present their thoughts in a deliberate manner and to gain experience in the decision-making, problem-solving, and organizational skills that result in a well-written document.

Entrance Requirements: A placement test offered by the Student Development Center must be completed prior to enrolling in WRITE courses.





COURSE DESCRIPTIONS



Course Designators For Degree Requirements:**Communications**[C]**Humanities**.....[H]**(Performing/Fine Arts)**[HP]**Natural Science**.....[NS]**Quantitative Skills**.....[Q]**Physical Education**[PE]**Social Science**[S]**Accounting Technology****ACCT 115 Integrated Computer Applications for Accounting 5 Credits**

Computerized accounting systems, emphasizing various elements of an integrated general ledger package will be discussed. Special attention to hands-on operation of related accounting software packages. Prerequisites: CT 121 and ACCT 201.

ACCT 175 Payroll Accounting 5 Credits

Provides an understanding of payroll records and numerous laws that affect operation of a payroll system. Prerequisite: ACCT 201 or OT 161.

ACCT 199 Special Topics 1 - 5 Credits

Study and train to meet established local needs in the accounting industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

ACCT 201 Principles of Accounting I 5 Credits

Addresses the fundamentals of accounting theory and practice, including: study of the accounting cycle, use of special journals, and use of accounting in management decisions.

ACCT 202 Principles of Accounting II 5 Credits

Develops the accounting principles employed by partnerships and corporations with a heavy emphasis on the partners' and stockholders' equities. Also covers the time value of money concepts, which are used extensively throughout accounting. Prerequisite: ACCT 201.

ACCT 203 Managerial Accounting 5 Credits

Application of accounting concepts and techniques to managerial problems of planning and control are discussed. Accounting is viewed as a management tool. Prerequisite: ACCT 202.

ACCT 204 Intermediate Accounting I 5 Credits

Addresses financial accounting principles and practices, including study of the theory and principles underlying presentation and interpretation of working capital, investments, long-term liabilities, and stockholders equity. Prerequisite: ACCT 202.

ACCT 205 Intermediate Accounting II 5 Credits

Continuance of ACCT 204, Intermediate Accounting I. Topics include: study of long-term assets and liabilities, matching principle as it relates to the Income Statement and Income Recognition. Prerequisite: ACCT 204.

ACCT 209 Cost Accounting 5 Credits

In-depth understanding of cost accounting systems and application of differential cost for decision-making. Also develops background for using budgets. Prerequisite: ACCT 202.

ACCT 216 Principles of Income Tax 5 Credits

Reviews the federal tax structure and ability to apply tax principles to specific problems. Prerequisite: ACCT 202 or instructor permission.

ACCT 297 Special Projects 1 - 5 Credits

Project-oriented experiences in the area or applications not covered in the standard accounting curriculum. Prerequisite: Instructor permission, based on evaluation of students education and work experience.

Adult Basic Education**ABE 001 ABE Level I 1 - 12 Credits**

Instruction in reading, writing, and computational skills for individuals whose reading and/or computational grade level is 0-1. Placement is determined by intake test. Prerequisite: All students under 19 years of age must have a signed release form from the last school they attended. Students 16-17 years of age must first be admitted to the College following the Underage Admissions policy, which is available in the Student Development Center.

ABE 002 ABE Level II 1 - 12 Credits

Instruction in reading, writing, and computational skills for individuals whose reading and/or computational grade level is 2-3. Placement is determined by intake test. Prerequisite: All students under 19 years of age must have a signed release form from the last school they attended. Students 16-17 years of age must first be admitted to the College following the Underage Admissions policy, which is available in the Student Development Center.

ABE 003 ABE Level III 1 - 12 Credits

Instruction in reading, writing, and computational skills for individuals whose reading and/or computational grade level is 4-5. Placement is determined by intake test. Prerequisite: All students under 19 years of age must have a signed release form from the last school they attended. Students 16-17 years of age must first be admitted to the College following the Underage Admissions policy, which is available in the Student Development Center.

ABE 004 ABE Level IV 1 - 12 Credits

Instruction in reading, writing, and computational skills for individuals whose reading and/or computational grade level

is 6-8. Placement is determined by intake test. Prerequisite: All students under 19 years of age must have a signed release form from the last school they attended. Students 16-17 years of age must first be admitted to the College following the Underage Admissions policy, which is available in the Student Development Center.

ABE 005 Educational Interview 1 - 3 Credits

This learner-focused, orientation course can be offered with students one-to-one, in small or large groups, or in a combination of these configurations and should begin the first quarter of enrollment. Students can register for three consecutive 1-3 credit courses. The course must meet for at least ten hours and no more than 30 hours per quarter. State-mandated pre-testing and assessment testing as well as the College's registration process are included.

ABE 007 Family Management/Parent Education 1 - 4 Credits

Instruction includes components that will facilitate students' increased skills in balancing work and family. Instruction in reading, writing, and computational skills for individuals whose reading and/or computational grade levels are below ninth grade level as related to family literacy foundation skill components. Includes instruction in concepts and principles related to time and money/budget management; interactive literacy activities between parents and their children; training for parents regarding their role as first teacher; and integrated parent literacy training (ABE). Students may enroll anytime throughout the year. Placement and enrollment will be based upon WorkFirst eligibility and/or an assessment interview with the Family Literacy Program Coordinator. Students 16-17 years of age must first be admitted to the College following the Underage Admissions policy, which is available in the Student Development Center. Students enrolled in this Family Literacy program may take cluster courses, which include ABE 005, ABE 008, ABE 013, ABE 015, ABE Levels I-IV.

ABE 008 Integrated Basic Work Skills 1 - 4 Credits

Prepares individuals to re-enter, transition, or enhance employment opportunities. Instruction consists of basic reading, writing, and computation at a level below ninth grade. Placement and enrollment will be based upon WorkFirst eligibility and/or an assessment interview with the Family Literacy Program Coordinator. Students may enroll anytime throughout the year. Students 16-17 years of age must first be admitted to the College following the Underage Admissions policy, which is available in the Student Development Center. Students enrolled in this Family Literacy program may take cluster courses, which include ABE 005, ABE 007, ABE 013, ABE 015, ABE Levels I-IV.

ABE 013 ABE Math Level II 1 - 5 Credits

Instructional focus is on addition, subtraction, multiplication, division, practice solving one-and two-step word problems, simple measurement, and a review of multiplication facts. Minimum computational skills at a level of grades 4-5 as determined by intake placement test, or by instructor

permission. 1. Placement is determined by intake test. 2. Placement and enrollment will be based upon WorkFirst eligibility and/or an assessment interview with the Family Literacy Program Coordinator. Prerequisite: All students under 19 years of age must have a signed release from the last school they attended. Students may enroll anytime throughout the year. Students 16-17 years of age must first be admitted to the College following the Underage Admissions policy, which is available in the Student Development Center. Students enrolled in the Family Literacy program may take cluster courses, which include ABE 005, ABE 007, ABE 008, ABE 015.

ABE 014 ABE Math Level III 1 - 5 Credits

A focus on ratio, proportion, percent, simple geometry, algebra, review of fractions and decimals, and practice solving multi-step word problem skills to prepare students for the GED math test. Prerequisite: Computational skills at a minimum of grades 6-8 as determined by intake placement test, or by instructor permission. All students who are under 19 years of age must have a signed release form from the last school attended. Students 16-17 years of age must first be admitted to the College following the Underage Admissions policy, which is available in the Student Development Center.

ABE 015 ABE Reading and Writing Level II 1 - 5 Credits

A focus on understanding and summarizing written material that includes unfamiliar vocabulary, reading for information, and applying it to new situations. Writing emphasizes paragraph construction with sentences that clearly express complex ideas: short reports, informal letters, memos, personal narratives. Proofreading for capitalization and punctuation, and dictionary use to learn spelling, meaning and pronunciation are also emphasized. Prerequisite: Reading and writing skills at grade levels 3-5 as determined by intake placement test, or by instructor permission. All students who are under 19 years of age must have a signed release form from the last school attended. Students 16-17 years of age must first be admitted to the College following the Underage Admissions policy, which is available in the Student Development Center.

ABE 016 ABE Reading and Writing Level III 1 - 5 Credits

A focus on the development of reading skills to be used to comprehend, analyze, evaluate and infer from a variety of written material at an intermediate level, and on the development of writing skills to be used to write several connected paragraphs using correct punctuation, capitalization, usage, spelling, and more sophisticated sentence structure. Prerequisites: Reading and writing skills at the 6-8 grade level as determined by intake placement test, or by instructor permission. All students who are under 19 years of age must have a signed release form from the last school attended. Students 16-17 years of age must first be admitted to the College following the Underage Admissions policy, which is available in the Student Development Center.

Adult Basic Education / GED**GED 025 GED Preparation****1 - 12 Credits**

Provided in both traditional and bilingual settings, this course assists the student in preparing to pass the tests required for the General Education Development (GED). Emphasizes the areas of writing skills, natural science, social science, mathematics, literature and the arts. Prerequisite: Students under 19 years of age must have a signed release form from the last school they attended. Students 16-17 years of age must first be admitted to the College following the Underage Admissions policy, which is available in the Student Development Center.

Agri-Business**AGRI 102 Farm Records and Analysis****5 Credits**

Introduction to the principles of agri-business management. Identifies a practical system of farm record keeping with analysis of these records. Includes use of a computerized record keeping system.

AGRI 103 Farm and Ranch Business Management**5 Credits**

Introduction to the decision-making process and information needed to measure management performance. The economic principles and planning tools needed to develop basic management skills for family operated farms and ranches will be discussed.

AGRI 108 Computers in Agriculture**5 Credits**

Introduction to microcomputer applications using Microsoft Office software. Hands-on experience including: word processing, spreadsheets, graphical presentations, databases, operating systems, and basic internet access. Student may not earn credit for both AGRI 108 and CT 121.

AGRI 191 Cooperative Work Experience**1 - 25 Credits**

Opportunity to work in jobs directly related to the agriculture industry. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission.

AGRI 197 Ag Business Special Problems I**1 - 5 Credits**

Awards credits for approved independent study. Students earn credits based upon topics selected by student and guided by faculty.

AGRI 199 Special Topics**1 - 5 Credits**

Study and train to meet established local needs in the agri-business industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

AGRI 202 Microeconomics in Agriculture [SS]**5 Credits**

Introduction to microeconomics as applied to production, consumption, and marketing issues in the business and production sectors of the economy. Topics include: supply/demand theory, consumer choice theory, production theory, and costs of production. Student may not earn credit for both AGRI 202 and ECON 202.

AGRI 210 Agricultural Sales and Service**3 Credits**

Structure and background of personal selling, concepts of human relations, and communications as they relate to a sales presentation. The objective is to build good skills in selling and providing service to the customer.

AGRI 211 Agri-Business Management**5 Credits**

Responsibilities of a business manager and the tools used for decision-making. Emphasizes the areas of finance, daily operation, personnel management, and decision-making. Building good management skills is the objective.

AGRI 215 Plant Diseases and Insects**5 Credits**

Introduction to the identification, life cycles, and control of insects and diseases common to crops in Washington. Focuses on the fundamentals of entomology and plant pathology, not on specific problems and their control in a given crop.

AGRI 220 Agricultural Finance**5 Credits**

Tools and concepts useful to making financial management decisions in business firms will be discussed. Topics include: the role of national economic policy and the ways in which different financial institutions are operated.

AGRI 221 Agricultural Marketing**5 Credits**

Overview of the marketing system for agricultural commodities. Topics include: the effect of public policy, the role of commodity futures in the marketing system, price and price analysis, and marketing strategies. Recommended: One quarter economics.

AGRI 222 Agricultural Policy [SS]**5 Credits**

Goals, methods, and results of government programs and policies in agriculture. Topics include: the areas of international trade, domestic farm policy, food safety and quality, resource issues and the effect on agri-business. Recommended: One quarter economics and READ 098. Student may not earn credit for both AGRI 202 and PSCI 222.

AGRI 297 Special Projects**1 - 15 Credits**

Project-oriented experiences in the area or applications not covered in the standard agri-business curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

Agriculture Science and Technology**AGPR 100 Orientation to Agriculture****3 Credits**

A survey of the agriculture industry looking at different jobs, working conditions, employment structure, and employee-employer relationships. Each student builds a personal job portfolio to include: letters of application, resume, references and job interview techniques.

AGPR 101 Introduction to Environmental Sciences [NS]

5 Credits

Provides a study of natural and modified systems and their interactions with humans and other living organisms. Students will gain scientific understanding of natural environments and the effects of human modification upon the natural world. Topics include: climate, soil, water resources, riparian areas, hazardous waste, and pollution of air, food, water, and agriculture. Students will learn about assessment procedures and riparian habitat improvements used by local government agencies. Lab work required. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098. Student may not earn credit for both AGPR 101 and ESCI 101.

AGPR 105 Weed Biology and Identification

5 Credits

Introduction in weed science provides an understanding of the principles and methods of controlling weeds, use and development of herbicides, methods of application and rate calculation, sprayer components and calibration, and practical knowledge of plant and seed samples of weeds common to the Pacific Northwest.

AGPR 110 Introduction to Livestock Production

5 Credits

Introduction to the livestock industry and its importance to the U.S. economy. Animal products for consumers, biological principles, and management practices will be discussed.

AGPR 111 Animal Nutrition and Health

5 Credits

Introduction to animal nutrition and health topics which includes: major courses of nutrients required by all animals, utilization of these nutrients by farm animals, and health and safety considerations in terms of deficiencies or toxicities of specific nutrients.

AGPR 112 Feeds and Feeding

5 Credits

Addresses common feeding practices and nutrient characteristics of animal feeds. Topics include: ration formulation and ration requirements for cattle, sheep, hogs, and horses. Prerequisite: AGPR 111 or instructor permission.

AGPR 113 Plant Science I

3 Credits

Provides a practical understanding of plant anatomy, morphology and growth of agriculture crops.

AGPR 114 Plant Science II

3 Credits

Provides a practical understanding of plant structure, function and physiological processes involved in growth and development.

AGPR 115 Preventative Veterinary Medical Care

5 Credits

Basic information on animal health and disease prevention. Topics include: fundamentals of the nature of disease, nutrition, sanitation, disinfection, immunization, and basic husbandry practices.

AGPR 116 Meat Science I

5 Credits

The basic principles of anatomy, microbiology and nutritive value of meat. Information concerning food safety, meat inspection and grading and processing equipment will also be analyzed.

AGPR 120 Agricultural Chemistry

5 Credits

Fundamental course in chemistry which overviews the basics of inorganic, organic, and biochemistry with applications to agriculture and other applied science fields. Recommended: high school chemistry or equivalent.

AGPR 140 Agriculture Safety and Health

3 Credits

A synopsis of safety and health issues that impact the quality of life and productivity of American agriculture. Students receive first aid and CPR training.

AGPR 158 Greenhouse Crop Production I

1 - 5 Credits

Provides an opportunity to work with greenhouse crops. Instruction and demonstrations on propagation, care, and marketing of bedding plants, which are produced for resale.

AGPR 159 Greenhouse Crop Production II

1 - 5 Credits

Provides an opportunity to work with greenhouse crops. Instruction and demonstrations on propagation, care, and marketing of bedding plants, which are produced for resale.

AGPR 160 Greenhouse Crop Production III

1 - 5 Credits

Provides an opportunity to work with greenhouse crops. Instruction and demonstrations on propagation, care, and marketing of bedding plants, which are produced for resale.

AGPR 196 Livestock Production Special Problems I

1 - 5 Credits

Participate in a number of subjects dealing with livestock production on a structured or independent study basis. Prerequisite: Instructor permission.

AGPR 197 Livestock Production Special Problems II

1 - 5 Credits

Participate in a number of subjects dealing with livestock production on a structured or independent study basis. Prerequisite: Instructor permission.

AGPR 198 Livestock Production Special Problems III

1 - 5 Credits

Participate in a number of subjects dealing with livestock production on a structured or independent study basis. Prerequisite: Instructor permission.

AGPR 199 Special Topics

1 - 5 Credits

Study and train to meet established local needs in the agri-science industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

AGPR 201 Basic Soil Science [NS]

5 Credits

Provides an understanding of soil structure and composition as related to temperature, water, and other environmental controls. Emphasizes studying soils from a land use and management perspective.

AGPR 202 Soils Fertility and Management 5 Credits
Study of macro- and micronutrient uptake and utilization by plants and the fertilizer products used to supply different nutrients. Topics include: soil conservation, erosion control practices, and utilization of soil survey reports. Prerequisite: AGPR 201 or instructor permission.

AGPR 215 Field Crop Production 5 Credits
Production and management of field crops designed to provide the most current information in the production and management of agronomic crops important to the economy of the Pacific Northwest. Topics include plant and seed sample identification.

AGPR 216 Meat Science II 5 Credits
Principles of fabrication and marketing of meats, and the effects of preservation and storage on the physical and chemical properties of meat will be analyzed. Topics include: meat curing chemistry, smoking, and other processes used in the manufacturing of a variety of meat products.

AGPR 297 Special Projects 1 - 15 Credits
Project-oriented experiences in the area or applications not covered in the standard agriculture science curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

AGPR 299 Leadership 1 Credit
Students join the Ag Technology Club, conduct the business of the organization, and compete in PAS (Postsecondary Agricultural Students) employability skills contests. Designed to strengthen communication and leadership skills.

Allied Health and Safety Education

ALCDA 230 HIV/AIDS Education .4 - .7 Credit
Provides the health care professional with mandatory instruction involving information/knowledge associated with HIV/AIDS, hepatitis, tuberculosis, and related diseases. The seven-hour course presents the six state-required topics of etiology and epidemiology, transmission and infection control, testing and counseling, clinical manifestations and treatment, legal and ethical, and psychosocial.

ALCDA 231 Survey of Chemical Dependency 5 Credits
Introduction to the field of chemical abuse and dependency by examining use, abuse, and addiction as these relate to alcohol and other psychoactive licit and illicit drugs.

ALCDA 233 Physiological Actions of Alcohol and Other Drugs 5 Credits
Study of the physiological effects of alcohol and other drugs upon the human body, with a special emphasis on illegal street drugs.

ALCDA 235 Basic Chemical Dependency Counseling/Therapy 5 Credits
Counseling skills used in an individual counseling session with a client will be explored.

ALCDA 236 Group Dynamics in Chemical Dependency Counseling 5 Credits
Exposure to functions of the therapy group. Students will observe and participate in experiential exercises, which demonstrate how groups progress through various stages.

ALCDA 237 Chemical Dependency in the Family 5 Credits
Concept of addiction as a family disease. The relationship of the family system and family involvement will be analyzed. Modalities of treatment for family members and techniques of intervention will be explored.

ALCDA 238 Chemically Dependent Client 5 Credits
Acquaints the student with the main components of managing the chemically dependent client. The course will focus on the overview of case management, rules and regulations, treatment, record keeping, assessments, treatment planning, conferences and consultation, discharge planning, and latest trends in this growing field.

ALCDA 239 BloodBorne Pathogens .4 Credit
Meets the requirements for Bloodborne Pathogens as determined by the State of Washington. Topics include: etiology and epidemiology of AIDS, transmission and infection control, clinical manifestations and treatment, and risk reduction.

ALCDA 242 Relapse Prevention 5 Credits
Students will learn to exhibit skills necessary to facilitate clients in preventing relapse by effectively using relapse prevention counseling and recovery enhancements methods to identify and manage high-risk situations. Students will learn and practice these skills in group settings.

Allied Health and Safety Education

CPR 044 CPR Training .2 Credit
Provides the American Heart Association "Friends and Family" CPR training. This is basic CPR training offered for the general public and does not meet AHA healthcare provider requirements.

CPR 045 Heartsaver CPR (Basic CPR) .2 Credit
Provides instruction in CPR based on Standards established by the American Heart Association. Instruction is provided in CPR basic skills and relief of foreign-body airway obstruction for the adult. This course is intended for the general public.

CPR 049 Pediatric Basic Life Support .2 Credit
Designed for the general public and provides instruction in basic skills of CPR for the infant and child, and is based on standards established by the American Heart Association. The basic skills of CPR, relief of foreign-body airway obstruction, as well as prevention and safety components are provided.

CPR 050 AED

.2 Credit

The purpose of AED training is to familiarize the student with the proper use of Automatic External Defibrillators as established by American Heart Association protocols for public access defibrillation. This course is supplemental to Basic CPR training for the general public. Must have AHA CPR card issued within the last two years to enroll.

CPR 051 Basic Life Support (BLS) for Healthcare Providers

.4 Credit

Designed for healthcare providers and provides CPR instruction based on standards established by the American Heart Association. Instruction is provided in: CPR skills for victims of all ages, use of airway adjuncts, the AED, and relief of foreign body airway obstruction. This course is intended for individuals who provide health care to patients in a wide variety of settings.

CPR 052 BLS/CPR Instructor Training

.8 Credit

Provide the necessary knowledge and skills to facilitate BLS training adhering to the standards of the American Heart Association. The student must possess a current AHA Healthcare Provider card to enroll.

CPR 054 ACLS Renewal

1.6 Credits

Provides instruction in the theory and practical components of Advanced Cardiac Life Support (ACLS) using standards and guidelines established by the American Heart Association. Student must have an AHA ACLS card issued within the last two years to enroll.

CPR 055 BLS/CPR Instructor Update

.6 Credit

Provides the necessary knowledge review and skills evaluation to renew BLS/CPR Instructor status. This course will follow guidelines and standards established by the American Heart Association. Student must have a BLS/CPR Instructor card issued within the last two years to enroll.

Allied Health and Safety Education

HO 090 Pre-Nursing Assistant

6 Credits

Provides instruction in Fundamentals of Caregiving and Medical Terminology as a foundation for the beginner healthcare provider. The course has been developed as a precursor for students interested in taking the Nursing Assistant Training Program at a later time. Successful students will earn a Fundamentals of Caregiving certificate. Prerequisite: COMPASS 31-50 or ASSET 29-31; or minimum Level IV Casas.

HO 100 Nursing Assistant

7 Credits

Students who successfully complete the program will be eligible to take the State exam for Certification as a Nursing Assistant. Prerequisites: Placement testing at CASAS Level 5 or Read 88 and current Tuberculosis screening. Tuition plus a malpractice insurance fee, textbook and gait belt are required. Other materials may be required.

HO 101 Introduction to Health Sciences

3 Credits

Prepare to master difficult concepts that require critical thinking in the health care field. Students will be able to succeed through practice of written, oral and electronic communications used in the health science courses and workforce. This course is specifically targeted to students with emerging English participating in the Health Care Bridge Program. However, enrollment is not limited to this specific population. Prerequisite: Appropriate placement score or grade of C or higher in READ 088 and ENG 099; or instructor permission.

HO 102 Nursing Assistant/Advanced

1 - 5 Credits

An advanced training course designed for Nursing Assistants who have completed the basic course. Classroom, lab, and clinical components will prepare the student to work in a variety of settings.

HO 104 OTEP Training

.1 - .2 Credit

Meets the continuing education requirement for First Responders and EMT's to remain certified in Washington State. Courses cover the state mandated topics and are offered throughout the county under the direction of the Medical Program Director, Walla Walla County Emergency Medical Services. This curriculum is approved by the state and is offered in Walla Walla County and throughout the South Central Region of Washington. Student must be certified EMT-B or First Responder to enroll.

HO 106 Phlebotomy Technician Program

9 Credits

Prepares the student to perform competently and safely in a clinical setting as a phlebotomy technician. The student learns to collect, handle, transport, and process blood specimens for analysis. Upon successful completion of the course, the student will be eligible to sit for examination for certification with the American Society of Clinical Pathologists.

HO 110 HIV/AIDS Education

.4 - .7 Credit

Provides the health care professional with mandatory instruction involving information/knowledge associated with HIV/AIDS, hepatitis, tuberculosis, and related diseases. The seven-hour course presents the six state-required topics of etiology and epidemiology, transmission and infection control, testing and counseling, clinical manifestations and treatment, legal and ethical, and psychosocial.

HO 130 Emergency Medical Technician - Basic (EMT-B) Program

10 Credits

Instruction in delivering proper emergency care to the sick and injured in a pre-hospital setting. The overall goals are to save lives, reduce complications, and combine effective interpersonal communication with medical knowledge and skills for every patient. The course follows the DOT EMT-B curriculum with the addition of Washington State objectives as required by the Washington State Department of Health,

Division of Emergency Medical and Trauma Services. Upon completion of this course, the student who is affiliated with an EMS agency is eligible to take the state EMT-B certification exam. Students completing this course may also participate in the National Registry of Emergency Medical Technicians (NREMT) EMT-B examination.

HO 132 First Responder 5 Credits

Provides the student with basic skills necessary to provide the initial emergency care in a pre-hospital setting to victims of accidents or illness. First Responders are initial caregivers in an emergency situation and have knowledge and skill level above basic first aid and below the Emergency Medical Technician. Students who successfully complete the course are eligible to take the state certification exam.

HO 135 Intermediate Life Support 9 Credits

Current healthcare topics and continuing education are offered as it relates to the direct care provider. Instruction will be given in starting IVs and airways, intubation, in-depth patient assessment, and administering aspirin, albuterol, dextrose, epinephrine, naloxone, and nitroglycerin chemicals. Prerequisite: At least one year service as EMT, affiliation with local fire department willing to provide insurance.

HO 150 Healthy Lifestyle 1.5 Credits

Provides an insightful overview of healthy lifestyles. Students learn about diabetes, obesity, cholesterol, effects of smoking, and other aspects of modern living. Learn current information related to influenza (the flu) and the common cold. This course is intended for both healthcare providers and the general public.

HO 161 Basic Arrhythmias 1.7 Credits

Introduction to both normal and abnormal cardiac rhythms. A review of cardiac anatomy and physiology followed by general information regarding rhythm strips will be part of the class. The remainder of the course will focus on recognition of the common arrhythmias. Recommended: BIO 210 or 211; or previous medical experience.

HO 162 12 Lead ECG Interpretation 5 Credits

Introduction to the 12 lead ECG. Topics include: axis deviation, Bundle Branch Blocks, Acute MI patterns and Acute Coronary Syndromes.

HO 172 Pharmacology 2 Credits

An overview of the principles of pharmacology and general drug classifications and formulations. Legal aspects of medication administration will be discussed. The students will be introduced to the care and handling of many medications and receive an awareness of drug related problems. Much of the course will focus on medications used in surgery.

HO 266 Physical Assessment 3 Credits

Designed as a review for the practicing nurse or allied health professional, or as an introduction to the second year student nurse. It combines the science of anatomy and physiology with the clinical application of assessment skills. Content will begin with a technique for history-taking and then assess the various body systems. This course may be offered over a quarter or may be divided up in an A and B series. This course is open to Nurses, Allied Health Professionals, and second year Nursing students.

HO 280 Medical Vocabulary 2 Credits

Introduction to basic medical vocabulary. A systematic approach is used beginning with root words, prefixes, and suffixes. The text is arranged by body systems and provides the student essentials needed for a solid medical vocabulary.

Allied Health and Safety Education

IFA 022 Medic First Aid Basic .4 Credit

A fundamental training program in emergency care that incorporates CPR and other emergency skills into a single course. Emphasizes utilizing the priorities of care and approach to the patient as demonstrated by professional emergency care providers. The core program provides minimum information and skills for a variety of environments and can be supplemented with additional first aid topics specific to the needs of the course participants. Available on-campus as well as on a contract basis throughout Walla Walla and Columbia counties.

IFA 023 Medic First Aid Re-Certification .2 Credit

A review of basic Medical First Aid that provides the student with CPR training and other emergency skills. Priorities of care are reviewed, and key components of the basic course are demonstrated. In order to take the re-certification course, the basic course must have been taken within the prior two-year period. Students must have Medic First Aid card issued within the last two years to enroll.

IFA 024 Pediatric First Aid .5 Credit

A training course in basic emergency care with a focus on infants and children. CPR and first aid are integrated into one course, allowing the student to function with one set of priorities beginning with airway, breathing, and circulation following the same priorities of care used by professionals. Emphasizes prevention strategies and development of the seven skills of patient care.

Anthropology

ANTH 101 Introduction to Anthropology 5 Credits

Introduction to the study of anthropology. Provides a brief study of the four main subfields of anthropology: Biological Anthropology, Archaeology, Cultural Anthropology, Linguistics, and various cultures around the world.

ANTH 202 Cultural Anthropology [SS] 5 Credits

Holistic and comparative study of culture in selected communities around the world which illustrate unity and diversity in human culture.

Art

ART 100 Art Appreciation [H] 5 Credits

Study and appreciation of the various periods in the history of art and the materials and methods used by artists.

ART 101 Drawing I [HP] 4 Credits

Introductory course which explores the basic techniques of drawing using a variety of media such as charcoal, pen and ink, oil pastel, and mixed media. Appreciation and study of drawings by major artists are also included. Daily assignments and lab hours required. Materials to be purchased.

ART 102 Drawing II [HP] 4 Credits

Intermediate course which explores the basic techniques of drawing using a variety of media such as conte crayon, charcoal, pen and ink, oil pastel, and mixed media. Appreciation and study of drawings by major artists are also included. Daily assignments and lab hours required. Materials to be purchased. Prerequisite: ART 101.

ART 103 Drawing III [HP] 4 Credits

More advanced drawing course for students who are interested in drawing the human figure. Continued study of line, shape, value, texture, and color with emphasis on composition of life drawings. Also an appreciation and study of major artists. Daily assignments and lab hours required. Materials to be purchased. Prerequisite: ART 101 or instructor permission.

ART 104 Design I (Black and White) [HP] 4 Credits

Study and application of the formal elements of art structure. Problems in organization of line, shape, value, texture, and color. Emphasis on composition and presentation of black and white and designs. Materials to be purchased.

ART 105 Design II (Color) [HP] 4 Credits

Study and application of the formal elements of art structure. Problems in organization of line, shape, value, texture, and color. Emphasis is on composition of color designs. Materials to be purchased.

ART 106 Design III (Three-Dimensional Design) [HP] 4 Credits

Study and application of the elements of three-dimensional art structure. Emphasis on composition and presentation of three-dimensional designs. Lab hours required and materials to be purchased.

ART 124 Women Artists: A Historical Survey [H] 5 Credits

Focuses on the unique artistic contributions of women artists through history from the middle ages to the present. Student may not earn credit for both ART 124 and WST 124.

ART 127 History of Western Art I [H] 5 Credits

Architecture, sculpture, painting, and crafts are studied for an examination and understanding of style. A study of art of Europe, Egypt, and the Near East from the Prehistoric Period through the Middle Ages. Craftsmanship, and cultural function will be discussed. This course is the first in a three-quarter sequence but may be taken out of sequence.

ART 128 History of Western Art II [H] 5 Credits

Study of art in Europe and Early America from the fourteenth through the eighteenth centuries. Architecture, sculpture, painting, and crafts are studied. Special attention is given to the theme of the changing role of the artist. This course is the second in a three-quarter sequence but may be taken out of sequence.

ART 129 History of Western Art III [H] 5 Credits

Study of art in Europe and the U.S. made during the nineteenth and twentieth centuries. Architecture, sculpture, painting, printmaking and the photo arts, are studied. Influences of the past, combined with the rapid technological and cultural changes of the Modern Age, are explored to develop an understanding of the art of our own times. This course is the third in a three-quarter sequence but may be taken out of sequence.

ART 130 Painting I [HP] 4 Credits

Exploration of the various methods of painting. Emphasis on composition and presentation of acrylic paintings. Also includes appreciation and study of paintings by major artists. Lab hours required and materials to be purchased.

ART 131 Painting II [HP] 4 Credits

Intermediate course for exploration of the various methods of painting. Emphasis on composition and presentation of acrylic paintings. Also includes appreciation and study of paintings by major artists. Lab hours required and materials to be purchased. Prerequisite: ART 130.

ART 132 Painting III [HP] 4 Credits

Advanced course for exploration of the various methods of painting. Emphasis on composition and presentation of acrylic paintings. Also includes appreciation and study of paintings by major artists. Lab hours required and materials to be purchased. Prerequisite: ART 131.

ART 151 Printmaking I [HP] 4 Credits

Exploration of the relief, silkscreen, and intaglio methods of printmaking. Materials to be purchased. Lab hours required.

ART 152 Printmaking II [HP] 4 Credits

Exploration of the relief, silkscreen, and intaglio methods of printmaking. Lab hours required and materials to be purchased.

ART 153 Printmaking III [HP] 4 Credits

Exploration of the relief, silkscreen, and intaglio methods of printmaking. Lab hours required and materials to be purchased.

ART 160 Ceramics I [HP] 4 Credits

Introduction to theory, history, and aesthetics of ceramics with emphasis on various hand building methods. Lab hours required and materials to be purchased.

ART 161 Ceramics II [HP] 4 Credits

Theory, history, and aesthetics of ceramics using hand building methods with a focus on wheel throwing. Lab hours required and materials to be purchased. Prerequisite: ART 160 or instructor permission.

ART 162 Ceramics III [HP] 4 Credits

Theory, history, aesthetics of ceramics using hand building and wheel thrown forms. Lab hours required and materials to be purchased. Prerequisite: ART 161 or instructor permission.

ART 167 Sculpture I [HP] 4 Credits

Introduction to the theory and application of three-dimensional forms in space using a variety of media such as clay, plaster, wire, steel assemblage, and bronze.

ART 168 Sculpture II [HP] 4 Credits

Theory and application of three-dimensional forms in space using a variety of media such as clay, plaster, wire, steel assemblage and bronze. Prerequisite: ART 167 or instructor permission.

ART 169 Sculpture III [HP] 4 Credits

Theory and application of three-dimensional forms in space using a variety of media such as clay, plaster, wire, steel assemblage, and bronze. Prerequisite: ART 168 or instructor permission.

ART 199 Special Projects 1 - 5 Credits

For intermediate students wishing to expand their knowledge and to develop their skills in the various fine arts media through directed individual studies. Prerequisite: Instructor permission.

ART 230 Painting IV 4 Credits

Advanced exploration of the various methods of painting. Emphasis on composition and presentation of acrylic painting projects, but students may choose to work with

other media. Lab hours required and materials to be purchased. Prerequisite: ART 132.

ART 260 Ceramics and Sculpture I [HP] 4 Credits

Theory, history, aesthetics of ceramics using hand building and wheel thrown forms. Lab hours required and materials to be purchased. Prerequisite: ART 162 or instructor permission.

ART 261 Ceramics and Sculpture II [HP] 4 Credits

Theory, history, aesthetics of ceramics using hand building and wheel thrown forms. Lab hours required and materials to be purchased. Prerequisite: ART 260 or instructor permission.

ART 262 Ceramic and Sculpture III [HP] 4 Credits

Theory, history, aesthetics of ceramics using hand building and wheel thrown forms. Lab hours required and materials to be purchased. Prerequisite: ART 261 or instructor permission.

ART 299 Special Projects 1 - 5 Credits

For advanced students wishing to expand their knowledge and to develop their skills in the various fine arts media through directed individual studies. Students must consult with the instructor before enrolling. Prerequisite: Instructor permission.

Astronomy

ASTR 110 The Solar System [NS] 5 Credits

Examination of the formation of our solar system and the nature of our sun and planets. Topics include: historical development of the science of astronomy. Lab work required. Prerequisite: MATH 065; appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

ASTR 115 Stellar Astronomy [NS] 5 Credits

Explores the formation, evolution, and death of stars. Our sun is used as an example of ordinary stars in their middle age. The birth of stars and the final states they may occupy at their deaths are treated extensively. Extraordinary stars, extremely massive stars, black holes, neutron stars, white dwarfs, etc., are discussed. Lab work required. Prerequisites: MATH 065; appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

ASTR 120 Galaxies, the Universe and Cosmology [NS] 5 Credits

Current ideas concerning the nature of galaxies and the universe as a whole. Topics include (all in a descriptive, predominately non-mathematical manner): general relativity and curved space time, black holes, quasars, and The Big Bang model of cosmology. This course does not include

a lab. Prerequisites: MATH 065; Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

Auto Body Repair Technology

ABT 100 Introduction to Auto Body Repair 1 - 21 Credits

Provides high school students with an overview of the auto body repair industry. Topics include: body shop safety, use of common hand tools, power tools, body hand tool operations and body fasteners. Prerequisite: Running Start high school.

ABT 104 Introduction to Auto Body Repair I 1 - 21 Credits

Introductory evening course for the auto body repair industry. Topics include: body shop safety, use of common hand tools, power tools, body hand tool operations and body fasteners.

ABT 105 Introduction to Auto Body Repair II 1 - 21 Credits

Evening course for the auto body repair industry. Topics include: body shop safety, use of common hand tools, power tools, body hand tool operations and body fasteners. The study of mild and high strength steel, sheet metal design, and collision damage analysis will be covered.

ABT 161 Auto Body Repair I 1 - 21 Credits

Body shop safety, use of common hand tools, power tools, body hand tool operations, and body fasteners will be covered. The study of mild and high strength steel, sheet metal design, and collision damage analysis.

ABT 162 Auto Body Repair II 1 - 21 Credits

Provides job planning, sheet metal repair, and metal finishing operations. Glass replacement, the alignment of doors, hoods, fenders, and applying body plastic filler and fiberglass repair will also be covered.

ABT 163 Auto Body Refinishing 1 - 21 Credits

Spray painting equipment and facilities, spraying techniques, surface preparation, undercoat materials and applications, spot painting and blending, complete painting and color theory, matching fundamentals and techniques will be covered.

ABT 191 Cooperative Work Experience 1 - 5 Credits

Opportunity to work in jobs directly related to the auto body industry. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission.

ABT 192 Cooperative Seminar 1 Credit

Students explore issues related to their cooperative work experience focusing on effective workplace relationships. Co-requisite: ABT 191.

ABT 199 Special Topics

1 - 10 Credits

Study and train to meet established local needs in the auto body repair industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

ABT 264 Unibody Rebuilding

1 - 21 Credits

Unibody and frame repair; the replacement of structural components; fundamentals of electricity; reading of wiring diagrams; chassis wiring and repairs; repairing power windows, power seats, and other accessory units will be covered.

ABT 265 Electrical Mechanical

1 - 21 Credits

Repair of suspension and steering systems, brake systems, air conditioning systems, cooling systems, drive trains, fuel intake and exhaust systems, and restraint systems. Four wheel alignment and corrections will be covered.

ABT 266 Damage Estimating and Shop Operation 1 - 21 Credits

Introduction to procedure and sequence of writing collision damage estimates. Familiarization with body shop management. Introduction to material (physical) damage, insurance policies, and adjusting. Identification and repair procedures for plastic repair.

ABT 267 Advanced Auto Body Technology 1 - 21 Credits

Provides advanced training for students who have completed the AAAS Degree in Auto Body Repair Technology and desire specialized training in a specific area. Prerequisite: Instructor permission.

ABT 297 Special Projects

1 - 21 Credits

Project-oriented experiences in the area or applications not covered in the standard auto body curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

ABT 299 Leadership

1 Credit

Encourage students to develop awareness of their leadership potential and abilities through small group discussions and assumption of leadership roles and responsibilities. Students will acquire information, experience diverse points of view, construct knowledge and practice a variety of interpersonal and social skills, such as communicating, goal-setting, decision-making, team-building, and managing stress.

Auto Mechanics

AMM 100 Introduction to Auto Repair

6 Credits

Provides high school students with an overview of the auto mechanics repair industry. Topics include: shop safety, using and handling of hazardous materials, Employee Right to Know information, hand and power tool identification, fastener identification (Metric and American Standard) measuring systems using outside and inside micrometers, dial indicators and calipers. Students will individually complete a hands-on tap and die project. In the shop students will

learn basic hands on automotive servicing (changing fluid and filter) manual transmission and differential lubrication service, tire servicing (rotation, mounting, balance and flat repair) battery service, load testing and charging, repairing basic light circuits, replacing fuel and air filters. Prerequisite: Running Start high school.

AMM 104 Introduction to Auto Mechanics Repair I 1 - 21 Credits

Introductory evening course for the auto mechanics repair industry. Topics include: shop safety; handling and storing of hazardous materials; operation of typical shop equipment; micrometer reading; drills, taps, and dies; basic servicing, and repair procedures in a lab/shop environment. The student will be required to do hands-on diagnosis and repair of vehicles.

AMM 105 Introduction to Auto Mechanics Repair II 1 - 21 Credits

Evening course for students wanting to enter the automotive repair industry. Topics include presentations and practical applications of: oil and filter changing; vehicle safety checks; proper operation of accessories; repacking wheel bearings; tire servicing, rotation, mounting, and balancing; battery service, load testing, and charging; minor repair of electrical circuits; and minor engine tune-up.

AMM 141 Auto Related Industry 1 - 21 Credits

Introduction to the auto mechanics repair industry. The student will learn automotive terminology, shop safety, handling and storing of hazardous materials; identification and operation of shop equipment, identification and use of hand tools, micrometer use and measure given objects within a .0005 tolerance and the use of drills, taps and dies. The student will become familiar with all major components of the vehicle. Students will be required to learn basic fundamentals and service of automotive fuel delivery and fuel injection systems. This course is structured to provide competency-based application of NATEF automotive repair tasks in a working shop environment.

AMM 142 Auto Electric and Auxiliary Systems 1 - 21 Credit

Instruction in basic electricity to provide the student an understanding of electrical theory to include amp flow, voltage, resistance, Ohms Law, electrical circuits, reading wiring diagrams and how to read and use digital or analog volt/ohms/amp meters. Emphasis placed on diagnosis and repair of electrical systems and their components. Provides the student with the background and knowledge to pass ASE certification examinations.

AMM 143 Ignition Systems/Basic Air Conditioning and Wheel Alignment Theory 1 - 21 Credits

Instruction in the automotive ignition system, air conditioning, and wheel alignment fundamentals. Includes distributorless, and computerized systems with an emphasis on diagnosis and repair of the automobile ignition system using oscilloscopes, hand held scan tools and digital volt-ohm meters in hands-on

shop settings. The student will learn basic air conditioning theory and system repair, suspension and four-way alignment theory and application. Also, covers tire and wheel diagnosis and service. This course provides the student with the knowledge and practice of NATEF tasks in preparation to take the electrical A6 ASE certification examination.

AMM 191 Cooperative Work Experience 1 - 21 Credits

Opportunity to work in jobs directly related to the auto mechanics industry. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission.

AMM 192 Cooperative Seminar 1 Credit

Explore issues related to cooperative work experience focusing on effective workplace relationships. Co-requisite: AMM 191.

AMM 199 Specials Topics 1 - 10 Credits

Study and train to meet established local needs in the auto mechanics industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

AMM 244 Auto Engine Rebuilding 1 - 21 Credits

Instruction in the disassembly, inspection, and reassembly of the gasoline internal combustion engine. Hands-on applications including emphasis on disassembly, cleaning and inspection of cylinder block and cylinder head components; instruction in the use of precision measurement tools to measure wear of cylinders and other major components of the engine. Topics include: grinding valves, checking guides, and installing rod, main and cam bearings, timing gears and chain, pistons and rings. This course is structured to prepare the student to take ASE certification examinations.

AMM 245 Automatic/Manual Transmissions and Differentials 1 - 21 Credits

Instruction on the theory and repair of automatic and manual transmissions, differentials with emphasis on diagnostic procedures, identifying transmission related drivability problems, and completing repairs. Students will practice competency-based application of NATEF automotive repair tasks in a working shop environment. Prerequisite: AMM 143.

AMM 246 Brake Systems, Advanced Air Conditioning and Suspension/Alignment Diagnostics 1 - 21 Credits

Training in the theory and repair of brake systems, drum, disc and anti-lock; advanced training in heating/air conditioning system diagnostics both manual and computer controlled; advanced training in suspension 4-way wheel alignment drivability problem-solving using the latest Hunter computerized 4-way aligner. This course is structured to prepare the student to take ASE certification examinations. Prerequisite: AMM 143.

AMM 247 Advanced Auto Mechanics **1 - 21 Credits**
Provides advanced training for students who have completed the AAAS Degree in Auto Mechanics and desire specialized training in a specific area. Prerequisite: Instructor permission.

AMM 297 Special Projects **1 - 21 Credits**
Project-oriented experiences in the area or applications not covered in the standard auto mechanics curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

AMM 299 Leadership **1 Credit**
Encourage students to develop awareness of their leadership potential and abilities through small group discussions and assumption of leadership roles and responsibilities. Students will acquire information, experience diverse points of view, construct knowledge and practice a variety of interpersonal and social skills, such as communicating, goal-setting, decision-making, team-building, and managing stress.

Biological Sciences

BIO 105 Exploring Biology I [NS] **3 Credits**
Focuses on the underlying principles of living organisms. Molecules, cell structure and function, metabolism, energy, cell division, DNA, inheritance, and proteins are topics covered at the cellular level. Microevolution, macroevolution, populations and communities, and ecosystems are topics covered at the organism level. This course does not include a lab. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

BIO 106 Exploring Biology II [NS] **3 Credits**
Provides a survey of the living world and begins with the general characteristics of viruses, bacteria, protists, fungi, plants, and animals. Also discusses the physiology and systems of plants and animals. This course does not include a lab. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

BIO 110 Survey of Biology [NS] **5 Credits**
Developed around central themes in contemporary biology, this course emphasizes ecology, genetics, evolution and the diversity of life. Units on cells, plants, and animals illustrate the characteristics of living organisms and basic life processes. Discussions of recent advances in biology and the problems incurred will be included. This course is primarily intended for undecided or non-science students. Lab work required. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

BIO 119 Human Anatomy for Medical Office Professionals **5 Credits**
Provides the comprehensive anatomy knowledge base required for successful job performance as a medical administrative assistant, medical billing and insurance specialist, medical coder or medical transcriptionist. Anatomy of all major body systems is analyzed. This course does not include a lab. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099 or BA 136; or permission of the Science Division Chair or designee. Recommended: OT 280; READ 098.

BIO 120 The Biology of Human Organism [NS] **5 Credits**
Evolution, ecology, nutrition, the functioning of cells, tissues, and the major organ systems will form the core of this course. Emphasis on providing sufficient background to make informed decisions relating to the biological aspects of the human body. This course is designed primarily for the non-science major. Lecture is supported by video presentations, dissections, possible field trips and outside speakers. Lab work required. This course does not fulfill the requirements for the Nursing program. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

BIO 121 Biology of Women [NS] **3 Credits**
Designed to examine biological issues related to the distinctive anatomical and physiological characteristics and qualities of women. This course does not include a lab. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098. Student may not earn credit for both BIO 121 and WST 121.

BIO 130 Modern Ecology [NS] **5 Credits**
Study of the interrelationships of organisms with their environment. General ecological principles are applied to contemporary problems such as pollution, endangered species, energy shortages, and over-population. Field trips and lab exercises support lecture discussions. Lab work required. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

BIO 140 Genetics and Society [NS] **3 Credits**
The study of genetics as it relates to current issues, the history of genetics, genetic engineering, medical, agricultural, and population genetics and ecology. Lab work required. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

BIO 151 Cell Biology [NS] **5 Credits**
Introduction to the study of the cell, the basic component of all living organisms. Course intended to provide a solid background for students planning to take advanced biology courses in order to enter pre-professional programs in

biology. Emphasis placed on cell chemistry, structure, metabolism, energetics, cell division and genetic principles. The basics of DNA technology are also covered. Lab work required. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

BIO 152 General Botany [NS] 5 Credits

Introduction to the basic structure and function of stems, roots, leaves, flowers, fruits, and seeds. Growth, hormones, plant movements, photosynthesis, genetics, plant breeding, plant taxonomy, and a survey of the kingdoms Protista, Fungi, and Plantae are included. Lab work required. Prerequisite: BIO 110 or 151.

BIO 153 General Zoology I [NS] 5 Credits

General structure and classification of animals followed by a more detailed treatment of the anatomy, physiology and behavior of each of the invertebrate phyla. Lectures are supported by dissections, experiments, and field trips. Lab work required. Prerequisite: BIO 110 or 151.

BIO 160 Biological Events in History [NS] 3 Credits

Examines historical events from biological and ecological perspectives. Many important events in history are based on interactions between humans and other types of living organisms. Topics include: the Irish potato famine, bubonic plague, and small pox. This course does not include a lab. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

BIO 170 Equine Biology 3 Credits

Focuses on the structure and function of the horse. Topics include: units on the skeletal, muscular, digestive, and reproductive systems. Nutrition, health care, emergency aid, and disease prevention will also be discussed. This course does not include a lab. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

BIO 202 General Zoology II [NS] 5 Credits

The biology and classification of vertebrate animals followed by units on comparative animal physiology, genetics and evolution. Lectures are supported by dissection, experiments, and field trips. Lab work required. Prerequisite: BIO 110, 151 or 153.

BIO 210 Human Anatomy and Physiology I [NS] 5 Credits

Study of the structure and function of the human body. Topics include: introduction to the human body, histology, and the skeletal, muscular, and nervous systems. Instruction includes: mammalian dissections, model study, microscopy, lectures and multi-media presentations. Lab work required. Prerequisite: Grade of C or higher in BIO 151.

BIO 211 Human Anatomy and Physiology II [NS] 5 Credits

Study of the structure and function of the human body. Includes the following systems: endocrine, cardiovascular, respiratory, digestive, urinary. Mammalian dissections, tissue and fluid analyses, and microscopic histologic observations are emphasized in the lab. Lab work required. Prerequisite: Grade of C or higher in BIO 210.

BIO 212 Human Anatomy and Physiology III [NS] 5 Credits

Study of the structure and function of the human body. Topics include: reproductive system, embryology, special senses, lymphatic and immune system, metabolism, and fluids and electrolytes. Lab work required. Prerequisite: Grade of C or higher in BIO 210 and 211.

BIO 221 Survey of Plant Identification [NS] 5 Credits

Introduction to plant identification with emphasis on plants native to Eastern Washington. Techniques of collection, preservation, mounting, and flora identification through use of plant identification keys will be applied. Basic botany principles related to the structure and function of a typical flowering plant will be introduced. Lab work required. Prerequisite: BIO 110, BIO 152, AGPR 113, AGPR 114 or AGRI 215.

BIO 230 Microbiology [NS] 5 Credits

Study of the general biology of microorganisms and their classification, morphology, and physiology with emphasis on the importance of microorganisms causing infectious diseases. Immunology will be discussed as it pertains to the microorganisms. Culturing and characterization of microorganisms are the focus of the lab. Lab work required. Prerequisite: Grade of C or higher in BIO 151 or permission of the Science Division Chair or designee.

Business Administration

BA 101 Introduction to Business [SS] 5 Credits

Survey course for individuals who have a limited background in business. Introduction to various environment issues that businesses operate within, including the history of business, typical forms of business, accounting, management styles, marketing elements and e-business.

BA 102 Customer Service 5 Credits

Review the many skills that make up effective customer service, including: customer behavior, determining customer needs, handling difficult customers, selling customer services, encouraging customer loyalty, and practicing service recovery.

BA 112 Business Mathematics 5 Credits

Develops competency in common business calculations for use in financial decision-making including: percentages, trade and cash discounts, pricing, simple and compound interest, discounting, annuities and sinking funds. Calculations performed on calculator and formulas developed for use in spreadsheet software. Recommended: MATH 049.

BA 136 Business Communications I 5 Credits

A comprehensive review of correct language usage and structure for business writing including: grammar, punctuation, business vocabulary, capitalization, and frequently misspelled words. Recommended: ENG 089.

BA 137 Business Communications II 5 Credits

Introduces the correct structure and writing technique for a variety of business documents including electronic and oral communication in today's business world. Prerequisite: BA 136 or instructor permission.

BA 153 Economic Survey 4 Credits

Develop the background necessary to conduct a marketing research project, including: tools of research, planning and design, methodologies of research design, and presenting the results of research.

BA 154 Economic Survey II 4 Credits

Plan a research project that includes describing problem(s) to be solved, reviewing related literature, deciding on statistical method that will be used, selecting the style and format of the research, conducting the research, and writing the research report. Prerequisite: BA 153.

BA 157 Human Relations in Business 5 Credits

Assess and develop human relations skills through a skill building approach with an emphasis on self-esteem and maintaining positive attitudes. Topics include: understanding human relations, behavior, and performance; diversity in personality and learning styles; perception; attitudes; values; communication skills; motivation; leadership; transactional analysis; assertiveness and conflict resolution; power, politics, and ethics; teams; problem-solving and decision-making, change; productivity and participative management. Recommended: READ 088.

BA 160 Merchandise Display 5 Credits

Explores in-store and window displays and their importance to businesses. Major emphasis will be placed on the techniques used in producing the different types of displays.

BA 181 Cooperative Work Experience I 1 - 5 Credits

Opportunity to work in jobs directly related to career choices. This formal training period is agreed upon by the student, employer, and instructor. Co-requisite: BA 182 and instructor permission.

BA 182 Business Leadership Seminar I 1-3 Credits

Provides the fundamentals of leadership for the professional in the workplace environment. Also, compares the different leadership styles of the changing workplace.

BA 187 Principles of Selling 5 Credits

Analyze how sales personnel meet customers needs, present benefits, gain commitment for purchase and provide service after the sale will be discussed. FAB and AIDA will be discussed as a means to developing sales presentations.

Students will demonstrate each type of sales presentation to include the development of visuals to aid in presentations.

BA 189 Principles of Management 5 Credits

Modern management is both exciting and challenging today. Through the use of the internet and other related digital applications managers today have at their request the most revolutionary tools since the development of the assembly line and Henry Ford. The course is organized around the four traditional functions of management: planning, organizing, leading and controlling. There will also be contemporary topics discussed such as technology, empowerment, diversity and TQM.

BA 191 Cooperative Work Experience II 1 - 5 Credits

Opportunity to work in jobs directly related to career choices. This formal training period is agreed upon by the student, employer, and instructor. Co-requisite: BA 192 and instructor permission.

BA 192 Business Leadership Seminar II 1-3 Credits

Provides the fundamentals of preparing, analyzing, and presenting effective presentations in the workplace. Students are expected to use technology and other resources to create effective presentations.

BA 197 Electronic Commerce: A Business Perspective 5 Credits

Identifies the principle components of electronic commerce. Reviews the critical areas of electronic business interactions, how the internet works, security, forms of payment, and the key elements of an electronic commerce business plan.

BA 199 Special Topics 1 - 5 Credits

Study and train to meet established local needs in the business industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

BA 210 Marketing 5 Credits

The relevance of marketing in the modern economy, topics include: functions of marketing, customer understanding, TQM, opportunity analysis, and the marketing mix.

BA 215 Advertising 5 Credits

Explores the elements of campaign planning and execution, the use of strategic research, setting objectives, targeting marketing and developing media ads. Course is organized around the framework that advertising is an integral part of communication and marketing. Online advertising will also be discussed.

BA 217 Computer Software Applications 5 Credits

Application of various software currently used in home and work environments. Learn how to determine the appropriate software to complete a given task and how to integrate the use of several software programs to complete a given task efficiently. Emphasis on the application of software principles in word processing, spreadsheets, databases, presentations, and file management. The second of two courses that aid

in the preparation for the MOUS certification test. Students pursuing a career involving computer use are advised to take this course. Prerequisite: CT 121.

BA 251 Introduction to Business Law I 5 Credits

Introduction to law with an analysis of its origin and development and its interaction with business, including: legal procedures, principles of contract law, agency, negotiable instruments, constitutional authority, business tort, product liability, intellectual criminal law, and principles of contract law.

BA 252 Introduction to Business Law II 5 Credits

Continuance of BA 251, emphasis on the Uniform Commercial Code, sales and leases, negotiable instruments, secured transactions and bankruptcy, agency and business organizations, employment laws, wills, property, and basic legal research. Prerequisite: BA 251.

BA 287 Retailing 5 Credits

Focuses on the study of retail consumers and why, what, and when they buy. Topics include: site location, merchandising mix, display, advertising, profit margin analysis, the merchandise plan (Open to Buy), markups/downs, stock turnover analysis, Reilly's Law and Huff's Law.

BA 291 Cooperative Work Experience III 1 - 5 Credits

Opportunity to work in jobs directly related to career choices. This formal training period is agreed upon by the student, employer, and instructor. Co-requisite: BA 292 and instructor permission.

BA 292 Business Leadership Seminar III 1-3 Credits

Students select and perform a community service project. The students need to determine how the project will help the community and how many people will benefit. This activity shows the close correlation between community service and local business involvement.

BA 297 Special Projects 1 - 5 Credits

Project-oriented experiences in the area or applications not covered in the standard business curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

Carpentry

CARP 181 Introduction to Carpentry 1 - 18 Credits

Introduction to the carpentry field. On-site work that includes excavation, footings, foundations, wall framing, trusses, sheathing, and tool safety. Prerequisite: Instructor permission.

CARP 182 On-Site Work: Exterior Finish 1 - 18 Credits

On-site work including: exterior finish, roofing, insulation, sheetrock, taping, and texture. Prerequisite: CARP 181 or instructor permission.

CARP 183 On-Site Work: Interior Finish 1 - 18 Credits

On-site work including: installation of door frames, doors, interior wall finish, window and door trim, installation of cabinets and flooring. Prerequisite: CARP 182 or instructor permission.

CARP 191 Cooperative Work Experience 1 - 18 Credits

Opportunity to work in jobs directly related to the construction industry. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission.

CARP 192 Cooperative Seminar 1 Credit

Students explore issues related to their cooperative work experience focusing on effective workplace relationships. Co-requisite: CARP 191.

CARP 199 Special Topics 1 - 5 Credits

Study and train to meet established local needs in the carpentry industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

CARP 284 Advanced Work in Layout 1 - 18 Credits

Advanced work in layout of building, roof framing, and use of level and transit will be covered. Estimating materials for site, study of concrete types and their importance in the trade, and types of fasteners and their uses. Prerequisite: CARP 183 or instructor permission.

CARP 285 Advanced Blueprint Reading 1 - 18 Credits

Definitions of architectural symbols; to understand plumbing, electrical, heating, ventilation, and air conditioning (HVAC) systems and applications; the layout and construction of chimney and fireplaces will be covered. Prerequisite: CARP 284 or instructor permission.

CARP 286 Advanced On-Site Work 1 - 18 Credits

Advanced work on-site including: tile work, siding, concrete layout and estimating costs. Preparation for the journeyman examination. Prerequisite: CARP 285 or instructor permission.

CARP 297 Special Projects 1 - 18 Credits

Project-oriented experiences in the area or applications not covered in the standard carpentry curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

CARP 299 Leadership 1 Credit

Encourage students to develop awareness of their leadership potential and abilities through small group discussions and assumption of leadership roles and responsibilities. Students will acquire information, experience diverse points of view, construct knowledge and practice a variety of interpersonal and social skills, such as communicating, goal-setting, decision-making, team-building, and managing stress.

Chemistry

CHEM 101 Chemistry [NS]

5 Credits

Practical approach to inorganic, organic, and biochemistry which is designed primarily for students in various health-related programs. A comprehensive set of laboratory experiments is provided to implement and supplement the topics covered. Lab work required. Prerequisites: MATH 065; appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

CHEM 107 General Chemistry for Health Sciences [NS]

5 Credits

Survey of inorganic chemistry for nursing and allied health sciences. Topics include: atomic structure, bonding, periodicity, stoichiometry, gases, equilibrium, solution chemistry, acids, bases, buffers, and nuclear chemistry. Lab work required. Prerequisites: MATH 065 or instructor permission; appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098; high school chemistry.

CHEM 108 Organic Chemistry for Health Sciences [NS]

5 Credits

A survey of organic chemistry. Topics include: structure, function and chemistry of aliphatic and aromatic hydrocarbons, alcohols, ethers, carboxylic acids, amines, and related compounds; mechanisms, and stereochemistry. Lab work required. Prerequisite: CHEM 107.

CHEM 109 Biochemistry for Health Sciences [NS]

5 Credits

A brief survey of biochemical principles. Topics include: structure, function and chemistry for biomolecules, enzymatic catalysis, metabolic pathways, genetic expression, and biotechnology. Lab work required. Prerequisite: CHEM 108.

CHEM 121 General Chemistry I [NS]

5 Credits

Study of the composition, structure, and properties of matter and its changes for science, engineering. Lab work required. Prerequisites: CHEM 101 or one year of high school chemistry; MATH 095 or instructor permission. Recommended: READ 098.

CHEM 122 General Chemistry II [NS]

5 Credits

Study of crystal structures, solution chemistry, kinetics, thermodynamics, precipitation reactions; acids and bases, chemical equilibria, and coordination compounds. Lab work required. Prerequisite: CHEM 121.

CHEM 123 General Chemistry III [NS]

5 Credits

Study of thermodynamics, qualitative analysis, oxidation/reduction reactions, electrochemistry, nuclear chemistry, and introduction to organic and biochemistry. Lab work required (qualitative analysis). Prerequisite: CHEM 122.

Civil Engineering Technology

CET 100 Estimating

3 Credits

Introduction to identifying and estimating construction costs. Emphasis on material quantity take-offs, contract specifications, bidding strategies, equipment costs, and depreciation.

CET 103 Engineering Concepts and Problems

5 Credits

Introduction to specific fields of engineering including electrical and mechanical with an emphasis on civil engineering. Also presents ethics, computer applications, and professional registration requirements.

CET 141 Engineering Graphics

4 Credits

Introduction to basic engineering graphic concepts and AutoCAD computer drafting skills. Hand drafting techniques, isometric and orthographic drawings, dimensioning, section views, and auxiliary views are emphasized.

CET 142 Advanced Engineering Graphics

4 Credits

Introduction to practical applications of engineering graphics and CADD. Features examples of mechanical projects, structural projects, land development projects, and highway projects. Emphasizes teamwork and improving CADD skills. Prerequisite: CET 141 or instructor permission.

CET 149 Blue Print Reading

3 Credits

Introduction to the basic concepts of engineering drawings.

CET 151 Computer Aided Drafting and Design

3 Credits

Introduction to engineering drawings using AutoCAD in the solution of a variety of graphic problems. Emphasis on advanced AutoCAD topics such as XREF, paper space, and custom menus. Prerequisite: CET 141 or instructor permission.

CET 152 Advanced CADD Problems

3 Credits

Introduction to advanced CADD design applications associated with AutoCAD with an emphasis on customized menus and three-dimensional drawings. Oral and written reports are required. Prerequisite: CET 151 or instructor permission.

CET 160 Elementary Surveying

6 Credits

Fundamentals of plane surveying with an emphasis on chaining, levels, theodolites, global positioning, and distance measurement. Oral and written reports are required.

CET 161 Advanced Surveying

6 Credits

Advanced instruction in surveying fundamentals with an emphasis on public land laws plus construction, property, topographical, and GPS surveys. Oral and written reports are required. Prerequisite: CET 160 or instructor permission.

CET 166 Introduction to Hydrology

3 Credits

Introduction to the hydrological cycle with emphasis on precipitation, weather cycles, runoff, stream flows, ground water, and storm water calculations. Oral and written reports are required.

CET 191 Cooperative Work Experience 1 - 18 Credits
Opportunity to work in jobs directly related to the civil engineering industry. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission.

CET 192 Cooperative Seminar 1 Credit
Explore issues related to cooperative work experience focusing on effective workplace relationships. Co-requisite: CET 191.

CET 199 Special Topics 1 - 5 Credits
Study and train to meet established local needs in the civil engineering industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

CET 201 Engineering Construction Management 4 Credits
Provides leadership skills associated with construction planning and scheduling by the frontline supervisor. Emphasizes CPM and P.E.R.T. scheduling, interpersonal communication skills, industrial safety and hygiene, and leadership styles. Instruction includes required group exercises and oral presentations.

CET 202 Construction Inspection 3 Credits
Instruction in construction quality control practices, procedures, and inspection methods. Emphasizes asphalt and concrete control, the role of the inspector, state and local contract specifications, inspection methods, and field experience. Instruction includes required group exercises and written reports.

CET 220 Engineering Mechanics - Statics 5 Credits
Fundamental principles of the mechanics of rigid bodies will be explored. Topics include: forces in a plane, forces in space, statics of rigid bodies, rigid bodies in three dimensions, centroids, friction and Moments of Inertia. Prerequisite: MATH 109 or instructor permission.

CET 221 Engineering Design Fundamentals 5 Credits
A capstone course for advanced students that requires all civil engineering technologies in the production of a design project. Examines environmental and permit issues for a typical public works project, preliminary engineering and surveying, project prospectus development, design calculations, plan development, specification writing, and cost estimates. Oral and written reports are required. Prerequisites: CET 161 and 222.

CET 222 Engineering Mechanics - Strength of Materials 5 Credits
Instruction on internal stress, deflections, and deformation of structural members. Topics include: bending stress, shear stress, compressive and tensile stresses, stress-strain relationships, Mohr's circle, and shear and moment diagrams. Prerequisite: CET 220.

CET 223 Hydraulics 4 Credits
Introduction to the fundamentals of fluid characteristics and the related impact on engineering design. Topics include:

properties and definitions of fluid mechanics, fluid statics, fluid dynamics, fluid flow, measurement of fluids, orifices, weirs, pipe flow, and open channel flow.

CET 224 Soil Mechanics for Construction 4 Credits
Introduction to soil mechanics as it relates to engineering design. Emphasizes the identification and classification of soils, engineering properties of soils, compaction of soils, aggregate gradations, bearing capacities, and ASTM laboratory test methods. Oral and written reports are required.

CET 226 Concrete and Asphalt Pavements 3 Credits
Introduction to asphalt and concrete pavement design. Emphasizes the identification and classification of soils, engineering properties of soils, compaction of soils, aggregate gradations, bearing capacities, and ASTM laboratory test methods. Oral and written reports are required.

CET 242 Properties of Materials 4 Credits
Instruction in materials such as mineral aggregates, concrete, timber, steel, and plastic materials used for engineering projects. Oral and written reports are required.

CET 250 Introduction to GIS 3 Credits
Introduction to GIS, emphasizing coordinates systems, ArcView themes, mapping, data retrieval, data sorting, data analyzing, linking, and case studies. Written reports are required.

CET 263 Transportation and Highway Engineering 4 Credits
Introduction to transportation engineering that includes vertical and horizontal highway curves, mass diagrams, traffic studies, highway drainage problems, and intersection analysis. Written and oral reports are required. Prerequisite: CET 161 or instructor permission.

CET 297 Special Projects 1 - 18 Credits
Project-oriented experiences in the area or applications not covered in the standard civil engineering technology curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

CET 299 Leadership 1 Credit
Encourages students to develop awareness of their leadership potential and abilities through small group discussions and assumption of leadership roles and responsibilities. Students will acquire information, experience diverse points of view, construct knowledge and practice a variety of interpersonal and social skills, such as communicating, goal-setting, decision-making, team-building, and managing stress.

Commercial Truck Driving

TRK 110 Truck Driver Training 1 - 12 Credits
Entry-level lecture training for long haul truck driving jobs and commercial driving license testing. Topics include basics of trucking industry and trucking equipment: inspection of equipment, mechanical components, brake adjustment,

preventative maintenance, servicing, defensive driving techniques, cargo loading, securing load, documentation, map reading, DOT log books, trip planning, accident and fire prevention, reporting, hazardous material transportation and documentation. Prerequisites: Pass DOT physical and mandatory drug test, have a social security card and have a satisfactory driving record for past five years.

TRK 120 Truck Driver Training - Lab 1 - 10 Credits

Laboratory training and experience for entry-level long haul truck drivers and commercial driving license testing. Graduates obtain Class A CDL License with endorsements for doubles and triples, tankers, hazardous material and no air brake restrictions. Behind-the-wheel practice includes backing techniques, proper cornering, up and down hill maneuvers, space and speed management, coupling/uncoupling, city and highway driving maneuvers. Co-requisite: TRK 110.

TRK 191 Cooperative Work Experience 1 - 18 Credits

Advanced on-the-job-training for entry-level long haul truck driving jobs and CDL testing. Truck drivers in the advanced certificate program are on the road 50 to 70 hours (approximately half of which is driving time, and half of which is navigating time). Behind the wheel practice includes backing techniques, proper cornering, up and down hill maneuvers, space and speed management, coupling/uncoupling, city and highway driving maneuvers. Training on cargo loading, securement and documentation, map reading, DOT logbooks, trip planning, accident and fire prevention and reporting, hazardous material transportation and documentation. Prerequisites: TRK 110 and 120.

TRK 199 Special Topics 1 - 10 Credits

Study and train to meet established local needs in the commercial truck industry, supplemental to courses currently offered.

TRK 297 Special Projects 1 - 18 Credits

Project-oriented experiences in the area or applications not covered in the standard commercial truck driving curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

Computer Technology

CT 100 Computer Literacy 5 Credits

Introductory hands-on computer course intended for non-majors. Provides the beginning computer user an elementary understanding of computer hardware, the operating system, word processing, and spreadsheeting.

CT 103 Introduction to Computer Technology 5 Credits

Provides an in-depth study of computer technology including concepts, terminology, history, usage, ethics, hardware, and software. Keyboarding beneficial.

CT 121 Computer Software Principles 5 Credits

Application of software currently used in home and work environments. Emphasizes proficiency in using the basic functions in word processing, spreadsheets, databases, presentations, the Internet, and Microsoft Windows. Recommended: CT 100. Student may not earn credit for both CT 121 and AGRI 108.

CT 125 Internet Technologies 5 Credits

Introduction to key principles about Internet access, security, browsing, e-mail, and HTML. Exploration of cutting edge information technology and trends such as IM, wireless networks, security, and e-commerce. Exposure to the basics in web page creation using HTML.

CT 130 Structured Problem Solving 5 Credits

Introduction to structured problem solving and computer programming. Topics include: logic, programming structure, data types, and problem solving skills.

CT 131 Introduction to Computer Science [Q] 5 Credits

Introduction to computer science principles and concepts including algorithm, data structures, and C++ programming. Prerequisite: Grade of C or higher in MATH 095 or instructor permission.

CT 133 Operating Systems 5 Credits

A comparative analysis of several computer operating systems with a concentration on those used in microprocessors, including server and client operating systems. Introduction to the internal workings of Microsoft Windows, Linux/Unix, and Macintosh operating systems. Recommended: CT 103.

CT 137 Windows Client 5 Credits

Overview of Windows XP Pro operating system. Students will receive their own copy of the XP operating system to load and learn file management, and other features and utilities with an emphasis on using, installing, and setting up Windows, memory management, and file management. Recommended: CT 121.

CT 145 Unix/Linux Operating Systems 5 Credits

Introduction to multi-user and multi-processing operating systems through a study of the Linux/UNIX operating system as implemented on the microcomputer. Recommended: CT 133.

CT 146 CCNA 1: Networking Basics 5 Credits

Provides an in-depth description of the IP network-addressing scheme, including sub-netting, and the design of IP addressing schemes for enterprise-wide networks. Wiring techniques are also covered. This is the first course in the CCNA sequence.

CT 147 CCNA 2: Routers and Routing Basics 5 Credits

Introduction to the configuration of Cisco routers using the proprietary IOS operating system. This is the second course in the CCNA sequence. Prerequisite: CT 146.

CT 150 Visual Basic Programming 5 Credits

Introduction to programming in Microsoft Visual Basic. Includes forms and controls, properties events and methods, menus, control statements and data structures, control arrays, and file processing. Recommended: CT 130.

CT 161 Introduction to Database Design and Theory 5 Credits

In-depth study of database theory and concepts including data modeling, database design, normalization, and data integrity and security. Includes a survey of one or more modern DBMS and its underlying query language. Recommended: CT 121.

CT 162 Data Structures 5 Credits

Introduction and implementation of data structures including queues, stacks, trees and linked lists, using C++ programming language. Topics include: iterative and recursive uses in sorting and searching routines. Prerequisite: CT 131.

CT 180 Java Programming 5 Credits

Introduction to programming in the Java programming languages. Topics include: structured programming concepts, functions, arrays and pointers, and object oriented concepts. Recommended: CT 130.

CT 191 Cooperative Work Experience 1 - 18 Credits

Opportunity to work in jobs directly related to the computer technology industry. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission.

CT 192 Cooperative Seminar 1 Credit

Students explore issues related to their cooperative work experience focusing on effective workplace relationships. Co-requisite: CT 191.

CT 199 Special Topics 1 - 5 Credits

Study and train to meet established local needs in the computer technology industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

CT 211 Word Processing Application Development 5 Credits

Study of advanced word processing procedures and techniques using a case-study, project-based approach. Prerequisite: CT 121.

CT 221 Spreadsheet Application Development 5 Credits

Study of advanced electronic spreadsheet procedures and techniques using a case-study, project-based approach. Prerequisite: CT 121.

CT 241 Advanced Database Development 5 Credits

Advanced study of database construction and operation. Topics include: filtering, customized menus, and an introduction to programming. Prerequisite: CT 121.

CT 243 Fundamentals of Computer Systems 5 Credits

In-depth study of PC hardware. Students learn to identify and understand how components function and install PC components. Prerequisite: CT 103.

CT 248 CCNA 3: Switching Basics and Intermediate Routing 5 Credits

In-depth coverage of the configuration and troubleshooting of Cisco routers in enterprise-wide networks. This is the third course in the CCNA sequence. Prerequisite: CT 147.

CT 249 CCNA 4: WAN Technologies 5 Credits

The second part of a two-course series on the configuration and troubleshooting of Cisco routers in enterprise-wide networks. Prerequisite: CT 147.

CT 250 Application Integration using VBA 5 Credits

Focuses on the functions of MS Office applications, integrating uses with Visual Basic for Applications. Prerequisite: CT 130 or 150.

CT 251 Advanced Software Development 5 Credits

Focuses on the advanced functions of Microsoft Office applications, using these functions and Visual Basic in integration projects. Students develop and formally present an integrated application. Prerequisite: CT 250 or instructor permission.

CT 261 SQL and Relational Database Programming 5 Credits

Database design concepts are applied in programming environment. Focuses on learning and applying the SQL programming language to efficiently define, access, update and retrieve information from a database in a server based environment. Prerequisite: CT 161.

CT 270 Fundamentals of Network Security 5 Credits

Explores blocking attacks on computer network systems. Study of the white hat hackers compared to the black hat crackers. Topics include: viruses, Trojan programs and copyright infringements, bandwidth problems, and networking issues.

CT 272 Windows 2003 Server Network Infrastructure 5 Credits

Provides skills necessary to implement and manage a Microsoft Windows Server 2003 network infrastructure. Intended for systems administrator and systems engineer candidates who are responsible for implementing and managing server networking technologies. These tasks include: implementing routing; implementing and managing Dynamic Host Configuration Protocol (DHCP), Domain Name System (DNS), and Windows Internet Name Service (WINS); securing Internet Protocol (IP) traffic with Internet Protocol security (IPSec) and certificates; configuring a network access infrastructure by configuring the connections for remote access clients, and managing and monitoring network access.

CT 275 CCNP 1: Advanced Routing 5 Credits

Explores advanced routing and using Cisco routers connected in local-area networks (LANs) and wide-area networks (WANs) typically found at medium to large network sites. Upon completion of this training course, the student is able to select and implement the appropriate Cisco IOS services required to build a scalable routed network. The first in a sequence of four courses that prepares students to take Cisco's CCNP certification exam. Prerequisite: CT 147.

CT 276 CCNP 2: Remote Access 5 Credits

Focuses on remote access to Cisco routers connected in local-area networks (LANs) and wide-area networks (WANs) typically found at medium to large network sites. Upon completion of this training course, the student is able to select and implement the appropriate Cisco IOS services required to create remote access to corporate networks. The second in a sequence of four courses that prepares students to take Cisco's CCNP certification exams. Prerequisite: CT 147.

CT 277 CCNP 3: Multi-Layer Switching 5 Credits

Explores the design and building of Cisco multi-layer switched networks typically found at medium to large network sites. Upon completion of this training course, the student is able to select and implement the appropriate Cisco switching services required to create switched corporate networks. The third in a sequence of four courses that prepares students to take Cisco's CCNP certification exams. Prerequisite: CT 147.

CT 278 CCNP 4: Network Troubleshooting 5 Credits

Explores troubleshooting Cisco-based internetwork typically found at medium to large network sites. Upon completion of this training course, the student is able to debug and fix a wide range of internetworking problems that might appear in complex corporate networks. This is the fourth in a sequence of four courses that prepares students to take Cisco's CCNP certification exams. Prerequisites: CT 275, 276, and 277.

CT 290 Computer Systems Design 5 Credits

Apply problem-solving, system analysis, and rapid application development techniques to design appropriate hardware/software solutions to meet various end user requirements. Prerequisite: CT 130.

CT 291 Cooperative Work Experience II 1 - 18 Credits

Opportunity to work in jobs directly related to the computer technology industry. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission.

CT 292 Cooperative Seminar II 1 Credit

Students explore issues related to their cooperative work experience focusing on effective workplace relationships. Co-requisite: CT 291.

CT 294 Windows Server 2003 Administration 5 Credits

Introduction to the management of a Windows Server 2003. Topics include: installation and use of management tools (including Dynamic Host Configuration Protocol, Windows Internet Name Service, and Remote Access Service), NWLink transport protocol, and integration into a NetWare network.

CT 295 Netware Administration 5 Credits

Provides experience in designing and building a local area network. Includes installation of the NOS (NetWare), user accounts groups, security, application software, printers, menus, and accounting.

CT 297 Special Projects 1 - 18 Credits

Project-oriented experiences in the area or applications not covered in the standard computer technology curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

CT 299 Leadership 1 Credit

Encourage students to develop awareness of their leadership potential and abilities through small group discussions and assumption of leadership roles and responsibilities. Students will acquire information, experience diverse points of view, construct knowledge and practice a variety of interpersonal and social skills, such as communicating, goal-setting, decision-making, team-building, and managing stress.

Cosmetology

COSM 111 Principles and Procedures of Cosmetology I 1 - 11 Credits

Introduction and overview of all aspects of cosmetology. Topics include: bacteriology, sanitation, sterilization, draping, basic haircuts and trimming, shampoos, rinses, finger waves, pin curls, rollers, manicuring, facials, movements, and permanent waves. Emphasizes safety and first aid in all instruction. Prerequisite: Instructor permission.

COSM 112 Practical Application I 1 - 11 Credits

Introduction to the basic services of cosmetology. Practice in basic shampoos, rinses, haircuts, finger wave, roller, pin curl, manicuring, permanent wave, introduction to color, and safety/sanitation. Prerequisite: Instructor permission.

COSM 121 Principles and Procedures of Cosmetology II 1 - 11 Credits

Introduction to basic services of cosmetology. Topics include: hair coloring and lightening, scalp treatments and hair analysis, diseases and disorders of skin and scalp, skin care, make-up, trimming of facial hair, dry styling, and first aid. Emphasizes safety and sanitation measures in all instruction. Prerequisite: COSM 111.

COSM 122 Practical Application II 1 - 11 Credits

Continued practice in basic cosmetology skills on mannequins and models. Topics include: hair color, lash and brow tint, bleaching, scalp treatments, thermal styling, skin care (facials), dry styling, permanent waving, temporary removal of superfluous hair, razor cutting, safety, and review. After completion of 400 hours of instruction and reaching Level 2 in services and Level 3 in safety/sanitation, the student may begin basic operations under close supervision of an instructor in the clinical area provided for patrons. Prerequisite: COSM 112.

COSM 131 Intermediate Principles and Procedures I 1 - 11 Credits

Intermediate instruction in cosmetology. Topics include: hair coloring (dimensional); styling aid; thermal waving; safety and sanitation; nail repair; blow drying; chemical relaxing and hair cutting/trimming; hairstyling, scalp treatments and hair analysis; and diseases and disorders of the skin. Emphasizes safety and sanitation in all instruction. Prerequisite: COSM 121.

COSM 132 Practical Application III 1 - 11 Credits

Continued work to complete the required levels of performance, hour and quarter requirements, and safety/sanitation measures. Prerequisite: COSM 122.

COSM 199 Special Topics 1 - 10 Credits

Study and train to meet established local needs in the cosmetology industry, supplemental to courses currently offered. Prerequisite: Instructor permission

COSM 241 Intermediate Principles and Procedures II 1 - 11 Credits

In-depth study of the hair structure, diseases and disorders, skin care, compresses and safety, nerves and muscles of face and scalp, clipper cutting, pedicures, makeup, and exam review book. Prerequisite: COSM 131.

COSM 242 Practical Application IV 1 - 11 Credits

Continue to work in the program to complete five regular quarters, one summer quarter, and job performances safely at Level III and Level IV as required by WWCC. Total of 1700 hours, including non-credited courses. Prerequisite: COSM 132.

COSM 251 Advanced Principles and Procedures I 1 - 11 Credits

Advanced work in the cosmetology program. Topics include: skin care, artificial hair, chemical relaxing, chemical knowledge, hair pressing, safety, superfluous hair removal, pH value, and complete review, including safety and sanitation. Prerequisite: COSM 241.

COSM 252 Practical Application V 1 - 11 Credits

Continue to independently and safely practice cosmetology methods at level IV. Students complete 1600 hours and five quarters plus one summer quarter as required by WWCC Cosmetology program. Prerequisite: COSM 242.

COSM 270 Practical Application VI 1 - 11 Credits

Work in the clinic area to complete the required number of hours and levels of services, safety, sanitation, and skills as required by state law and WWCC. Prerequisite: COSM 112.

COSM 281 Cadet Instructor Training 1 - 15 Credits

Training in management and laboratory supervision covering the application of teaching techniques in practical classroom and laboratory services, dispensary inventory and maintenance, and reception area management. Emphasis on sanitation of tools, equipment, and work areas as well as safe practices in storage, mixing, and use of chemicals. Must have a minimum two years of successful work experience and hold a current Cosmetology License in the State of Washington. Prerequisite: Instructor permission.

COSM 297 Special Projects 1 - 18 Credits

Project-oriented experiences in the area or applications not covered in the standard cosmetology curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

COSM 299 Leadership 1 Credit

Encourage students to develop awareness of their leadership potential and abilities through small group discussions and assumption of leadership roles and responsibilities. Students will acquire information, experience diverse points of view, construct knowledge and practice a variety of interpersonal and social skills, such as communicating, goal-setting, decision-making, team-building, and managing stress.

Criminal Justice / Corrections Professional

CJ 101 Introduction to Criminal Justice [SS] 5 Credits

Examines the relationships and respective responsibilities of different criminal justice agencies. The movement through the system from initial investigation of the crime to ultimate release from confinement. Recommended: READ 098.

CJ 103 Introduction to Criminal Law 3 Credits

Introduction to the origin and structure of criminal law. Defines elements that constitute the body of criminal law for felonies, misdemeanors, and procedural application as statutory embodiments in the Washington Criminal Code.

CJ 105 Introduction to Corrections 5 Credits

Review of the corrections field, tracing early American penal systems and philosophy to present day correctional programs. Emphasis on our contemporary penal system, incarceration, classification, various forms of release, and community-based correctional programs.

CJ 106 Criminology [SS] 5 Credits

Study of deviant behavior as it relates to the definition of crime: crime statistics, theories of crime causation, crime typologies. Introduction to the impact of crime, limits of

criminal law, and society's reaction to criminal behavior. Recommended: READ 098.

CJ 199 Special Topics 1 - 5 Credits

Study and train to meet established local needs in the criminal justice industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

CJ 202 Crime and Delinquency [SS] 5 Credits

The development of criminal justice responses to formal handling of juveniles. Examination of the legal status of juvenile offenders and other related special conditions involving juveniles in crime and delinquency. Recommended: READ 098.

CJ 204 Constitutional Law 5 Credits

Study of the Constitution of the United States and its provisions and amendments. Topics include: various decisions of the Court involving constitutional application of due process relating to arrests, searches, seizures, confessions, and prisoner rights.

CJ 205 Principles of Investigation and Evidence 5 Credits

Survey of fundamental techniques as they apply to specific criminal investigations. Examines the basic principles of the law of criminal evidence with emphasis on the role of the investigator in collecting, preserving, and introducing evidence in court. Recommended: READ 098.

CJ 206 Psychology for Criminal Justice [SS] 5 Credits

Study of maladaptive behavior as formally recognized by the American Psychiatric Association and classified in the Diagnostic Statistical Manual. Special emphasis on sociopathy and related diagnoses most frequently encountered by criminal justice personnel. Also includes an examination of crisis intervention and techniques of brief therapy. Prerequisite: PSY 101. Recommended: READ 098.

CJ 210 Working in the Juvenile System 5 Credits

Instruction and simulated experiences designed to develop a basic understanding of the multiplicity of roles the juvenile justice system is expected to carry out. Examines the four main elements: courts and related processes, detention centers, institutions, and group homes. Explores the administration/authority granted by the legislature to manage each element. Also examines the duties and qualifications of juvenile justice workers in the state of Washington.

CJ 250 Communicating in the Corrections Environment 5 Credits

Instruction and practical experience designed to develop the specific style of communication skills necessary to work effectively in a correctional institution. Primary goals of this course are the abilities to work within a potentially hazardous environment, issue and enforce direct orders, recognize offender manipulation, practice observation skills, read and interpret body language, problem-solve, and work within a culturally diverse population.

CJ 297 Special Projects 1 - 5 Credits

Project-oriented experiences in the area or applications not covered in the standard criminal justice curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

Culinary Arts

CUL 100 ServSafe 2 Credits

Introduction to food production policies that will focus on current regulations, best practices and science-based information. Topics include: Hazard Analysis of Critical Control Points (HACCP) procedures, kitchen safety, and facility sanitation. Students will take the National Restaurant Association ServSafe Examination upon completion of the course.

CUL 101 Introduction to Professional Cooking 5 Credits

Introduction to the history of culinary arts and major influences of the hospitality industry. Topics include: modern food service, history of uniforms, organization of modern kitchen, and careers in the food industry.

CUL 102 Skill Development I 15 Credits

Introduction to the basic cooking fundamentals. Topics include: equipment, knife skills, classical cuts, stock soup, sauce production, timing, station organization and culinary terminology. Students will also be introduced to vegetable and starch cookery. Co-requisite: CUL 101.

CUL 103 Skill Development II 15 Credits

Focuses on cooking fundamentals and classical preparations. Topics include: basic methods of cooking, braising, roasting, sauteing, steaming, and poaching. An introduction to protein cooking will also be covered. Prerequisite: CUL 102.

CUL 104 Service Management 3 Credits

Provides an introduction to basic table service principles which includes: table settings, order taking, serving methods and serving sequences. Students will learn how to control inventory, merchandize products and services, and manage costs while assuring high quality service to all customers.

CUL 107 Culinary Measurements and Calculations 5 Credits

Explains the basic units of measure and conversions, business management skills, and cost inventory skills necessary for kitchen management. Topics include: purchasing, kitchen ratios, metric measurement, and yield percentages. Prerequisite: Appropriate placement score.

CUL 108 Nutrition for Culinary Arts 3 Credits

Introductory nutrition course designed for students entering the food service and hospitality industry. Students will study information related to the interaction of nutrients in the body and factors which govern nutrient requirements.

CUL 111 Basic Culinary Principles 3 Credits

Introduction to the basic culinary principles of classical knife cuts, stock preparations, classic mother sauces and soup preparations.

CUL 190 Culinary Practical I 1 Credit

Students will demonstrate culinary skills in the following areas: soup, sauce, fabrication and preparation of main dish item and appropriate accompaniments. Students will also demonstrate classic knife cuts. Co-requisite: CUL 103.

CUL 191 Culinary Internship 3 Credits

Opportunity to work in jobs directly related to the culinary arts industry. This is a non-paid position and requires 10 hours per week.

CUL 192 Culinary Seminar 1 Credit

Explore issues related to culinary internship focusing on effective workplace relationships. Co-requisite: CUL 191.

CUL 199 Special Topics 1 - 5 Credits

Study and train to meet established local needs in the culinary arts industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

CUL 202 Professional Cooking I 12 Credits

Focuses on professional cooking fundamentals. Topics include: baked goods, pastries, and garde manger. Students will learn basic principles and techniques used in the preparation of baked goods and pastries. Also provides an overview of garde manger covering salad preparation, forcemeats, appetizers, and cold food presentations. Prerequisite: CUL 103.

CUL 203 Professional Cooking II 12 Credits

Introduction to vegetarian and nutritional cooking. Students will be introduced to various international cuisines including: French, Italian and Eastern Block. Students will use wine as a major flavoring ingredient. Prerequisite: CUL 202.

CUL 206 Restaurant Law 3 Credits

Provides an overview of legal issues and requirements associated with the food service industry. Topics include: contract law, forms of business enterprise, legal obligations of owners and employees, liability, and operating within state and federal regulations.

CUL 207 Menu Development 3 Credits

Analysis of menu development for food service operations will be discussed. Focus on menu development, descriptions, layout, design and pricing with regard to sales mix and station balance. Students will also create and critique menus with emphasis on concept, clarity, cost, price and efficiency.

CUL 290 Culinary Practical II 1 Credit

Demonstrate culinary skills in the following areas: soup, sauce, fabrication and preparation of main dish item and appropriate accompaniments, salad and dressing, and

forcemeats. Classic knife cuts will also be demonstrated. Co-requisite: CUL 203.

CUL 291 Cooperative Work Experience 1 - 15 Credits

Opportunity to work in jobs directly related to the culinary arts industry. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission.

CUL 292 Cooperative Seminar 1 Credit

Explore issues related to cooperative work experience focusing on effective workplace relationships. Co-requisite: CUL 291.

CUL 297 Special Projects 1 - 15 Credits

Project-oriented experiences in the area or applications not covered in the standard culinary arts curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

Dance

DANCE 101 Aerobics [PE] 1 Credit

Emphasis on increasing flexibility, strength, and muscle endurance. No dance background necessary.

DANCE 102 Jazz I [PE] 1 Credit

Introductory experience in various styles of jazz dance, including: funk, hip hop, Broadway and L.A. styles for beginning male or female dancers.

DANCE 103 Swing Dance [PE] 1 Credit

Swing dance (commonly known as the jitterbug or the shag) is an energetic couples style of social dance, made popular by the swing music of the 1940's. No previous experience or partner is needed.

DANCE 104 Advanced Aerobics [PE] 1 Credit

Advanced methods of aerobic dance conditioning leading to increased flexibility, strength and endurance.

DANCE 108 Ballet I [PE] 1 Credit

Introductory experience in basic ballet positions, barre, center floor work, and combinations of skills.

DANCE 109 Ballet II [PE] 1 Credit

Introductory experience in basic ballet positions, barre, center floor work, and combinations of skills.

DANCE 110 Jazz II [PE] 1 Credit

Designed for intermediate dancer. Previous beginning jazz or ballet is required.

DANCE 111 Social/Ballroom Dancing [PE] 1 Credit

Introduction to several different dance styles including the Foxtrot, Cha Cha, Swing, Waltz, and Rhumba.

DANCE 112 Western/Line Dance [PE] 1 Credit

Learn different western line dances (done without a partner) and western swing (with a partner).

DANCE 164 Dance Choreography [PE] 2 Credits

Emphasis on learning and practicing the fundamentals of rhythm and dance choreography. Students will develop, perform, and produce individual and group pieces for a dance theater production. Previous dance experience required. Prerequisite: Instructor permission.

DANCE 165 Dance Production I [PE] 2 Credits

Modern dance techniques with rehearsal and performance of student and faculty repertory, with a dance production. Prerequisite: Instructor permission.

DANCE 168 Dance Production III [PE] 2 Credits

Modern techniques with Modern Jazz Combinations. Previous dance experience required. Prerequisite: Instructor permission.

DANCE 169 Choreography II [PE] 2 Credits

Modern techniques with Modern Jazz Combinations. Previous dance experience required. Prerequisite: Instructor permission.

DANCE 170 Technical Aspects of Dance Production [PE] 2 Credits

Technical components of a dance production to include costuming, lighting and set design, stage and house managing, sound, publicity, and makeup are explored.

DANCE 171 Intermediate Jazz Dance [PE] 2 Credits

Develop skills, techniques, and choreography of various jazz, hip hop and funk styles. Prerequisite: Instructor permission.

DANCE 172 Latin Dance [PE] 1 Credit

Beginning level dance that focuses on the fundamental combinations and advanced level steps of Latin dances. Some of the Latin dances include: Rumba, Tango, Mambo, Samba, Merengue, and Salsa. In addition, basic social dance style, etiquette, dance positions, and leading/following techniques will be learned. No previous experience, special attire or footwear is required.

DANCE 174 Swing Dance II [PE] 1 Credit

Swing dance (commonly known as the jitterbug or the shag) is an energetic couples style of social dance, made popular by the swing music of the 1940s. No previous experience or partner is needed.

DANCE 177 Advanced Jazz Dance [PE] 2 Credits

Designed for the advanced dancer. Previous dance experience and instructor permission required. Intensive study of advanced skills, techniques and choreography of various jazz, hip hop and funk styles. Prerequisite: Instructor permission.

DANCE 180 Hip Hop I [PE] 1 Credit

Hip Hop style similar to that seen on current music videos will be the style taught in this course. Students will learn and practice hip hop/Funk fundamentals and combinations. Individual skills, floor work and partner work will be emphasized. Combinations and dance will be practiced and performed to current Rap and R & B music. Street attire and comfortable athletic shoes are appropriate. No previous experience required.

DANCE 181 Hip Hop II [PE] 1 Credit

An intermediate (advanced) level dance course to strengthen hip-hop movement and combinations. Hip hop styles similar to those seen on music videos will be taught. Prerequisite: DANCE 180 or instructor permission.

DANCE 191 Core Workout [PE] 1 Credit

A beginning dance fitness course. Emphasis will be placed on the center Core of the body, since this is where most athletic skills generate. This is an ideal course for any person interested in personal fitness development or for any competitive athlete looking to improve individual performance. Strength, endurance and flexibility of the abdomen, back, hip, thigh and gluteus muscles will be the major portion of the course, along with some elements of cardiovascular development. Students will learn and perform exercises specific to those areas, and all exercises will be performed with music. Comfortable workout attire and cross training shoes are suggested.

Diesel Equipment Mechanics

DT 151 Shop Fundamentals and Preventative Maintenance 8 Credits

Designed to introduce, perfect, and evaluate basic safety and shop skills necessary for successful completion of the Diesel Mechanics program. Consists of instruction and shop performance exercises in safety; hand and machine tool operation, use, and maintenance; hardware identification; and other basic shop skills. Forklift driver certification is also taught. Students must be seeking a certificate or degree in Diesel Technology.

DT 162 Machinery Repair I 11 Credits

Controlled laboratory experiences with static and live projects enhance instruction in engines, power trains, electrical and air conditioning. Involves application of theory and skills associated with academic and skill instruction. Students must be seeking a certificate or degree in Diesel Technology.

DT 163 Machinery Repair II 8 Credits

Controlled laboratory experiences with static and live projects enhance instruction in engines, power trains, electrical and air conditioning. Involves application of theory and skills associated with academic and skill instruction. Students must be seeking a certificate or degree in Diesel Technology.

DT 181 Engines

14 Credits

In-depth study of diesel and gas engines. Topics include: theory of operation, testing, and rebuilding. Students must be seeking a certificate or degree in Diesel Technology.

DT 182 Diesel Fuel Systems

8 Credits

Detailed study and analysis of diesel injection systems. Topics include: systems operation, testing, and repair techniques. Students must be seeking a certificate or degree in Diesel Technology.

DT 183 Electricity and Air Conditioning

10 Credits

Theory, troubleshooting, and repair of electrical and air conditioning systems are covered. Topics include: charging, starting, ignition, and accessory electrical systems. Mobile air conditioning is covered as a separate portion of this course. Students must be seeking a certificate or degree in Diesel Technology.

DT 184 Hydraulics and Brakes

8 Credits

Study of hydraulic systems as found on mobile equipment. Includes theory, operation, troubleshooting, and service of pumps, cylinders, valves, motors, controls, and accessories found on mobile hydraulic systems. Schematics and system design are also discussed. Students must be seeking a certificate or degree in Diesel Technology.

DT 185 Power Trains

8 Credits

Study of the various components found in the power train system. Topics include: theory, operation, troubleshooting, and repair of clutches, transmissions, torque converters, drive lines, differentials, and power take-off devices. Students must be seeking a certificate or degree in Diesel Technology.

DT 186 Advanced Mechanics

5 Credits

Study of specialized machinery. Study and skill gained through working on specialized equipment such as farm equipment, logging equipment, trucks, and heavy equipment. Prerequisite: Instructor permission.

DT 191 Cooperative Work Experience

1 - 15 Credits

Opportunity to work in jobs directly related to the diesel mechanics industry. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission.

DT 192 Cooperative Seminar

1 Credit

Explore issues related to their cooperative work experience focusing on effective workplace relationships. Co-requisite: DT 191.

DT 199 Special Topics

1 - 10 Credits

Study and train to meet established local needs in the diesel mechanics industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

DT 266 Advanced Equipment Repair I

10 Credits

On-campus job shop experience. Students work on equipment with a student service manager and under the supervision of an instructor. Student must have completed at least two quarters of Diesel Technology and be seeking a certificate or degree in Diesel Technology.

DT 267 Advanced Equipment Repair II

10 Credits

On-campus job shop experience. Students work on equipment with a student service manager and under the supervision of an instructor. Student must have completed at least two quarters of Diesel Technology and be seeking a certificate or degree in Diesel Technology.

DT 268 Advanced Equipment Repair III

1 - 20 Credits

On-campus job shop experience. Must have completed at least two quarters of Diesel Technology and be seeking a certificate or degree.

DT 297 Special Projects

1 - 10 Credits

Project-oriented experiences in the area or applications not covered in the standard diesel mechanics curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

DT 299 Leadership

1 Credit

Encourage students to develop awareness of their leadership potential and abilities through small group discussions and assumption of leadership roles and responsibilities. Students will acquire information, experience diverse points of view, construct knowledge and practice a variety of interpersonal and social skills, such as communicating, goal-setting, decision-making, team-building, and managing stress.

Digital Imaging Technology

DIT 101 Digital Imaging Foundations

5 Credits

Introduces the techniques, technology, and theory of raster (bitmapped) and vector digital images in web, multimedia, digital video, and animation applications. Exposure to the history and future of global communication and how digital technologies are being used. Students discuss the effects of the computer revolution and digital communication on society and explore career opportunities in digital communication fields.

DIT 110 Computer Graphics

5 Credits

Develops beginning skills using raster-based images. Learn to apply these skills in developing on-screen, multimedia, and Web applications using imaging manipulating software. Introduces the techniques, technology, and theory of raster (bitmapped) in web, multimedia, digital video, and animation applications. Recommended: DIT 101.

DIT 112 Computer Illustration

5 Credits

Introduces the techniques, technology, and theory of vector digital images in web, multimedia, digital video, and

animation applications. Provides fundamental skills in visual communication, screen design, and typography. Students learn to apply these skills to the development of on-screen, multimedia, and Web applications using programs like Illustrator or similar vector software. Recommended: DIT 101.

DIT 120 Multimedia Authoring 5 Credits

Uses leading Multimedia Authoring Tool as the main software environment. Students will be introduced to the principle features and capabilities of the application by integrating text, graphics, animation, digital video and sound to create interactive multimedia. Prerequisite: CT 121.

DIT 125 Macintosh Operating System 5 Credits

Explores the Macintosh Operating systems. Learn how to use the Apple operating systems such as Mac OS X. All basic operating system tools will be covered from virtual memory to specific use of Macintosh applications.

DIT 191 Cooperative Work Experience 2 Credits

Opportunity to work in jobs directly related to the digital imaging technology industry. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: CT 121.

DIT 199 Special Topics 1 - 5 Credits

Study and train to meet established local needs in the digital imaging technology industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

DIT 200 Desktop Publishing 5 Credits

Designed to use advanced applications utilizing all components of desktop publishing. Emphasis on creation of student projects including: newsletters, business identity, brochures, and promotional materials. Principles of layout and design will be practiced. Prerequisite: CT 121.

DIT 210 Advanced Computer Design 5 Credits

Computer-generated design and its practical application in advertising and promotion is presented. Advanced techniques in computer graphic design principles and an introduction to lettering skills and typefaces. Emphasis is on font selection, use, and the role of typography as a communication and design element. Prerequisites: DIT 101 and CT 121.

DIT 220 JAVA Programming 5 Credits

Provides a foundation in Java basics and prepares students to learn more advanced aspects of the Java language. Students install and use Java platform, explore stand-alone applications and Web-hosted applets, learn about Java's object-oriented building blocks, and work with Java's operators and control flow statements.

DIT 221 Web Authoring 5 Credits

Introduction to World Wide Web page design and development. Addresses issues concerning publishing web documents, designing user-friendly websites, fundamentals of

HTML (Hypertext Markup Language). Modules include: web page styles and designs, web page development using HTML, performance issues and ethics. Prerequisite: CT 121.

DIT 222 Advanced Web Design 5 Credits

Designed to give proficiency in designing website utilizing: website templates, forms, rollovers, and basic animations and database-driven pages. Prerequisite: DIT 221.

DIT 223 Webserver Management 5 Credits

Survey of the tools, techniques, and best practices used to create, maintain, and manage a web server. Dozens of hands-on projects are used to facilitate valuable practice and simulate real-life scenarios experienced by network administrators. Prerequisite: DIT 222.

DIT 254 Digital Imaging Portfolio 5 Credits

The digital publishing and multimedia fields encompass a wide array of occupations involving almost every sector of society. Jobs and careers are always emerging in the fast-paced, ever-changing world of digital media. The instructor will assign Digital Publishing Occupational and Employment Development topics for exploration and development. In addition the student will be expected to develop a portfolio of projects that demonstrate their technological knowledge. Prerequisite: CT 121 or instructor permission.

DIT 260 Digital Video and Streaming 5 Credits

Learn video technologies, basic equipment operation, video composition, basic lighting and audio, production planning, and visual storytelling. Format can include group projects or personal projects involving post-production editing. Topics include: creation of digital video productions for inclusion in multimedia and Web applications such as QuickTime and creation of video productions using digital non-linear editing technology. Prerequisite: CT 121.

DIT 297 Special Projects 1 - 5 Credits

Project-oriented experiences in the area or applications not covered in the standard digital imaging technology curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

Early Childhood Education

ECE 101 Introduction to Early Childhood Education 3 Credits

Develop an understanding of the foundations of early childhood education, including an overview of the profession and historic contexts. This course includes units on understanding and enhancing child development, curriculum and instruction, the importance of play and working with parents, families and communities. Recommended: READ 088.

ECE 129 CDA, Orientation and Pre-assessment I 5 Credits

The CDA program is a national effort to train, assess, and grant a professional credential to child care and preschool personnel. Emphasis on working in a center-based model with three-five year old children. The student examines and refines each of the functional areas to meet specific needs. Writing proficiency is emphasized. Coursework provides 55 hours of the required training for the CDA. Recommended: READ 088.

ECE 130 CDA, Orientation and Pre-assessment II 5 Credits

Continuance of ECE 129, includes participation through on-the-job observations and initial and final self-evaluations. Includes participation in either the process of a training plan or in completion of the CDA credentialing process. Writing proficiency is emphasized. Coursework provides 55 hours of the required training for the CDA. Recommended: READ 088.

ECE 133 Music and Art for Early Educators 3 Credits

Introduction to practice and use of music and creative activities (including songs, rhythms, body movement, and simple instruments) with young children. Topics include: use of basic art materials, techniques, and equipment; planning, presentation, and supervision of creative activities and materials; and developmental sequences of child development in the studies of music and art. Recommended: READ 088. Student may not earn credit for both ECE 133 and ED 133.

ECE 136 Environments for Young Children 3 Credits

Planning physical spaces appropriate to children's cognitive, physical, and socio-emotional development. Developing an understanding of the role of environments on children's learning and behavior, including schedules, materials, room arrangement, and center-based learning. Incorporating diversity through the environment is introduced and practiced. Recommended: READ 088.

ECE 137 Language Development and Literacy 3 Credits

Understand and explore language development and literacy from birth through elementary school. Topics include: typical and delayed language development, facilitation and modeling of literacy techniques for preschool, elementary children, special needs students, and ESL students. Recommended: READ 088. Student may not earn credit for both ECE 137 and ED 137.

ECE 139 Teaching Young Children I 3 Credits

Provides student experience in an early care setting. The student integrates experience and knowledge of young children in planning and assisting as preschool teacher/preschool teacher's assistant. Topics include: environments, curriculum evaluation, staff relationships, and code of ethics. Prerequisites: ECE 191 and instructor permission. Recommended: READ 088.

ECE 141 Child Development 3 Credits

Survey of the development and behavior of the child from prenatal to eight years of age. Discusses the characteristics of physical, intellectual, social, and emotional development of the young child. Topics include: child development, theories of child development, heredity, pregnancy and birth, impact of family, concerns for early childhood professionals, physical development (for infants, toddlers, and preschool), emotional and social development (for infants, toddler, and preschool), intellectual development (for infants, toddlers, and preschool). Recommended: READ 088. Student may not earn credit for both ECE 141 and ED 141.

ECE 144 Early Childhood Education Seminar.5 - 2 Credits

This course includes STARS and CDA seminars. Topics will vary by quarter.

ECE 148 Introduction to Child Care 2 Credits

Provides STARS approved basic training for childcare workers and licensed family day care personnel. Emphasis on care and guidance of children birth to eight years. Course is available on WAOL each quarter and in person at WWCC summer quarter only. Recommended: READ 088.

ECE 155 Introduction to Exceptional Children 3 Credits

Explore the characteristics of children with special needs. Topics include: history and legislation affecting special education as well as causes and classification of handicapping conditions. Methods to teach all children are practiced. Recommended: READ 088. Student may not earn credit for both ECE 155 and ED 155.

ECE 160 Instructional Strategies Special Needs Children 3 Credits

Provides the technical knowledge to modify behavioral difficulties and to program efficient educational sequences to remediate specific student skill deficits. Topics include: analysis of basic learning principles, considerations in selecting reinforcement, special techniques for training low-level skills, and a formal design to teach specific skills and/or concepts. Recommended: READ 088. Student may not earn credit for both ECE 160 and ED 160.

ECE 170 Guiding Behavior of Young Children 3 Credits

Study of classroom behavior management by gaining practical and theoretical information relating to successful practices in the classroom. Topics include: provisions and practices necessary to establish and maintain an appropriate learning environment. Recommended: READ 088. Student may not earn credit for both ECE 170 and ED 170.

ECE 175 Observation and Recording Behavior 3 Credits

Learn various techniques for observing and recording the behavior of children in the classroom setting. Students use information and records to develop curriculum and methods for teaching children. Assessment techniques and instruments are discussed. Study skills, including self-assessment are covered and anti-bias curriculum is

introduced. Recommended: READ 088. Student may not earn credit for both ECE 175 and ED 175.

ECE 191 Cooperative Work Experience 1 - 3 Credits

Opportunity to receive hands-on training in the early childhood field. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission. Recommended: READ 088.

ECE 199 Special Topics 1 - 5 Credits

Study and train to meet established local needs in the early childhood education field, supplemental to courses currently offered. Prerequisite: Instructor permission. Recommended: READ 088.

ECE 231 Curriculum Development 3 Credits

Provides a basic knowledge of developmentally appropriate teaching procedures. Students develop competencies in the establishment of long-range and short-term goals and objectives, as well as selection, presentation, and evaluation of a variety of methods and learning materials to achieve the goals. Topics include: emergent curriculum, anti-bias curriculum, developmentally appropriate practice and play. Recommended: READ 088. Student may not earn credit for both ECE 231 and ED 231.

ECE 232 Children's Literature for Educators 3 Credits

Develop competence in the use of various types of literature, criteria for selecting children's books, and methods to provide literary experiences with young children. Provides an opportunity to experience literature from Euro-American and other cultures. Topics include: selection of literature, methods of providing appropriate literary experiences for children, story telling, props, and dramatic play. Recommended: READ 088. Student may not earn credit for both ECE 232 and ED 232.

ECE 234 Child Nutrition, Health and Safety 3 Credits

Explore, understand, and analyze how various factors contribute to children's health and safety. It also focuses on the development of skills to assist the student in implementing appropriate health, safety and nutrition practices in the home and school setting. Recommended: READ 088.

ECE 236 Motor Development and Movement Education 3 Credits

Introduction to activities that assist in development of a young child's muscle coordination, awareness of body image and movement, and physical development. Topics include: developmental sequence, creative expression, brain development, group games, and play. Prerequisite: Instructor permission. Recommended: READ 088. Student may not earn credit for both ECE 236 and ED 236.

ECE 239 Teaching Young Children II 3 Credits

Provides student experience in an early childhood setting. Gain experience in integrating past experience and knowledge of young children in planning and assisting as preschool teacher/preschool teacher's assistant. Topics

include: environments, curriculum evaluation, staff relationships, and code of ethics. Prerequisite: Instructor permission, successful completion of ECE 139 and ECE 291. Recommended: READ 088.

ECE 240 Programs for Infants and Toddlers 3 Credits

Principles and theories of infant and toddler growth and development, including age appropriate activities and environments. Caregivers will learn to create safe, nurturing, predictable, cultural responsiveness to support social, emotional, cognitive and physical development. Recommended: READ 088.

ECE 242 Growth, Development and Guidance for School Aged 3 Credits

Introduction to growth, development, and guidance of school age children in childcare settings, including but not limited to social, cognitive, emotional, moral, physical, and self development; guidance and communication; conflict resolution; and working with families involved in school-age programs. Recommended: READ 088.

ECE 255 Children at Risk 3 Credits

Caring for children from families affected by substance abuse. Topics include: values clarification, family characteristics, families in treatment, empowerment. Recommended: READ 088. Student may not earn credit for both ECE 255 and ED 255.

ECE 261 Current Issues and Trends in Education 3 Credits

Overview of issues, trends, and policies in education. Topics include: social, political, economic, and educational issues that influence the education of children. Recommended: READ 088. Student may not earn credit for both ECE 261 and ED 261.

ECE 291 Cooperative Work Experience II 1 - 3 Credits

Opportunity to receive hands-on training in the early childhood field. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission. Recommended: READ 088.

ECE 297 Special Projects 1 - 10 Credits

Project-oriented experiences in the area or applications not covered in the standard early childhood education curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

ECE 299 Leadership 1 Credit

Encourage students to develop awareness of their leadership potential and abilities through small group discussions and assumption of leadership roles and responsibilities. Students will acquire information, experience diverse points of view, construct knowledge and practice a variety of interpersonal and social skills, such as communicating, goal-setting, decision-making, team-building, and managing stress.

Economics

ECON 200 Survey of Economics [SS] 5 Credits

Emphasis is given to application of economic principles and concepts in solving economic problems encountered by individuals at the firm or household level up to the national level. College transfer students are encouraged to take ECON 201 and ECON 202.

ECON 201 Fundamentals of Macroeconomics [SS] 5 Credits

Theory and policy related to organization and operation of a market economy. Topics include: supply and demand theory, government spending and taxation, money and banking, analysis of employment, inflation, aggregate output and economic growth, and fiscal and monetary policy tools.

ECON 202 Fundamentals of Microeconomics [SS] 5 Credits

Introduction to microeconomics as applied to production, consumption, and marketing issues in the business and production sectors of the economy. Topics include: supply/demand theory, consumer choice theory, production theory, and costs of production. Student may not earn credit for both ECON 202 and AGRI 202.

Education Paraprofessional

ED 110 Introduction to Education [SS] 3 Credits

Explores units on teaching as a profession and the history and philosophy of education. Includes observation of classroom procedures, critical reports, and research, as well as philosophical foundations and theories of education, legal issues, historical foundation, administration and governance, curriculum of schools. Recommended: READ 088.

ED 133 Music and Art for Educators 3 Credits

Introduction to practice and use of music and creative activities (including songs, rhythms, body movement, and simple instruments) with young children. Topics include: use of basic art materials, techniques, and equipment; planning, presentation, and supervision of creative activities and materials; and developmental sequences of child development in the studies of music and art. Recommended: READ 088. Student may not earn credit for both ED 133 and ECE 133.

ED 137 Language Development and Literacy 3 Credits

Understand and explore language development and literacy from birth through elementary school. Topics include: typical and delayed language development, facilitation and modeling of literacy techniques for preschool, elementary children, special needs students, and ESL students. Recommended: READ 088. Student may not earn credit for both ED 137 and ECE 137.

ED 141 Child Development 3 Credits

Survey of the development and behavior of the child from birth to eight years of age. Discusses the characteristics of physical, intellectual, social, and emotional development of the child, birth to adolescence. Recommended: READ 088. Student may not earn credit for both ED 141 and ECE 141.

ED 155 Introduction to Exceptional Students 3 Credits

Explore the characteristics of children with special needs. Topics include: legislation affecting special education as well as causes and classification of handicapping conditions. Strategies to teach all children are practiced. Recommended: READ 088. Student may not earn credit for both ED 155 and ECE 155.

ED 160 Instructional Strategies Special Needs Students 3 Credits

Provides the technical knowledge to modify behavioral difficulties and to program efficient educational sequences to remediate specific students skill deficits. Topics include: analysis of basic learning principles, considerations in selecting reinforcement, special techniques for training low-level skills, and a formal design to teach specific skills and/or concepts. Recommended: READ 088. Student may not earn credit for both ED 160 and ECE 160.

ED 170 Guiding Behavior of Young Children 3 Credits

Study of classroom behavior management. Assists the student in gaining practical and theoretical information relating to successful practices in the classroom. Topics include: provisions and practices necessary to establish and maintain an appropriate learning environment. Recommended: READ 088. Student may not earn credit for both ED 170 and ECE 170.

ED 175 Educational Assessment, Observation and Record Keeping 3 Credits

Learn various techniques for observing and recording the behavior of children in the classroom setting. Students use information and records to develop curriculum and methods for teaching children. Assessment techniques and instruments are discussed. Study skills, including self-assessment are covered and anti-bias curriculum is introduced. Recommended: READ 088. Student may not earn credit for both ED 175 and ECE 175.

ED 191 Cooperative Work Experience 1 - 3 Credits

Opportunity to receive hands-on training in the early childhood field. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission. Recommended: READ 088.

ED 199 Special Topics 1 - 5 Credits

Study and train to meet established local needs in the education field, supplemental to courses currently offered. Prerequisite: Instructor permission. Recommended: READ 088.

ED 200 Practicum I: Teaching Young Children 3 Credits

Provides the paraeducator student experience in an actual classroom setting. Gain experience in implementing prior knowledge and skill in planning and assisting as an education paraprofessional. Forty hours of lab required. Prerequisite: ECE 191 and instructor permission. Recommended: READ 088.

ED 210 Practicum II: Teaching Young Children 3 Credits

Second year students assume the role of paraeducator assisting in the classroom. The student will increase experience in implementing prior knowledge and skill in planning and assisting as an education paraprofessional. Forty hours of lab required. Prerequisite: ED 200, ECE 191 and instructor permission. Recommended: READ 088.

ED 231 Curriculum Development 3 Credits

Provides a basic knowledge of developmentally appropriate teaching procedures. Students develop competence in the establishment of long-range and short-term goals and objectives, as well as selection, presentation, and evaluation of a variety of methods and learning materials to achieve the goals. Topics include: emergent curriculum, anti-bias curriculum, developmentally appropriate practice and play. Recommended: READ 088. Student may not earn credit for both ED 231 and ECE 231.

ED 232 Children's Literature for Educators 3 Credits

Develop competence in the use of various types of literature, criteria for selecting children's books, and methods to provide literary experiences with young children. Provides an opportunity to experience literature from Euro-American and other cultures. Topics include: selection of literature, methods of providing appropriate literary experiences for children, story telling, props, and dramatic play. Recommended: READ 088. Student may not earn credit for both ED 232 and ECE 232.

ED 236 Motor Development and Movement Education 3 Credits

Introduction to activities that assist in development of a young child's muscle coordination, awareness of body image and movement, and physical development. Topics include: developmental sequence, creative expression, brain development, group games, and play. Prerequisite: Instructor permission. Recommended: READ 088. Student may not earn credit for both ED 236 and ECE 236.

ED 255 Children at Risk 3 Credits

Caring for children from families affected by substance abuse. Topics include: values clarification, family characteristics, families in treatment, empowerment. Recommended: READ 088. Student may not earn credit for both ED 255 and ECE 255.

ED 261 Current Issues and Trends in Education 3 Credits

Overview of issues, trends, and policies in education. Topics include: social, political, economic, and educational issues that influence the education of children. Recommended: READ 088. Student may not earn credit for both ED 261 and ECE 261.

ED 265 Instructional Strategies English as a Second Language 3 Credits

Develop a basic understanding of second language acquisition. A variety of instructional strategies are covered to address skill development in monolingual and bilingual students. Recommended: READ 088.

ED 285 Legal, Safety, and Health Issues 3 Credits

Learn health and safety methods and procedures for children and study aspects of child abuse and neglect laws, reporting procedures, HIV/AIDS prevention, blood borne pathogen education, and first aid. Basic education, special education, and categorical program requirements are overviewed as well as Code of Ethics. Recommended: READ 088.

ED 291 Cooperative Work Experience II 1 - 3 Credits

Opportunity to receive hands-on training in the early childhood field. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission. Recommended: READ 088.

ED 297 Special Projects 1 - 10 Credits

Project-oriented experiences in the area or applications not covered in the standard education paraprofessional curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

Energy Systems Technology

EST 100 Refrigeration and Air Conditioning Basics I 5 Credits

Provides a history of refrigeration while studying properties and laws of physics that allow the refrigeration process to work while learning to work safely with tools, piping, soldering and brazing. Topics include: theory of heat, matter and energy, refrigeration and refrigerants, safety practices, tools and equipment, fasteners, tubing and piping.

EST 101 Refrigeration and Air Conditioning Basics II 5 Credits

Explores the basics of calibrating instruments, refrigerant and oil management, system charging, and operation of package air conditioners. Topics include: room air conditioners and room heat pumps, PTAC, PTHP, electrical and mechanical troubleshooting, recovery, evacuation and charging. Prerequisite: EST 100 or instructor permission.

EST 110 Refrigeration and Air Conditioning Mechanical Equipment 6 Credits

Mechanical equipment used in the refrigeration and air conditioning trade and practice on proper troubleshooting and repair methods are covered. Proper application and repair of evaporators, condensers, compressors, expansion devices, and special components will be analyzed. Prerequisite: EST 100 or 101; or instructor permission.

EST 120 Air Conditioning Systems 6 Credits

Applies the basic requirements for residential and small commercial split system and central air conditioners is covered with emphasis placed on finding and repairing faults in typical equipment. Knowledge of comfort and psychometrics, system installation, operating and safety controls, typical operating conditions, and troubleshooting. Prerequisites: EST 100 and 101; or instructor permission.

EST 130 Introduction to Controls 6 Credits

Introduction to the basic principles of controls and instrumentation used for operating and safety controls used in measurement, transmission and control applicable to many industries. Topics include: terminology, symbols, operating principles and application of instruments used in various industries. Labs will vary by industry.

EST 131 Principles of Electricity Theory 5 Credits

Introduction to basic DC and AC electrical theory, instruments, wiring, electrical sources and application. The student will acquire a basic knowledge of electrical safety, theory, vocabulary, and calculations of series, parallel, and combination circuits involving Direct and Alternating Current.

EST 132 Principles of Electricity AC Application 5 Credits

Introduction to basic DC and AC electrical theory, containing capacitors, single and three-phase wiring, transformers, generators, alternators, motors and application. Acquire a basic knowledge of electrical theory, vocabulary, capacitors, resistive-inductive-capacitive reactance in series and parallel circuits, filters, resonance, single and three-phase transformers, DC generators, DC motors, three-phase alternators, three-phase and single phase motors. Recommended: EST 131.

EST 144 Industrial Safety in the Workplace 3 Credits

OSHA standards, medical first aid, emergency response, safety procedures and care/use of equipment are discussed. Topics include: safe use of ladders, scaffolds, platforms, and power tools; First Aid, CPR, fire extinguishers, ventilation and employer safety responsibilities will also be discussed.

EST 150 Electric Motor and Controls 8 Credits

The practical aspects of single and three phase motors and motor controls are covered. Students will learn electrical symbols and line diagrams, basic electricity and magnetism, automatic and electronic controls, electric motors, and circuits. Prerequisite: EST 131 or 132; or instructor permission.

EST 159 Hydraulics and Pneumatics 5 Credits

Explores the basic principles and understanding of hydraulic and pneumatic systems, using industry terminology, symbols, components, safety, calculations, operations and maintenance.

EST 191 Cooperative Work Experience 1 - 18 Credits

Opportunity to work in jobs directly related to the energy systems industry. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission.

EST 192 Cooperative Seminar 2 Credits

Students explore issues related to their cooperative work experience focusing on effective workplace relationships. Co-requisite: EST 191.

EST 199 Special Topics 1 - 10 Credits

Study and train to meet established local needs in the energy systems technology industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

EST 200 Ductwork Design and Fabrication 1 - 3 Credits

Design, fabrication, and installation of ductwork required in heating and air conditioning systems are covered. Prerequisite: Instructor permission.

EST 220 Ammonia Refrigeration Systems 4 Credits

Introduction to operation, maintenance, and repair of industrial refrigeration and ammonia systems. Application of refrigeration and electrical knowledge acquired from previous courses to understanding operation and maintenance of industrial refrigeration with emphasis on Ammonia (R717) and safety.

EST 240 Basic Electronics 5 Credits

Introduction to solid-state theory and basic electronic components. Students will study solid-state theory, operation, and testing of solid-state components and devices to include diodes, thermistors, transducers, photocells, transistor, SCR, Diac, Triac, SS relays, photoelectric and proximity controls. Prerequisite: EST 131 or instructor permission.

EST 249 Power Generation and Distribution 5 Credits

Introduction to the common components and applications of electrical generation and distribution systems of operation and maintenance of those systems. Prerequisites: EST 131 and 132; or instructor permission.

EST 250 Introduction to Programmable Controllers 5 Credits

Provides terminology, programming, and troubleshooting of industrial programmable logic controllers. Students gain knowledge of language, components, hands-on interfacing, programming with hand-held and PC computers. Prerequisite: EST 150 or instructor permission.

EST 254 Generators/Alternators/Transformers 6 Credits

Introduction to the concept of power generation and transformers, preparing the student to install, troubleshoot, service and repair. Prerequisites: EST 131 and 132; or instructor permission.

EST 260 Introduction to the National Electrical Code 1 Credit

Introduction to the National Electrical Code to familiarize students with legal codes concerning electrical safety. Students learn how to find applicable sections of code relating to their trade. Topics include: code definitions, single family, multi-family, commercial, and hazardous area code requirements. Current RCW and WAC Rules will also be discussed.

EST 264 Heating Systems and Heat Pumps 7 Credits

An operational understanding required to maintain and repair residential and heating equipment in residential and commercial installations will be covered. Students acquire basic knowledge in heat loss and heat gain, operation and electrical for: electric heat, gas heat, oil heat, hydronic heat and heat pumps. Prerequisite: EST 120 or instructor permission.

EST 265 Commercial Refrigeration Equipment 8 Credits

Explores design and operational requirements of low and medium temperature commercial refrigeration systems. Knowledge of commercial refrigeration systems with emphasis on analyzing system operation and faults. Prerequisite: EST 110 or instructor permission.

EST 297 Special Projects 1 - 18 Credits

Project-oriented experiences in the area or applications not covered in the standard energy systems technology curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

EST 299 Leadership 1 Credit

Encourage students to develop awareness of their leadership potential and abilities through small group discussions and assumption of leadership roles and responsibilities. Students will acquire information, experience diverse points of view, construct knowledge and practice a variety of interpersonal and social skills, such as communicating, goal-setting, decision-making, team-building, and managing stress.

English

ENG 059 Vocabulary 1 - 2 Credits

Learn to improve communication skills by broadening vocabulary. Instruction is individualized and based on students' goals.

ENG 086 Spelling I 1 - 2 Credits

A self-paced course that emphasizes basic spelling rules and principles, dictionary use, and writing as an approach to better spelling. A listening test is given to determine the student's individualized program.

ENG 089 Writing Fundamentals II 1 - 5 Credits

Focuses on key elements of grammar, sentence and paragraph structure, and specific writing tasks, such as descriptions, directions, and summaries. Prerequisite: Appropriate placement score and writing sample.

ENG 092 Special Topics in Writing I 1 - 5 Credits

Provides an opportunity to improve identified and specific areas of writing skills. Individualized instruction according to students' goals.

ENG 093 Special Topics in Writing II 1 - 5 Credits

Provides an opportunity to review a specific area of writing. Individualized instruction according to students' goals.

ENG 094 Special Topics in Writing III 1 - 5 Credits

Provides an opportunity to review a specific area of writing. Individualized instruction according to students' goals.

ENG 095 Individualized Study Skills 1 - 5 Credits

Improve student efficiency in the areas of listening and note taking, time management, textbook reading strategies, concentration, memory improvement, exam preparation, and test anxiety. Each topic may be taken as an individual credit for up to five credits in one quarter. Prerequisite: Appropriate placement score.

ENG 096 Spelling II 1 - 2 Credits

Continuance of ENG 086, Spelling I in a self-paced format. The student continues to work on individual areas of need determined by the listening test given in the previous course. Prerequisite: Completion of two credits of ENG 086.

ENG 099 Writing Fundamentals III 5 Credits

Grammar review, sentence combining, paragraphing, organization and development, and editing and proofreading. Prerequisite: Appropriate placement score or grade of C or higher in ENG 089.

ENG 100 Basic Expository Writing 5 Credits

Focuses on development of critical thinking and composition of analytic paragraphs and essays. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099.

ENG 101 English Composition I [C] 5 Credits

Focuses on the development of structural and stylistic writing skills with concentration on expository, critical, analytical, and persuasive essay techniques. Prerequisite: Appropriate placement score or grade of C or higher in ENG 100.

ENG 102 English Composition II [C] 5 Credits

Focuses on the unique process of writing an academic research paper that addresses the concerns of a research community. Prerequisite: Grade of C or higher in ENG 101.

ENG 120 Creative Writing I 3 Credits

Literary techniques and forms and encourages writing of original works of fiction and poetry will be explored. While acknowledged writers may serve as examples of the craft of writing, the emphasis of the course lies in developing one's own unique style through various creative approaches.

ENG 130 Creative Writing II 3 Credits

Literary techniques and forms and encourages writing of original works of fiction and poetry will be explored. While acknowledged writers may serve as examples of the craft of writing, the emphasis of the course lies in developing one's own unique style through various creative approaches.

ENG 140 Creative Writing III 3 Credits

Literary techniques and forms and encourages writing of original works of fiction and poetry will be explored. While acknowledged writers may serve as examples of the craft of writing, the emphasis of the course lies in developing one's own unique style through various creative approaches.

English as a Second Language

ESL 001 Educational Interview **1 Credit**

Linked with leveled ESL courses, meets for at least ten hours per quarter. State-mandated pre-testing and assessment testing as well as the College's registration process are included.

ESL 005 ESL Level I **1 - 9 Credits**

Offered to non-literate second language speakers. Students will acquire the basic literacy skills to proceed to ESL 010. Prerequisite: Placement by CASAS oral screen.

ESL 010 ESL Level II **1 - 9 Credits**

Offered to students who are literate in their own language or progressed from ESL 005. Students will be able to read small blocks of simple text and write simple sentences. Prerequisite: Placement by CASAS or completion of ESL 005.

ESL 012 ESL Writing I **1 - 4 Credits**

Based on the fundamentals of English grammar, progresses from vocabulary development to sentence-level grammatical instruction. Also, offers grammar structures in context.

ESL 013 ESL Writing II **1 - 4 Credits**

Students write narrative descriptions and short essays on familiar topics such as customs in native country. This course offers grammar structures in context. Computers are used for editing and proofreading. Prerequisite: CASAS (form 20) 210.

ESL 014 Oral Communication I **1 - 4 Credits**

For students needing skills in verbal communication at a basic level. Students will use familiar (memorized or routine) oral phrases, questions and social conversation to increase both speaking and listening comprehension. Students will acquire the basic speaking skills to proceed to ESL 015.

ESL 015 Oral Communication II **1 - 4 Credits**

Study and practice in pronunciation of North American English (NAE). Prerequisite: ESL 010 or instructor permission.

ESL 016 Occupational Conversation **1 - 4 Credits**

Introduction course for ESL students interested in health occupations. Students must be co-enrolled in ESL Level IV, V, or VI. Prerequisite: Permission of the Transitional Studies Department.

ESL 017 ESL for Pre Nursing Assistant **1 - 2 Credits**

Intermediate course for ESL students interested in the Pre Nursing Assistant program. Students must be co-enrolled in ESL Level IV, V, or VI. Prerequisite: Permission of the Transitional Studies Department.

ESL 018 ESL for Nursing Assistant **1 - 2 Credits**

Intermediate course for ESL students interested in becoming a Nursing Assistant. Students must be co-enrolled in ESL Level IV, V, or VI. Prerequisite: Permission of the Transitional Studies Department.

ESL 019 ESL Health Occupational Bridge **1 - 2 Credits**

Advanced course for ESL students interested in health occupations. Students must be co-enrolled in ESL Level IV, V, or VI. Prerequisite: Permission of the Transitional Studies Department.

ESL 020 ESL Level III **1 - 9 Credits**

Enables students to satisfy survival needs and routine work/social demands, handle work that involves oral and written instructions, comprehend basic citizenship skills, and communicate with native speakers. The students will apply basic sentence, fundamental spelling, and punctuation rules. Prerequisite: Placement by CASAS or completion of ESL 010.

ESL 030 ESL Level IV **1 - 9 Credits**

Enables students to satisfy survival needs and routine work/social demands and communicate with native English speakers on familiar topics. Prerequisite: Placement by CASAS or completion of ESL 020. Students may co-enroll in ESL Health Occupation courses with permission of the Transitional Studies Department.

ESL 040 ESL Integrated Basic Skills I **1 - 9 Credits**

Designed for pre-professional technical or academic preparatory students who need to improve their English language skills. Prerequisite: Placement by CASAS or completion of ESL 030. Student may co-enroll in a professional-technical course with the support of ESL instructor.

ESL 050 ESL Integrated Basic Skills II **1 - 9 Credits**

Students will identify realistic long-term career and academic goals and the stages by which to attain them. Students may co-enroll in a professional-technical course with support of ESL instructor. The student will also practice study skills to enable them to succeed in college courses. Prerequisite: Placement by CASAS or completion of ESL 040.

ESL 060 Multi-Level ESL **1 - 7 Credits**

Offered for ESL students in levels I-VI.

ESL 066 e-Learning for ESL **1 - 5 Credits**

Designed for ESL students at all levels of English competency. Students use a variety of computer programs and the Internet to improve language, grammar, vocabulary, study skills, and computer skills.

ESL 070 Special Purposes in ESL **1 - 3 Credits**

Opportunity for students to pursue special interests and topics in ESL.

Enology and Viticulture

EV 100 Orientation to the Wine Industry 1 Credit

Overview of the wine industry in the Walla Walla Valley and the state of Washington. This is an extension of the course entitled: "Vine to Wine" and is required for students majoring in Viticulture or Enology. Students will enhance their knowledge of this growing industry and its current and future impact. Students will gain a deeper understanding and appreciation for the art and skill that go into crafting premium wines. Must be at least 21 years old to enroll.

EV 101 Establishing a Vinifera Vineyard 5 Credits

Designed as an introduction to the processes of establishing a vineyard. Emphasis on site selection, vine varieties, soil preparation, planting methods, vineyard layout, and equipment requirements.

EV 102 Maintaining a Vinifera Vineyard 1 - 5 Credits

Provides the skills necessary for maintaining the vineyard from the point of dormancy through the harvest. Emphasizes crop monitoring techniques, pruning methods, bloom, vine manipulation, determining vine health, as well as the relationship that exists between the grower and the vintner.

EV 107 Winemaking for Viticulture 3 Credits

Introduction to the science of wine farming and investigates how premium wines are crafted in the vineyard, as well as at the winery.

EV 108 Wine Industry Employment 3 Credits

Provides insights and experiences necessary to become a successful job applicant in the wine industry. Investigate the employers' perspective, competitive job seeking, resume and application writing, networking and interview procedures.

EV 141 Introduction to Wine Marketing 3 Credits

Focuses on the student's attention on direct sales. This includes selling at the bonded premises, on-line and other direct sales methods.

EV 142 Consumer Direct Wine Sales and Marketing 3 Credits

Introduces the student to the goals of wine marketing, examines the difference between sales and marketing, and provides an in-depth look at the wine market.

EV 175 Vineyard and Winery Spanish 1 - 3 Credits

Designed for English speakers who work with winery and vineyard employees whose first language is Spanish. Covers basic pronunciation and verb conjugations while emphasizing vocabulary and expressions specific to the vineyard and winery.

EV 180 Seminar: Wines of the World 1 Credit

An introduction to the wine producing regions of the world including history, viticultural practices, and winemaking

styles. Includes sensory evaluation of representative wines. Must be at least 21 years old to enroll.

EV 182 Seminar: Wines of the Pacific Coast 1 Credit

An introduction to the wine regions of the Pacific Coast, as well as a study in the varieties they produce. Emphasis will be on Chile, California, Oregon and the grape growing regions of Eastern Washington. Each evening's study will include particulars about climate, soil, and unique facets about the region of the night. An organoleptic assessment of representative regional samples will culminate each lesson.

EV 186 Small Lot Winemaking 1 Credit

Designed for the home winemaker, this is a five-week course in which students will learn basic winemaking principles including fruit processing, juice additions, alcoholic and malo-lactic fermentations, and wine preservation and aging. Participants will crush and press Walla Walla Valley grapes and then take home their own five-gallon carboy of freshly pressed juice to finish into wine. Oak chips are optional.

EV 191 Cooperative Work Experience 1 - 3 Credits

Opportunity to work in jobs directly related to the enology and viticulture industry. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission.

EV 192 Cooperative Seminar 1 Credit

Explore issues related to cooperative work experience focusing on effective workplace relationships. Co-requisite: EV 191.

EV 196 Viticulture Practicum I 1 - 3 Credits

Provides students with hands-on learning experiences while assigned to a selected vinifera vineyard manager. Must be enrolled in the Viticulture program.

EV 197 Viticulture Practicum II 1 - 3 Credits

This is the second quarter of viticulture practicum which provides the student with hands-on learning experiences while assigned to a selected vinifera vineyard manager. Must be enrolled in the Viticulture program.

EV 198 Viticulture Practicum III 1 - 3 Credits

This is the third quarter of viticulture practicum which provides students with hands-on learning experiences while assigned to a selected vinifera vineyard manager. Must be enrolled in the Viticulture program.

EV 199 Special Topics 1 - 6 Credits

Study and train to meet established local needs in the enology and viticulture industry, supplemental to courses currently offered. Prerequisites: Current enrollment in the Enology program and instructor permission.

EV 203 Science of Winemaking I

5 Credits

In this advanced enology course, students are responsible for fruit processing in an actual commercial setting. Through hands-on experience, students will gain a knowledge of winery equipment such as forklifts, crusher/destemmers, presses, tanks, pumps and heating/cooling systems. Topics include: winemaking principles such as fruit selection, fruit processing, juice additions, alcoholic and malo-lactic fermentation, as well as winery hygiene. Prerequisites: At least 21 years old and instructor permission.

EV 204 Science of Winemaking II

5 Credits

Emphasises the chemistry of winemaking. Students will learn wine composition, wine analytical techniques, and the relevance of these analyses to winemaking decisions. Students will also gain hands-on experience participating in winery operations such as racking, topping, and blending. Prerequisites: At least 21 years old, successful completion of EV 203, MATH 065, and one of the following: CHEM 101, AGPR 120 or CHEM 121.

EV 205 Science of Winemaking III

5 Credits

Basic sensory science and how sensory evaluation relates to oak barrel selection, fining and filtration, blending, as well to wine defects are explored. Compounds responsible for specific aroma and flavor components are discussed. In addition to the continued monitoring of the wine produced in EV 203, students will learn how to care for and maintain oak barrels. Prerequisites: At least 21 years old and instructor permission.

EV 231 Pesticide Licensing for Viticulture

3 Credits

Preparation for the State of Washington pesticide-licensing exam with a special focus on wine grapes. Successful completion of this course and the state exam will result in issuance of the Washington State Pesticide License.

EV 243 Wine Marketing Programs

3 Credits

Enables the potential wine marketer to evaluation the risks and benefits of establishing a winery distribution system.

EV 286 Winemaking Practicum I

1 - 3 Credits

Students experience hands-on learning while working at a selected winery and receiving supervision from a professional vintner. Must be enrolled in the Enology program. Prerequisites: Instructor permission.

EV 287 Winemaking Practicum II

1 - 3 Credits

Offers hands-on learning while working at a selected winery and receiving supervision from a professional vintner. Must be enrolled in the Enology program. Prerequisites: Instructor permission.

EV 288 Winemaking Practicum III

1 - 3 Credits

Students experience hands-on learning while working at a selected winery and receiving supervision from a professional vintner. Must be enrolled in the Enology program. Prerequisites: Instructor permission.

EV 297 Special Projects

1 - 10 Credits

Project-oriented experiences in the area or applications not covered in the standard enology and viticulture curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

EV 299 Leadership

1 Credit

Encourage students to develop awareness of their leadership potential and abilities through small group discussions and assumption of leadership roles and responsibilities. Students will acquire information, experience diverse points of view, construct knowledge and practice a variety of interpersonal and social skills, such as communicating, goal-setting, decision-making, team-building, and managing stress.

Environmental Studies

ESCI 101 Introduction to Environmental Sciences [NS]

5 Credits

Provides a study of natural and modified systems and their interactions with humans and other living organisms. Students will gain scientific understanding of natural environments and the effects of human modification upon the natural world. Topics include: climate, soil, water resources, riparian areas, hazardous waste, and pollution of air, food, water, and agriculture. Students will learn about assessment procedures and riparian habitat improvements used by local government agencies. Lab work required. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098. Student may not earn credit for both ESCI 101 and AGPR 101.

Ethnic Studies

ETH 110 African-American Studies: 1950 To Present

3 Credits

Critically examines the impact of social, economic, political, educational and penal policies on African American Citizens. The course covers the period from 1950 to present. Consequently, it offers students the opportunity to analyze recent events through the lens of Black culture.

Family and Consumer Studies

FCS 009 Career Development for Displaced Homemakers

1 - 8 Credits

A career development and life planning course that specifically addresses the needs of displaced homemakers with instruction in basic workplace skills, career development, budget/finance, time/stress management, and improving self-esteem. Students focus on career goals as a basis for learning effective strategies to decrease barriers to employment success and self-sufficiency. This course also provides a support group for students during a critical time of transition

from the home to the workplace. There are no class fees for eligible displaced homemakers.

FCS 040 Baby and You **2 Credits**
Observation and classroom experience for parents and infants birth to 12 months. Development of the infant and the changing family relationships are studied. Parents attend course with their infant.

FCS 041 Baby and You **2 Credits**
Observation and classroom experience for parents and infants birth to 12 months. Development of the infant and the changing family relationships are studied. Parents attend course with their infant.

FCS 042 Baby and You **2 Credits**
Observation and classroom experience for parents and infants birth to 12 months. Development of the infant and the changing family relationships are studied. Parents attend course with their infant.

FCS 050 Parent Toddler Relationships **2 Credits**
Group observation and participation experience for parents of one year-olds to study and discuss relevant parenting topics. Discussions are enhanced through the use of current literature, videos, and guest speakers. Observing and interacting with children age 12-24 months provide the laboratory experience.

FCS 051 Parent Toddler Relationships **2 Credits**
Group observation and participation experience for parents of one year-old children to study and discuss relevant parenting topics. Discussions are enhanced through the use of current literature, videos and guest speakers. Observing and interacting with children age 12-24 months provide the laboratory experience.

FCS 052 Parent Toddler Relationships **2 Credits**
Group observation and participation experience for parents to study and discuss relevant parenting topics. Discussions are enhanced through the use of current literature, videos, and guest speakers. Observing and interacting with children age 12-24 months provide the laboratory experience.

FCS 060 Parent Toddler Relationships **2 Credits**
This parent education course provides an opportunity to discuss and study relevant parenting topics for parents of two year old children. Discussions are enhanced through the use of current literature, filmstrips, videos, and guest speakers from the community. Observing and interacting with children provide the laboratory experience.

FCS 061 Parent Toddler Relationships **2 Credits**
Group observation and participation experience for parents to study and discuss relevant parenting topics. Discussions are enhanced through the use of current literature, videos, and guest speakers. Observing and interacting with children 24-36 months old to provide the laboratory experience.

FCS 062 Parent Toddler Relationships **2 Credits**
Group observation and participation experience for parents to study and discuss relevant parenting topics. Discussions are enhanced through the use of current literature, videos and guest speakers. Observing and interacting with children age 24-36 months provide the laboratory experience.

FCS 070 Parent Toddler Relationships **2 Credits**
Group observation and participation experience for parents of three year olds to study and discuss relevant parenting topics. Discussions are enhanced through the use of current literature, videos, and guest speakers. Observing and interfacing with children three years old provide the laboratory experience.

FCS 071 Parent Toddler Relationships **2 Credits**
Group observation and participation experience for parents of three year old children to study and discuss relevant parenting topics. Discussions are enhanced through the use of current literature, videos, and guest speakers. Observing and interfacing with children three years-old provide the laboratory experience.

FCS 072 Parent Toddler Relationships **2 Credits**
Group observation and participation experience for parents of three year-old children to study and discuss relevant parenting topics. Discussions are enhanced through the use of current literature, videos, and guest speakers. Observing and interfacing with children three years old provide the laboratory experience.

FCS 100 Parent Cooperative Preschool **3 Credits**
Parents of children ages three to five years enroll in a parent education course which meets one evening per month. Parents register their child for a preschool group. Each preschool group charges tuition to cover operational costs of the group. Each parent participates in a weekly lab session with children to practice learning from parent education course.

FCS 101 Parent Cooperative Preschool **3 Credits**
Parents of children ages three to five years enroll in a parent education course which meets one evening per month. Parents register their child for a preschool group. Each preschool group charges tuition to cover operational costs of the group. Each parent participates in a weekly lab session with children to practice learning from parent education course.

FCS 102 Parent Cooperative Preschool **3 Credits**
Parents of children ages three to five years enroll in a parent education course which meets one evening per month. Parents register their child for a preschool group. Each preschool group charges tuition to cover operational costs of the group. Each parent participates in a weekly lab session with children to practice learning from parent education course.

FCS 165 General Nutrition

5 Credits

Study of food nutrients and application to normal health throughout the life cycle, including social-economic, cultural, ethnic, and psychological implications of food. Recommended: READ 098, high school or college chemistry.

Farrier Science

FRR 125 Farrier Short Course

21 Credits

Intensive six-week course designed to introduce a beginner to the needs and demands of the farrier profession. This course will give students the knowledge and skills to successfully shoe horses.

FRR 161 Record Keeping for Farriers

2 Credits

Introduction to basic record keeping for farriers. Includes record keeping and other information needed for small businesses.

FRR 162 Small Business Management for Farriers

2 Credits

Introduction to management tools for small business. Includes knowledge of financial statements, business planning and budgeting, inventory control, financing and marketing.

FRR 191 Cooperative Work Experience

1 - 18 Credits

Opportunity to work in jobs directly related to the farrier industry. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission.

FRR 192, Cooperative Seminar

1 credit

Explore issues related to cooperative work experience focusing on effective workplace relationships. Co-requisite: FRR 191.

FRR 194 Basic Shoeing

1 - 18 Credits

Introduction to basic horse shoeing and forge work. Includes basic anatomy, basic balance, and basic shoeing.

FRR 195 Intermediate Shoeing

1 - 18 Credits

Hands-on shoeing and forge work experience with live horses. The student learns how to trim a horse's hooves, make or shape shoes, and apply them. Prerequisite: FRR 194.

FRR 197 Advanced Shoeing

1 - 18 Credits

Hands-on shoeing experience with live horses. Learn how to trim a horse's hooves, make or shape shoes, and apply them. Prerequisite: FRR 195.

FRR 199 Special Topics

1 - 10 Credits

Study and train to meet established local needs in the farrier industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

FRR 245 Advanced Hoof Preparation and Shoeing

1 - 16 Credits

Hands-on shoeing experience with live horses for students beyond the intermediate level. Learn how to improve forging and shoeing abilities. Prerequisite: Instructor permission.

FRR 255 Advanced Forging - Homemade Shoe Unit

1 - 16 Credits

Hands-on shoeing experience with live horses for students beyond the intermediate level. The student applies hand made shoes with clips. Prerequisite: Instructor permission.

FRR 283 Therapeutic Shoeing

1 - 16 Credits

Hands-on shoeing experience with live horses for students beyond the intermediate level. Learn how to make and apply all types of therapeutic and hand forged shoes. Prerequisite: Instructor permission.

FRR 297 Special Projects

1 - 13 Credits

Project-oriented experiences in the area or applications not covered in the standard farrier curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

FRR 299 Leadership

1 Credit

Encourage students to develop awareness of their leadership potential and abilities through small group discussions and assumption of leadership roles and responsibilities. Students will acquire information, experience diverse points of view, construct knowledge and practice a variety of interpersonal and social skills, such as communicating, goal-setting, decision-making, team-building, and managing stress.

Fire Science

FCA 100 Introduction to Firefighting

2 Credits

Provides an overview of the fire service and the role of the firefighter. Several aspects of a career with the Fire Service will be explored beginning with the origins of the modern American fire service, the complexity of the organization, and an introduction to the activities involved in fire protection. Students must have acceptance into the Fire Science program to enroll.

FCA 105 Hydraulics

3 Credits

Consistent with the competencies identified in National Fire Protection Association (NFPA) standards with primary emphasis on the duties and responsibilities of a pump operator. This is accomplished by learning the operating principles, theories, and construction of the apparatus, the maintenance, pumping, operating the pump, and the study of circulating hydraulics. Prerequisite: FCA 113. Recommended: MATH 107.

FCA 111 Fundamentals of Firefighting

4 Credits

Provides an introduction to firefighting fundamentals according to National Fire Protection Association (NFPA) standards and includes a practicum element. Topics include: personal protective equipment, search and rescue techniques, health and safety, fire behavior, incident command systems, ladders and ventilation, and hazardous materials.

FCA 113 Intermediate Firefighting

6 Credits

Enhances information discussed in FCA 111, Fundamentals of Firefighting. Taught in accordance with National Fire Protection

Association (NFPA) standards. Topics include: hazardous materials, fire behavior, use and types of extinguishers, advanced ventilation, search and rescue, forcible entry techniques, ropes and knots, and techniques in salvage and overhaul. Prerequisite: FCA 111 or instructor permission.

FCA 115 Advanced Firefighting 5 Credits

Taught according to the standards of the National Fire Protection Association (NFPA) and is the final segment in the FCA 111, FCA 113, and FCA 115 series. The course expands on the topics covered in the previous courses and will include hydraulics, sprinkler systems, fire prevention education, investigation, and multi-company operations. Upon completion of this segment, the student will be able to take the test for Level 1 Firefighter conducted by the state Fire Protection Bureau. Those who successfully complete the test will receive a certificate from the International Fire Service Accreditation Congress (IFSAC) that is recognized in 35 states and 19 countries. Prerequisite: FCA 113 or instructor permission.

FCA 120 Fire Investigation 3 Credits

Basic study of fire scene investigation procedures and techniques used to determine the origin and cause of fire. Topics include: accurate determination of the origin and cause of fire, systematic approach to fire scene examination, chemistry of fire, accidental and incendiary fire causes, scene sketching, scene photography, note taking, and Washington State Criminal statutes. Additionally basic scene security, major fire scene control, report writing, interviewing, and courtroom demeanor for the firefighter and investigator will be discussed. Prerequisite: FCA 115 or instructor permission.

FCA 137 Fire Protection Systems 3 Credits

Study of fire protection and detection systems with a focus on the introduction of sprinkler system operation, maintenance, and inspection. Includes basic system designs including wet, dry, deluge, and pre-action; various sprinkler heads; system parts including connections and valves; and system operation including water supply. Maintenance and inspection of sprinkler systems and fire department support are discussed. Additional topics include: occupancies requiring non-water type systems, examination of carbon dioxide systems, halogenated systems, wet/dry chemical systems, and standpipe systems along with the fire department standpipe systems. Additionally, the course explores fire extinguishers, fire detection and alarm systems. Prerequisite: FCA 113 or instructor permission.

FCA 152 Building Construction 3 Credits

Overview of building construction engineering principles, fire and life safety concerns, hazardous materials/techniques, and related design factors. Significant course time concentrates on the hazards of various methods, techniques, components, and materials found in building construction. Special attention to lightweight construction techniques as

well as strategic and tactical considerations for contemporary building design. Utilization of building construction knowledge for pre-planning fire potential is emphasized. Prerequisite: FCA 115 or instructor permission.

FCA 160 Fire Tactics I 3 Credits

Addresses training in the planning, implementation, and evaluation of basic fire tactics at the responding officer level. Principle elements include pre-fire planning, size-up, fire simulation, fire behavior, organizational structures, tactics, strategy, resource requirements, and allocation of resources. Prerequisite: FCA 115 or instructor permission.

FCA 177 Wildland Fire Management 3 Credits

Designed for the company officer, initial attack incident commander, and other firefighters that are confronted with a wildland/urban interface fire situation and will focus on strategy and tactical decisions than minimize property damage. Students will participate in a simulated fire incident, being required to evaluate the situation, order and deploy attack and support resources, and safely and effectively provide control of the situation. Prerequisite: FCA 111 or instructor permission.

FCA 190 Uniform Fire Codes and Inspections 4 Credits

Study of the Uniform Fire Code as it applies to fire prevention inspections at the fire company level. Includes the Fire Code's relationship to the Uniform Building Code and other recognized standards. Special attention is given to the establishment and maintenance of model codes, the inspection process, and developing an understanding of the administrative section of the Uniform Fire Codes and the Uniform Building Codes. Discussion of public relations and alternate methods and materials give the course a realistic approach to field applications. Prerequisite: FCA 115 or instructor permission.

FCA 285 Public Safety Educator I 2 Credits

Instruction on the skills and knowledge required to present public relations material and educational information from the fire service to the general public and other targeted groups on prevention, safety, and other fire related issues. In addition to the educational component, the student gains insights into working with community agencies, understanding the legislative process, and securing funding and other resources.

FCA 299 Leadership 3 Credits

Introduces the Fire Science student to leadership and influencing skills among emergency personnel. It will explain why effective leadership begins with personal insight and development, describe various leadership models, explore the value of trust in an organization, how to acquire personal influence, and how leaders create a work environment fostering leadership in others. In addition, the students will discuss the decision-making process especially in a crisis. Prerequisite: FCA 115 or instructor permission.

French

FREN 101 French I [H] 5 Credits

First quarter of a sequential first-year college-level French course that provides students with the basic tools of vocabulary, grammar, and pronunciation, along with opportunities to develop proficiency in listening, speaking, reading, and writing, while being exposed to the richness and diversity of the French-speaking world.

FREN 102 French II [H] 5 Credits

Second quarter of a first-year college-level French course that provides students with the basic tools of vocabulary, grammar, and pronunciation, along with opportunities to develop proficiency in listening, speaking, reading, and writing, while being exposed to the richness and diversity of the French-speaking world. Prerequisite: FREN 101 or instructor permission.

FREN 103 French III [H] 5 Credits

Third quarter of a first-year college-level French course that provides students with the basic tools of vocabulary, grammar, and pronunciation, along with opportunities to develop proficiency in listening, speaking, reading, and writing, while being exposed to the richness and diversity of the French-speaking world. Prerequisite: FREN 102 or instructor permission.

FREN 201 French IV [H] 5 Credits

First of a three-quarter sequence that encourages students to use their language skills more actively and at a more sophisticated level than the first-year sequence, this course provides a review and expansion of French grammar, development of conversational skills, reading literary and cultural materials, and writing compositions. Prerequisite: FREN 103 or instructor permission.

FREN 202 French V [H] 5 Credits

Second of a three-quarter sequence that encourages students to use their language skills more actively and at a more sophisticated level than the first-year sequence, this course provides a review and expansion of French grammar, development of conversational skills, reading literary and cultural materials, and writing compositions. Prerequisite: FREN 201 or instructor permission.

FREN 203 French VI [H] 5 Credits

Third of a three-quarter sequence that encourages students to use their language skills more actively and at a more sophisticated level than the first-year sequence, this course provides a review and expansion of French grammar, development of conversational skills, reading literary and cultural materials, and writing compositions. Prerequisite: FREN 202 or instructor permission.

Geography

GEOG 105 Physical Geography [NS] 5 Credits

The earth is a dynamic system that provides the exact combination of interrelated components to support life as we know it as this time. Introduces all aspects of earth systems, identifying physical phenomena and stressing their distribution and relationships. It will place a special emphasis on human-environmental relationships. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

GEOG 170 Introduction to Maps and Cartography [NS] 5 Credits

Introduction to the descriptive and graphic language of maps, the history of maps, map types, map study and interpretation, map uses, and mapping technology. Also, a brief introduction to cartography and geographic information systems (GIS) will be discussed. Lab work required. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

GEOG 201 Introduction to World Regional Geography [SS] 5 Credits

A study of the countries, regions, and people of the world in which we live. Emphasis placed on the examination of the interrelationships between people and their physical and cultural environments. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

GEOG 210 Introduction to Weather [NS] 5 Credits

Examines the nature of the atmosphere including: the study of weather elements, weather systems, climate, and the impact weather has on humans and vice versa. Provides an introduction to meteorology and the tools involved in the study of weather and climate. Prerequisites: MATH 095; appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098; word processing and spreadsheet skills.

GEOG 211 Introduction to Climate and Climate Change [NS] 5 Credits

Study of the global climate system. Examines the various factors that influence climate, including the interactions between the atmosphere, ocean, land, and biosphere. Other topics include: specific climate classifications, local climates, human interactions and influences on climate, climates of the past, possible climates of the future, and climate models. Prerequisites: MATH 095; appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098; word processing and spreadsheet skills.

Geology

GEOL 101 Physical Geology [NS]

5 Credits

Study of the materials and processes of the earth. Topics include: rocks and minerals, geologic time, volcanic activity, plate tectonic theory, earthquakes, earth's interior, and the surface processes controlled by wind, water movement, and gravity. Laboratory exercises involve identification of common rocks and minerals, use of topographic and geologic maps, and knowledge gained through the study of earthquakes. Course also includes one local field trip. Lab work required. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

GEOL 120 Environmental Earth Science [NS]

5 Credits

A multi-disciplinary course designed to furnish the student with the basic background to understand the dynamic earth and the natural and cultural processes that affect the lithosphere, hydrosphere, and atmosphere. Lab work required. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

GEOL 130 History of Life on Earth [NS]

5 Credits

Study of the ways geology reveals and records the history of life on earth. Topics include: geologic time, appearance of life, concepts of evolution, fossilization processes, taxonomy, biogeography, emphasis on fossil groups through time, extinction events/theories. Course includes one field trip and does not include a lab. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

GEOL 201 Historical Geology [NS]

5 Credits

Study of the geological history of the earth; evolution of the earth, oceans, mountain building processes, and life. The principles of stratigraphy, biostratigraphy, geochronology, fossil identification, paleogeographic reconstructions, and plate tectonics are discussed. Lab work required. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

GEOL 210 Pacific Northwest Geology [NS]

5 Credits

Examines the geology and geologic history of the Pacific Northwest. Topics include: volcanoes, earthquakes, plate tectonics, rocks and minerals, faults and folds, mountain building, and glaciations. Lab work required. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

High School Completion

HSC 037 U.S. History II

1 - 5 Credits

The history and culture of the United States from approximately 1876 to the present.

HSC 038 Civics and Contemporary Affairs

1 - 5 Credits

A study of our freedoms and responsibilities as U.S. citizens including the Constitution, Bill of Rights, foreign relations. Focuses on the Constitution and current issues.

HSC 039 Pacific Northwest History

1 - 3 Credits

Geography, Indian cultures, settlement, economy, and ecology of the state of Washington and the Pacific Northwest.

HSC 040 General Science I

1 - 5 Credits

Introduction to the physical sciences, including topics from the fields of physics, astronomy, and geology. Emphasis on understanding the scientific method in preparation for advancement to college level science courses.

HSC 041 General Science II

1 - 5 Credits

Introduction to the life sciences, including topics from the fields of biology, chemistry, and environmental science. Emphasis on understanding the scientific method in preparation for advancement to college level science courses.

History

HIST 101 Western Civilization I [H, SS]

5 Credits

Survey of the history of Western society and culture from origins to Renaissance, Renaissance to Industrial Revolution, Industrial Revolution to the present. Recommended: READ 098. Student may not earn credit for both HIST 101 and 105.

HIST 102 Western Civilization II [H, SS]

5 Credits

Survey of the history of Western society and culture from origins to Renaissance, Renaissance to Industrial Revolution, Industrial Revolution to the present. Recommended: READ 098. Student may not earn credit for HIST 102 and 107.

HIST 103 Western Civilization III [H, SS]

5 Credits

The history of Western society and culture covering from origins to Renaissance, Renaissance to Industrial Revolution, Industrial Revolution to the present. Recommended: READ 098. Student may not earn credit for both HIST 103 and 109.

HIST 105 World History [H, SS]

5 Credits

Introduction to the history of world cultures from a global perspective, dealing with the development of human civilizations from ancient origins. Recommended: READ 098. Student may not earn credit for both HIST 105 and 101.

HIST 107 Early Modern Civilization [H, SS] 5 Credits

Introduction to the history of world cultures from a global perspective, dealing with the development of human civilizations from approximately 1000 years ago to about 200 years ago. Recommended: READ 098. Student may not earn credit for HIST 107 and 102.

HIST 109 Modern Civilization [H, SS] 5 Credits

Introduction to the history of world cultures from a global perspective, over the last 200 years. Focuses on the impact of industrialization on democratization, the rise and fall of Western hegemony, war and revolution in 20th century culture, and the emergence of a global village. Recommended: READ 098. Student may not earn credit for both HIST 109 and 103.

HIST 120 American Presidency [SS] 5 Credits

A historical and analytical examination of the office of the Presidency. Focuses on the evolutionary changes in the power of the office and the consequences for leadership in America. Recommended: READ 098. Student may not earn credit for both HIST 120 and PSCI 120.

HIST 201 American History I [SS] 5 Credits

Survey of the significant individuals and events that have shaped the growth and development of the United States. Particular attention will be given to the political, economic, religious, and cultural foundations of this development. This course covers the time period from the early Native American societies to the 1840s. Recommended: READ 098.

HIST 202 American History II [SS] 5 Credits

Survey of the significant individuals and events that have shaped the growth and development of the United States. Particular attention will be given to the political, economic, religious, and cultural foundations of this development. This course focuses on the period from the 1840s to World War I. Recommended: READ 098.

HIST 203 American History III [SS] 5 Credits

Survey of the significant individuals and events that have shaped the growth and development of the United States. Particular attention will be given to the political, economic, religious, and cultural foundations of this development. This course surveys the significant forces and people that have shaped American civilization from the Progressive Era to the present. Recommended: READ 098.

HIST 210 Northwest History [SS] 5 Credits

Survey of the growth and development of the Pacific Northwest Region from the early Native American societies to the present. Focuses on the cultural, economic, political, and religious development of Washington, Oregon, and Idaho from jointly occupied territories to statehood. Special emphasis will be given to the consequences of contact between European/American groups and the indigenous Native societies. Recommended: READ 098.

HIST 211 U.S. in World Affairs I [SS] 5 Credits

Examination of American involvement in international affairs. Study includes this country's foreign policy actions as a world power, with attention to both the policy makers and critics of our nation's position on significant international issues from the colonial period to the Great War. Recommended: READ 098. Student may not earn credit for both HIST 211 and PSCI 211.

HIST 212 U.S. in World Affairs II [SS] 5 Credits

Examination of American involvement in international affairs since 1898. Study includes America's foreign policy and actions as a world power with attention to both the policymakers and critics of the nation's position in significant international issues. Recommended: READ 098. Student may not earn credit for both HIST 212 and PSCI 212.

HIST 240 Western Minority History [SS] 5 Credits

A general examination of the specific minority groups that helped explore, settle, and develop the Western United States. Cultural, religious, political, and socio-economic differences between the Native American societies and the dominant Spanish and American societies will be examined. Special attention will be given to examining, discussing, and challenging the traditional histories concerning the region. Recommended: READ 098.

HIST 250 Introduction to Latin America [SS] 5 Credits

Provides a brief introduction to Latin America, from Pre-Columbia origins, conquest, to colonial times; to independence and modern states. Students are not expected to have previous knowledge or background related to this subject. Recommended: READ 098.

HIST 255 Traditional East Asian Civilization [SS] 5 Credits

Survey of Chinese and Japanese history and culture from prehistory to present. Recommended: READ 098.

HIST 256 Modern East Asian Civilization [SS] 5 Credits

Survey of Chinese, Japanese, Korean, and Vietnamese history and culture from 1800 to the present. Recommended: READ 098.

HIST 262 The Modern Middle East [SS] 5 Credits

Introduction to the political, social, economic, and cultural patterns of development in the Middle East from 1798 to the present. Topics begin with the Reforms of the Ottoman Empire and conclude with the American occupation of Iraq. Recommended: READ 098.

HIST 280 Women in U.S. History [SS] 5 Credits

Survey of the significant contributions of women to the growth and development of the United States from the early Native American societies to the present. Examine pioneering individuals and organizations, relevant legal, social, moral, political, economic, and religious issues concerning women in American society. Recommended: READ 098. Student may not earn credit for both HIST 280 and WST 280.

Humanities

HUM 101 Introduction to Humanities I [H] 5 Credits

Opportunity to experience the culture of Western civilization. Course discusses selections in art, drama, music, literature, philosophy and architecture, and is structured to provide a historical overview from prehistoric times and the ancient world through the Classical Age. Western culture is emphasized, but study of China, India, Japan, Islam, Africa, Meso-America and North America is included. Prehistory and the ancient world through the Classical Age.

HUM 102 Introduction to Humanities II [H] 5 Credits

Opportunity to experience the culture of Western civilization. Course covers selections in art, drama, music, literature, philosophy and architecture, and is structured to provide a historical overview of each major period from early middle ages to the Renaissance. Western culture is emphasized, but study of China, India, Japan, Islam, Africa, Meso-America and North America is included. Historical periods associated with the foundation of modern culture from early middle ages to the Renaissance.

HUM 103 Introduction to Humanities III [H] 5 Credits

Opportunity to experience the culture of Western civilization. Course covers selections in art, drama, music, literature, philosophy and architecture, and is structured to provide a historical overview of each major period from Baroque period to contemporary times. Western culture is emphasized, but study of China, India, Japan, Islam, Africa, Meso-America and North America is included. The Baroque period to contemporary times, stressing dramatic change and forceful artistic expression.

HUM 106 Introduction to Classic Film [H] 5 Credits

Studies the technical and artistic elements of several full length classic motion pictures with emphasis on film technique, film criticism, and film genre.

HUM 107 American Culture in Film [H] 5 Credits

Examines the female and male image in several genres of Hollywood movies from 1930 to the present.

HUM 109 World Arts and Culture [H] 5 Credits

World Arts and Culture examines world arts in literature, poetry, visual art, film, drama, music and history. The course focuses on cultures outside the United States. Course is participatory, student focused, and group-work oriented. Recommended: ENG 100.

HUM 110 Four Perspectives [H] 3 Credits

Exploration of four remarkable perspectives in human history based on the lives and the teachings of Pythagoras, the Buddha, Jesus Christ, and Galileo. Readings and films, as well as poetry, paintings, and music provide a means to understanding the Pythagorean idea of Nature as governed by number, Buddhist mindfulness, Christian love as a challenging

and active way of life, and Galileo's contribution to the methods of modern science and experimental inquiry.

HUM 201 Latino Arts and Culture I [H] 3 Credits

Examination of current-day Hispanic-Latino culture in the United States as represented in film, video, and Latino popular music.

HUM 202 Latino Arts and Culture II [H] 3 Credits

Examination of current day Hispanic-Latino culture in the United States. This is based on four perspectives: Latino art, modern Latino literature, Chicano poetry, and a view of the current socio-political landscape in the greater national Latino community.

HUM 299 Special Topics 1 - 5 Credits

Opportunity for students to pursue special interests and topics in the humanities. Requires working with humanities faculty to develop a project and to determine the research and presentational methods as well as outcomes to be achieved and assessed.

John Deere Dealership Management

JDAS 101 John Deere Fundamentals and Orientation 1 Credit

Introduction to manuals, time management, engine classifications, serial numbers, and service department policies. Orientation to tractor and combine evolution, equipment options, and the proper use and care of power and hand tools. Student may not earn credit in both JDAS 101 and JD 101.

JDAS 110 John Deere Theory of Engine Operations 2 Credits

Provides the basic physical principles, operation, and construction of two- and four-stroke cycle engines. Topics include: ignition timing of four-stroke cycle engines, basic diagnostic engine test procedures, and types of internal combustion engine cooling systems. Student may not earn credits for both JDAS 110 and JD 110.

JDAS 115 John Deere Electrical 3 Credits

Provides basic electrical principles and applications of magnetism, electromagnetism, and the safe utilization of electrical test meters. Principles of operation, testing, and repair of ignition systems, cranking systems, and charging systems are demonstrated and practiced. Student may not earn credit for both JDAS 115 and JD 115.

JDAS 135 John Deere Tractor Performance 2 Credits

Provides proper performance of John Deere agricultural tractors. Techniques and procedures for determining percentage of tractor slippage and ballast are demonstrated, practiced and corrections made in actual field conditions. Dynamometer operation, test procedures, and safety are demonstrated. Student may not earn credit for both JDAS 135 and JD 135.

JDAS 190 Cooperative Work Experience I 1 - 16 Credits

Offers students an opportunity to receive on-the-job work experience in a John Deere Dealership. Students apply and utilize skills learned on campus. Student may not earn credit in both JDAS 190 and JD 190.

JDAS 191 Cooperative Work Experience II 1 - 16 Credits

Opportunity to receive on-the-job work experience in a John Deere Dealership. Students apply and utilize skills learned on campus. Prerequisite: JDAS 190. Student may not earn credit in both JDAS 191 and JD 191.

JDAS 199 Special Topics 1 - 10 Credits

Study and train to meet established local needs in the John Deere industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

JDAS 205 John Deere Hydraulics 3 Credits

Principles and application of fluid flow and hydraulic components are discussed. Testing and repair of low-pressure and high-pressure systems and control circuits are explained, demonstrated, and practiced. Offered to second year students only. Student may not earn credit in both JDAS 205 and JD 205.

JDAS 221 Ag Management Solutions 1 Credit

Provides basic knowledge and skills that enable students to market, and support solutions that feature products from Ag Management Solutions. Much of this training is designed specifically to enable the student to understand the different applications of global positioning systems and precision farming practices. Students will apply problem-solving skills.

JDAS 225 John Deere Planting Equipment 1 Credit

Provides proper performance of John Deere planting equipment. Topics include: theory, design, principles of operation, proper setup and adjustment of all planting equipment. Student may not earn credit in both JDAS 225 and JD 225.

JDAS 230 John Deere Harvesting Equipment 2 Credits

Performance of John Deere harvesting equipment will be analyzed. Topics include: theory, design, principles of operation, proper set up and adjustment of all harvesting equipment. Emphasis on combines, hay, and forage equipment. Student may not earn credit for both JDAS 230 and JD 230.

JDAS 290 Cooperative Work Experience III 5 Credits

Offers students an opportunity to receive on-the-job work experience in a John Deere Dealership. Students apply and utilize skills learned on campus. Student may not earn credit in both JDAS 290 and JD 290.

JDAS 297 Special Projects 1 - 16 Credits

Project-oriented experiences in the area or applications not covered in the standard John Deere curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

John Deere Technology

JD 101 John Deere Fundamentals and Orientation 3 Credits

Introduction to manuals, time management, engine classifications, serial numbers, and service department policies. Orientation to tractor and combine evolution, equipment options, and the proper use and care of power and hand tools. Student may not earn credit in both JD 101 and JDAS 101.

JD 110 John Deere Theory of Engine Operations 3 Credits

Provides basic physical principles, operation, and construction of two- and four-stroke cycle engines. Topics include: ignition timing of four-stroke cycle engines, basic diagnostic engine test procedures, and types of internal combustion engine cooling systems. Student may not earn credits for both JD 110 and JDAS 110.

JD 115 John Deere Electrical 8 Credits

Provides basic electrical principles and applications of magnetism, electromagnetism, and the safe utilization of electrical test meters. Principles of operation, testing and repair of ignition systems, cranking systems, and charging systems are demonstrated and practiced. Student may not earn credit for both JD 115 and JDAS 115.

JD 120 John Deere Heating and Air Conditioning 4 Credits

Theory, operation, and repair of late model John Deere air conditioning, heating, and ventilation systems are discussed. Recovery, recycling, and recharging of the air conditioning systems are demonstrated and practiced.

JD 125 John Deere Diesel and Gasoline Fuel Systems 4 Credits

Theory, operation, construction, testing, and repair methods for spark ignition and compression ignition fuel systems are explored. Topics include: relationship of valve timing, ignition, and injection timing to normal combustion. Theory and repair practices are demonstrated and discussed.

JD 130 John Deere Engine Repair 6 Credits

Basic theory, construction, and operation of gas and diesel engines are analyzed. Topics include: disassembly, inspection, measurement, reassembly, and adjustments to John Deere diesel and gas engine components.

JD 135 John Deere Tractor Performance 3 Credits

Provides proper performance of John Deere agricultural tractors. Techniques and procedures for determining percentage of tractor slippage and ballast are demonstrated, practiced and corrections made in actual field conditions. Dynamometer operation, test procedures, and safety are demonstrated. Student may not earn credit for both JD 135 and JDAS 135.

JD 190 Cooperative Work Experience I 1 - 16 Credits

Offers students an opportunity to receive on-the-job work experience in a John Deere Dealership. Students apply and utilize skills learned on campus. Student may not earn credit in both JD 190 and JDAS 190.

JD 191 Cooperative Work Experience II 1 - 16 Credits

Opportunity to receive on-the-job work experience in a John Deere Dealership. Students apply and utilize skills learned on campus. Prerequisite: JD 190. Student may not earn credit in both JD 191 and JDAS 191.

JD 199 Special Topics 1 - 10 Credits

Study and train to meet established local needs in the John Deere industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

JD 205 John Deere Hydraulics 9 Credits

The principles and application of fluid flow and hydraulic components are discussed. Testing and repair of low-pressure and high-pressure systems and control circuits are explained, demonstrated, and practiced. Offered to second year students only. Student may not earn credit in both JD 205 and JDAS 205.

JD 210 John Deere Power Train 9 Credits

Theory of power transmission from engine to traction wheels are discussed. Topics include: function and operation of gears, chains, clutches, planetary gears, drive lines, differentials, and transmissions. Complete disassembly, inspection, and reassembly to specification are practiced. Offered to second year students only.

JD 215 John Deere Cab/Chassis Electrical and Electronics 4 Credits

Review of electrical fundamentals, basic electronics, and electrical diagnostics. Topics include: techniques of electrical and electronic circuit diagnostics and reading electrical schematics.

JD 221 Ag Management Solutions 2 Credits

Provides basic knowledge and skills that enable students to market, and support solutions that feature products from Ag Management Solutions. Much of this training is designed specifically to enable the student to understand the different applications of global positioning systems and precision farming practices - students will apply problem-solving skills.

JD 225 John Deere Planting Equipment 3 Credits

Provides proper performance of John Deere planting equipment. Topics include: theory, design, principles of operation, proper setup and adjustment of all planting equipment. Student may not earn credit for both JD 225 and JDAS 225.

JD 230 John Deere Harvesting Equipment 4 Credits

Performance of John Deere harvesting equipment will be analyzed. Topics include: theory, design, principles of operation, proper set-up and adjustment of all harvesting equipment. Emphasis on combines, hay, and forage equipment. Student may not earn credit for both JD 230 and JDAS 230.

JD 235 John Deere Advanced Hydraulics II 4 Credits

Explores principles, function, and application of electric over hydraulic circuits as found on row crop, 4-WD, and combines. Construction, fluid flow, electrical flow, and testing of systems are explained, demonstrated, and practiced.

JD 240 John Deere Advanced Power Train II 4 Credits

Explores principles, function, and application of electronic controlled transmissions as found on row crop, 4-WD, and other agriculture equipment.

JD 290 Cooperative Work Experience III 1 - 16 Credits

Offers students an opportunity to receive on-the-job work experience in a John Deere Dealership. Students apply and utilize skills learned on campus. Prerequisite: JD 191. Student may not earn credit in both JD 290 and JDAS 290.

JD 297 Special Projects 1 - 16 Credits

Project-oriented experiences in the area or applications not covered in the standard John Deere curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

Library

LIB 110 Introduction to Information Resources 1 - 5 Credits

Introduction to the student to computer-based research and print resources. Resources used will include library information networks, online catalogs, and the Internet. Students learn strategies for locating, evaluating, and citing resources.

Literature

LIT 111 Arthurian Literature [H] 3 Credits

Survey of selected Arthurian legends found in literature, film, music and art from the middle ages to the modern period.

LIT 120 Baseball Literature and American Culture [H] 3 Credits

Examines the short stories, poetry, and novels that focus on our national pastime in order to determine how authors perceive the game as reflective of larger issues in American life and the human condition. Works studied include those by Lardner, Runyon, Kinsella, Stein, and Harris.

LIT 140 Introduction to Literature [H] 5 Credits

Introduction to literary study, highlighting effective reading and writing strategies including poetry, fiction, drama and non-fiction from around the world.

LIT 141 Introduction to Fiction [H] 5 Credits

Study of short fiction from the 19th century to the present, drawn from a variety of countries and cultures. Effective reading strategies are highlighted as is the relationship between fiction and reality.

LIT 142 Introduction to Poetry [H] 5 Credits

Emphasizes the interpretation and appreciation of poetry in its various forms. Concentration is on narrative and lyric forms and introduction to a wide variety of established poets.

LIT 144 Introduction to Classic Film [H] 5 Credits

Study of selected classic films with emphasis on the variety of film types, techniques, and developing technology.

LIT 149 Classic Children's Literature [H] 5 Credits

Explores and celebrates some of the best children's literature of all time: Lewis Carroll's *Alice in Wonderland*/Through the Looking Glass, A. A. Milne's *House at Pooh Corner*, C.S. Lewis' *Chronicles of Narnia*, and Madeline L'Engle's *A Wrinkle in Time*.

LIT 210 Myth and Folklore [H] 5 Credits

Study of the myths and folktales of the world and their effects on a relationship to literature and culture.

LIT 212 African-American Literature [H] 3 Credits

Provides an overview, analysis, and celebration of major African-American writers.

LIT 245 American Literature [H] 5 Credits

Explores influential American literary voices and styles from settlement times through the present.

LIT 250 Literature of American Immigration [H] 5 Credits

Examines the American immigrant experience through literature--fiction, poetry, personal memoir, and letters.

LIT 251 Voices of Women in Literature [H] 5 Credits

Survey of selected women writers across time and cultures with a focus on women as authors and characters. Time period covered ranges from the 18th to the 21st century. Student may not earn credit for both LIT 251 and WST 251.

LIT 256 Literature of the American West [H] 5 Credits

Examines the Western experience and mythology in Literature.

LIT 257 Literature of the Inland Northwest [H] 5 Credits

Examines the historical and contemporary literature of the Inland Northwest in fiction, poetry, personal memoir, and letters from various cultures.

LIT 260 Modern Hispanic and Latino Literature [H] 5 Credits

Study of works written by modern Hispanic writers from nations throughout the Americas. Fiction and poetry are studied in relation to historical and cultural backgrounds. Classroom discussions are held in English and works are read in English translations.

LIT 261 Native American Literature [H] 3 Credits

Study of traditions, cultures, myths, roles, and problems facing Native Americans today through essay, narrative, story, oratory, poetry, film, and song. Recommended: READ 098.

LIT 265 World Literature [H] 5 Credits

Introduction to some of the world's great literary traditions, both ancient and modern, featuring poetry, story, and drama.

LIT 270 Detective and Spy Novels [H] 3 Credits

Survey of selected thriller literature from 1840 to the present.

LIT 271 Science Fiction and Fantasy Literature [H] 5 Credits

Study of the development of the exciting fiction and fantasy genres and their emergence as significant literature. Short fiction will also be featured.

LIT 272 Medicine and Literature [H] 3 Credits

Exploration of both the literary and ethical import of a variety of topics related to the medical field. A variety of literary genres (poetry, fiction, non-fiction) and movies treat a wide range of topics.

LIT 277 The Bible as Literature [H] 3 Credits

Introductory study of the principle forms of literature represented in the Bible. The literary influence of the Bible writings also noted.

Mathematics

MATH 049 Mathematics I 5 Credits

Basic mathematical concepts with an emphasis on practical application and consumer-related word problems. Also deals with the fundamental operations of whole numbers, fractions, decimals, and percentages. Provides an introduction to measurement, graphs, exponents, integers, and informal geometry including perimeter, area, volume, and basic construction. Prerequisite: Appropriate placement score or instructor permission.

MATH 050 Mathematics II 5 Credits

Bridges the gap between arithmetic and algebra. Topics include: arithmetic review, informal geometry, measurement, signed numbers, linear equations and inequalities, polynomials, and graphing. Prerequisite: Appropriate placement score, grade of C- or higher in MATH 049 or instructor permission.

MATH 054 Special Topics in Math 1 - 5 Credits

Specific math needs are met for individual students. Student and instructor determine areas of emphasis.

MATH 065 Introductory Algebra 5 Credits

The first of a two-course series covering the basics of algebra (MATH 065, 095). Topics include: variables and their applications working with algebraic expressions, solving equations, and an introduction to graphing linear and quadratic functions. Prerequisite: Appropriate placement score or grade of C- or higher in MATH 050, or permission of Mathematics Department.

MATH 095 Intermediate Algebra 5 Credits

The second of a two-course series covering the basics of algebra (MATH 065/095). Topics include: working with algebraic expressions (polynomial, algebraic fractions, radicals, exponential, logarithmic), solving equations and inequalities (polynomial, rational, radical, exponential, logarithmic), solving systems of linear equations, an introduction to functions, and graphing functions/relations (linear, quadratic, simple conics, exponential, logarithmic). Prerequisite: Appropriate placement score or grade of C- or higher in MATH 065; or permission of the Mathematics Department.

MATH 107 Mathematics: A Practical Experience [NS, Q] 5 Credits

Demonstrates the use of a variety of mathematical topics in management science, social choice, measurement and geometry, and other miscellaneous areas. Quantitative skills necessary to understanding and taking a part in our technological society will be stressed. Prerequisite: Grade of C- or higher in MATH 095 or permission of the Mathematics Department.

MATH 109 Precalculus I [NS, Q] 5 Credits

The first in a series of two courses designed to provide an in-depth study of algebra to prepare students for advanced mathematics courses. Graphical analysis of concepts is emphasized through the use of graphing calculators. Topics include: working with algebraic expressions, solving equations algebraically and graphically, and a detailed analysis of the algebraic and graphical properties of various functions. Prerequisite: Grade of C- or higher in MATH 095 or permission of the Mathematics Department.

MATH 110 Precalculus II [NS, Q] 5 Credits

The second course of the precalculus sequence. Graphical analysis of concepts is emphasized through the use of graphing calculators. Topics include: right triangle trigonometry, algebraic and graphical analysis of trigonometric and inverse trigonometric functions, applications of trigonometric functions, vectors, systems of linear and nonlinear equations, (algebraic, matrix, and graphical solution techniques) parametric, and polar graphing. Prerequisite: Grade of C- or higher in MATH 109 or permission of the Mathematics Department.

MATH 115 Finite Mathematics [NS, Q] 5 Credits

Study of mathematical systems encountered in the work of behavioral, managerial, and social science students. Topics include: systems of linear equations and inequalities, matrices, linear programming, introductory probability, mathematics of finance, and elementary Markov chains. Prerequisite: Grade of C- or higher in MATH 095 or permission of the Mathematics Department.

MATH 121 Survey of Calculus [NS, Q] 5 Credits

Introduction to calculus as applied to business and economics as well as the behavioral, social, and life sciences. Topics include: functions, exponential and logarithmic function

derivatives and their applications, integrals and their applications. Prerequisite: Grade of C- or higher in MATH 095 or permission of the Mathematics Department.

MATH 124 Calculus With Analytic Geometry I [NS, Q] 5 Credits

The first in a sequence of four courses for students who are planning to major in engineering, mathematics, or the sciences. Graphical analysis of concepts is emphasized through the use of graphing calculators. Topics include: limits and continuity, derivatives and their applications, and an introduction to the definite integral (optional). Prerequisite: Grade of C- or higher in MATH 110 or permission of the Mathematics Department.

MATH 125 Calculus With Analytic Geometry II [NS, Q] 5 Credits

Continuance of MATH 124, topics include: introduction to the definite integral (optional), applications of the definite integral, differentiation and integration of logarithmic, exponential, trigonometric, and hyperbolic functions, and techniques and applications of integration. Prerequisite: Grade of C- or higher in MATH 124 or permission of the Mathematics Department.

MATH 126 Calculus With Analytic Geometry III [NS, Q] 5 Credits

Continuance of MATH 125, topics include: differential equations, infinite sequences and series, parametric curves, vectors, and surfaces. Prerequisite: Grade of C- or higher in MATH 125 or permission of Mathematics Department.

MATH 201 Introduction to Statistics [NS, Q] 5 Credits

Study of both descriptive and inferential statistics. Topics include: data presentation, and analysis, measures of central tendency and dispersion, sampling distributions, parameter estimation hypothesis testing, and linear regression. Prerequisite: Grade of C- or higher in MATH 095 or permission of the Mathematics Department.

MATH 205 Mathematics for Elementary School Teachers I [NS] 5 Credits

Designed for elementary school teachers focusing on methods of problem-solving, development and structure of number systems, and numerical algorithms applicable to elementary school mathematics. Prerequisite: Appropriate placement score or grade of C- or higher in MATH 095; or permission of Mathematics Department.

MATH 206 Mathematics for Elementary School Teachers II [NS, Q] 5 Credits

Designed for elementary school teachers focusing on topics in geometry, statistics, and measurement pertaining to mathematics taught at the elementary school level. This course satisfies the quantitative skills requirement for the AA degree, provided that MATH 205 has also been completed with a grade of C- or higher.

MATH 220 Linear Algebra [NS, Q] **5 Credits**
Designed for students planning studies in mathematics, engineering, computer science, and physics. Topics include: systems of linear equations, matrices, determinants, eigenvalues, eigenvectors, vector spaces, linear transformations, orthogonality, and diagonalization. Prerequisite: Grade C- or higher in MATH 126 or permission of the Mathematics Department.

MATH 224 Calculus and Analytical Geometry IV [NS, Q] **5 Credits**
Introduction to multi-variable calculus. Topics include: vector-valued functions, partial derivatives, directional derivatives, multiple integration, vector analysis, line and surface integrals, Green's and Stoke's theorems. Prerequisite: Grade C- or higher in MATH 126 or permission of the Mathematics Department.

MATH 238 Differential Equations [NS, Q] **5 Credits**
First-order and higher-order differential equations, systems of linear differential equations, LaPlace transforms, numerical methods, and qualitative analysis of ODE's will be discussed. Prerequisite: Grade C- or higher in MATH 126 or permission of the Mathematics Department.

Music

MUS 101 Music Appreciation [H] **3 Credits**
Historical survey of Western music that focuses on instrumental and vocal musical forms. It consists largely of directed listening to a broad range of musical ideas and guided hands-on musical activities. Covers the musical period from 1600 to the modern era, and includes live performances, demonstrations, discussions, video viewing, and course participation.

MUS 102 Music Fundamentals I **3 Credits**
Basic knowledge of musical notation and sight-reading. Emphasis on knowledge and understanding of clefs, keys, signatures and other notation, rhythm, timbre, and musical styles. Offers a basis for general appreciation or continued study in music theory.

MUS 103 Music Fundamentals II **3 Credits**
Intermediate course on musical notation and sight-reading, with emphasis on knowledge and understanding of major and minor keys, accidentals, basic chord structure and notation, and musical styles. Prerequisite: MUS 102 or instructor permission.

MUS 104 Music Fundamentals III **3 Credits**
Advanced knowledge of musical notation and sight-reading, with emphasis on knowledge and understanding of major and minor keys, accidentals, basic chord structure and notation, and musical styles. Prerequisite: MUS 103 or instructor permission.

MUS 106 Music Theory I [HP] **5 Credits**
Basic musical concepts and terminology through analysis, listening and keyboard practice; part writing, composition; ear training and sight singing.

MUS 107 Music Theory II [HP] **5 Credits**
Basic musical concepts and terminology through analysis, listening and keyboard practice; part writing, composition; ear training and sight singing. Prerequisite: MUS 106 or instructor permission.

MUS 108 Music Theory III [HP] **5 Credits**
Basic musical concepts and terminology through analysis, listening and keyboard practice; part writing, composition; ear training and sight singing. Prerequisite: MUS 107 or instructor permission.

MUS 110 History of American Music [H] **5 Credits**
An audiovisual tour of America's truly original music, jazz, from European and West African roots, to the blues of the Mississippi Delta and the birth of jazz in New Orleans, to the music of Louis Armstrong, Duke Ellington, John Coltrane, Wynton Marsalis and many others.

MUS 113 Choral Singing I **1 - 3 Credits**
Beginning instruction in the techniques of group vocal performance in preparation for the summer musical.

MUS 114 Choral Singing II **3 Credits**
Intermediate instruction in the techniques of group vocal performance in preparation for the summer musical.

MUS 115 Choral Singing III **3 Credits**
Advanced instruction in the technique of group vocal performance in preparation for the summer musical.

MUS 116 College Voice I [HP] **1 - 2 Credits**
Voice training for interested students who can benefit from the study of the fundamentals of singing.

MUS 117 College Voice II [HP] **1 - 2 Credits**
Voice training for interested students who can benefit from the study of the fundamentals of singing.

MUS 118 College Voice III [HP] **1 - 2 Credits**
Voice training for interested students who can benefit from the study of the fundamentals of singing.

MUS 121 Stage/Pep Band I **2 Credits**
Continue musical interest in a band setting. Student must demonstrate reasonable proficiency on a band instrument and ability to participate in a group situation to enroll.

MUS 122 Stage/Pep Band II **2 Credits**
Continue musical interest in a band setting. Student must demonstrate reasonable proficiency on a band instrument and ability to participate in a group situation to enroll.

MUS 123 Stage/Pep Band III 2 Credits

Continue musical interest in a band setting. Student must demonstrate reasonable proficiency on a band instrument and ability to participate in a group situation to enroll.

MUS 126 Jazz Combo I [HP] 1 - 3 Credits

Jazz combos give students an opportunity to play jazz in a small group format, concentrating on improvisation in many different styles. The combos perform regularly including concerts and professional engagements. Prerequisite: Instructor permission.

MUS 127 Jazz Combo II [HP] 1 - 3 Credits

Jazz combos give students an opportunity to play jazz in a small group format, concentrating on improvisation in many different styles. The combos perform regularly including concerts and professional engagements. Prerequisite: Instructor permission.

MUS 128 Jazz Combo III [HP] 1 - 3 Credits

Jazz combos give students an opportunity to play jazz in a small group format, concentrating on improvisation in many different styles. The combos perform regularly including concerts and professional engagements. Prerequisite: Instructor permission.

MUS 130 Piano Fundamentals/Blues 1 - 2 Credits

A hands-on approach to America's truly original music, the Blues. Basic piano techniques will be learned in a course piano setting with an emphasis on the improvisatory and universal language of the blues.

MUS 131 Applied Music I 1 - 2 Credits

Private music lessons with a college-approved instructor. Two college transfer credits are granted for a one-hour lesson per week, and one credit for a half-hour lesson per week. Appropriate practice hours per lesson required.

MUS 132 Applied Music II 1 - 2 Credits

Private music lessons with a college-approved instructor. Two college transfer credits are granted for a one-hour lesson per week, and one credit for a half-hour lesson per week. Appropriate practice hours per lesson required.

MUS 133 Applied Music III 1 - 2 Credits

Private music lessons with a college-approved instructor. Two college transfer credits are granted for a one-hour lesson per week, and one credit for a half-hour lesson per week. Appropriate practice hours per lesson required.

MUS 141 Walla Walla Symphony/Community Band or Walla Walla Symphony Chorale I 1 Credit

Instrumental or vocal participation in a symphonic organization with rehearsal every Monday evening. Four to five concerts are presented each academic year. Admission to the symphony is open to all who can perform with competency.

MUS 142 Walla Walla Symphony/Community Band or Walla Walla Symphony Chorale II 1 Credit

Instrumental or vocal participation in a symphonic organization with rehearsal every Monday evening. Four to five concerts are presented each academic year. Admission to the symphony is open to all who can perform with competency.

MUS 143 Walla Walla Symphony/Community Band or Walla Walla Symphony Chorale III 1 Credit

Instrumental or vocal participation in a symphonic organization with rehearsal every Monday evening. Four to five concerts are presented each academic year. Admission to the symphony is open to all who can perform with competency.

MUS 144 Theater Orchestra I 1 - 5 Credits

Introduction to the development of specialized instrumental musical skills required to perform in an orchestra accompanying musical theater performances.

MUS 145 Theater Orchestra II 1 - 5 Credits

Develops the specialized instrumental musical skills required to perform in an orchestra accompanying musical theater performances. Advanced instruction in performing with an orchestra providing accompaniment for a musical theater performance will be explored.

MUS 146 Theater Orchestra III 1 - 5 Credits

Develops the specialized instrumental musical skills required to perform in an orchestra accompanying musical theater performances. Provides advanced instruction in performing with an orchestra providing accompaniment for a musical theater performance.

MUS 161 Vocal Ensemble I [HP] 2 Credits

Choral participation providing vocal experience for all interested students who have a background in music and singing.

MUS 162 Vocal Ensemble II [HP] 2 Credits

Choral participation providing vocal experience for all interested students who have a background in music and singing.

MUS 163 Vocal Ensemble III [HP] 2 Credits

Choral participation providing vocal experience for all interested students who have a background in music and singing.

MUS 164 Spanish Chorus [HP] 2 Credits

Learn vocal music in Spanish in a variety of styles drawn from the canon of Latin American song from 1500 to the present. The group will present their repertoire in public performance on the campus and in the community.

MUS 206 Music Theory IV [HP] **5 Credits**
Basic musical concepts and terminology through analysis, listening and keyboard practice; part writing, composition; ear training and sight singing. Prerequisite: MUS 108 or instructor permission.

MUS 207 Music Theory V [HP] **5 Credits**
Basic musical concepts and terminology through analysis, listening and keyboard practice; part writing, composition; ear training and sight singing. Prerequisite: MUS 206 or instructor permission

MUS 208 Music Theory VI [HP] **5 Credits**
Basic musical concepts and terminology through analysis, listening and keyboard practice; part writing, composition; ear training and sight singing. Prerequisite: MUS 207 or instructor permission.

MUS 216 College Voice IV [HP] **1 - 2 Credits**
Voice training for interested students who can benefit from the study of the fundamentals of singing.

MUS 217 College Voice V [HP] **1 - 2 Credits**
Voice training for interested students who can benefit from the study of the fundamentals of singing.

MUS 218 College Voice VI [HP] **1 - 2 Credits**
Voice training for interested students who can benefit from the study of the fundamentals of singing.

MUS 221 Stage/Pep Band IV **2 Credits**
Continue musical interest in a band setting. Student must demonstrate reasonable proficiency on a band instrument and ability to participate in a group situation to enroll.

MUS 222 Stage/Pep Band V **2 Credits**
Continue musical interest in a band setting. Student must demonstrate reasonable proficiency on a band instrument and ability to participate in a group situation to enroll.

MUS 223 Stage/Pep Band VI **2 Credits**
Continue musical interest in a band setting. Student must demonstrate reasonable proficiency on a band instrument and ability to participate in a group situation to enroll.

MUS 226 Jazz Combo IV [HP] **1 - 3 Credits**
Jazz combos give students an opportunity to play jazz in a small group format, concentrating on improvisation in many different styles. The combos perform regularly including concerts and professional engagements. Prerequisite: Instructor permission.

MUS 227 Jazz Combo V [HP] **1 - 3 Credits**
Jazz combos provides an opportunity to play jazz in a small group format, concentrating on improvisation in many different styles. The combos perform regularly including concerts and professional engagements. Prerequisite: Instructor permission.

MUS 228 Jazz Combo VI [HP] **1 - 3 Credits**
Jazz combos provides an opportunity to play jazz in a small group format, concentrating on improvisation in many different styles. The combos perform regularly including concerts and professional engagements. Prerequisite: Instructor permission.

MUS 231 Applied Music IV **1 - 2 Credits**
Private music lessons with a college-approved instructor. Two college transfer credits are granted for a one-hour lesson per week, and one credit for a half-hour lesson per week. Appropriate practice hours per lesson required.

MUS 232 Applied Music V **1 - 2 Credits**
Private music lessons with a college-approved instructor. Two college transfer credits are granted for a one-hour lesson per week, and one credit for a half-hour lesson per week. Appropriate practice hours per lesson required.

MUS 233 Applied Music VI **1 - 2 Credits**
Private music lessons with a college-approved instructor. Two college transfer credits are granted for a one-hour lesson per week, and one credit for a half-hour lesson per week. Appropriate practice hours per lesson required.

MUS 241 Walla Walla Symphony/Community Band or Walla Walla Symphony Chorale IV **1 Credit**
Instrumental or vocal participation in a symphonic organization with rehearsal every Monday evening. Four to five concerts are presented each academic year. Admission to the symphony is open to all who can perform with competency.

MUS 242 Walla Walla Symphony/Community Band or Walla Walla Symphony Chorale V **1 Credit**
Instrumental or vocal participation in a symphonic organization with rehearsal every Monday evening. Four to five concerts are presented each academic year. Admission to the symphony is open to all who can perform with competency.

MUS 243 Walla Walla Symphony/Community Band or Walla Walla Symphony Chorale VI **1 Credit**
Instrumental or vocal participation in a symphonic organization with rehearsal every Monday evening. Four to five concerts are presented each academic year. Admission to the symphony is open to all who can perform with competency.

MUS 261 Vocal Ensemble IV [HP] **2 Credits**
Choral participation providing vocal experience for all interested students who have a background in music and singing.

MUS 262 Vocal Ensemble V [HP] **2 Credits**
Choral participation providing vocal experience for all interested students who have a background in music and singing.

MUS 263 Vocal Ensemble VI [HP] **2 Credits**
Choral participation providing vocal experience for all interested students who have a background in music and singing.

MUS 299 Special Projects **5 Credits**
Provides an opportunity for individual and small group vocal or instrumental preparation and performance.

Nursing

NURS 100 Fundamentals of Nursing **6 Credits**
Fundamental principles underlying nursing care are presented with the focus on providing care for middle-aged and older adults. The concepts of critical thinking, caring, and professional behavior are introduced. Prerequisite: Admission to Nursing program. Co-requisite: NURS 110.

NURS 101 Beginning Nursing Concepts I **6 Credits**
Continuation of the principles of nursing care introduced in NURS 100 with the focus on providing care for clients of all ages who are experiencing normal life processes or common disease processes in selected systems. Prerequisites: NURS 100 and 110. Co-requisite: NURS 111.

NURS 102 Beginning Nursing Concepts II **6 Credits**
Continuation of NURS 101 with the focus on providing care for clients of all ages who are experiencing normal life processes or disease processes in selected body systems. Prerequisites: NURS 101 and 111. Co-requisite: NURS 112.

NURS 103 Practical Nursing **5 Credits**
Preparation to complete the NCLEX-PN and enter practice as a PN. Prerequisites: NURS 102 and 112. Co-requisite: NURS 113.

NURS 104 LPN to ADN Transition **5 Credits**
Orientation of selected LPNs to programs philosophy and objectives and focus on validating nursing skills, including use of the nursing process. Prerequisites: Admission to second year of Nursing program. Co-requisite NURS 114.

NURS 110 Fundamentals Practicum **4 Credits**
Application of theory from NURS 100 that focuses on providing care for older adults in long-term care facilities. Prerequisite: Admission to the Nursing program. Co-requisite: NURS 100.

NURS 111 Practicum I **4 Credits**
Application of theory from NURS 101 that focuses on providing care for clients of all ages in acute care facilities. Prerequisite: NURS 100 and 110. Co-requisite: NURS 101.

NURS 112 Practicum II **4 Credits**
Application of theory from NURS 102 that focuses on providing care for clients of all ages in acute care facilities and in the community. Each student completes an experience in the obstetrical unit. Prerequisites: NURS 101 and 111. Co-requisite: NURS 102.

NURS 113 Practical Nursing Practicum **7 Credits**
Application of theory from NURS 103 that focuses on providing care for clients in acute care facilities and physician offices. An additional focus is on transition to the PN role. Prerequisites: NURS 102 and 112. Co-requisite: NURS 103.

NURS 114 Practicum: LPN to ADN Transition **7 Credits**
Focuses on enhancing skills for LPNs entering the second year of the nursing program. Care is provided in acute care facilities and physician's offices. Prerequisite: Admission to second year of the Nursing program. Co-requisite: NURS 104.

NURS 196 Professional Development I **1 Credit**
Part one of a three-quarter course on professional development, this course is taught fall quarter to beginning nursing students and introduces the student to the world of nursing. Prerequisite: Admission to the Nursing program.

NURS 197 Professional Development II **1 Credit**
Part two of a three-quarter course on professional development, this course introduces the student to the legal and ethical responsibilities of the Practical Nurse. Prerequisite: NURS 196.

NURS 200 Advanced Nursing Concepts I **7 Credits**
Continuation of nursing principles introduced in NURS 102 that focuses on providing care to clients with complex care needs related to disturbances in mental health or disease processes in selected body systems. Prerequisites: NURS 102, 112 or advanced placement. Co-requisite: NURS 210.

NURS 201 Advanced Nursing Concepts II **6 Credits**
Continuation of the nursing principles introduced in NURS 200 that focuses on providing care to clients with complex care needs related to obstetrical conditions or disease processes in selected body systems. Prerequisites: NURS 200, 210. Co-requisite: NURS 211.

NURS 202 Advanced Nursing Concepts III **7 Credits**
Focuses on providing care to clients with complex care needs in intensive care and emergency situations and on managing care for groups of clients. Prerequisites: NURS 201 and 211. Co-requisite: NURS 212.

NURS 210 Practicum III **6 Credits**
Application of theory from NURS 200 that focuses on providing care for clients in acute care and psychiatric settings and in the community. Prerequisites: NURS 102 and 112 or advanced placement. Co-requisite: NURS 200.

NURS 211 Practicum IV **6 Credits**
Application of theory from NURS 201 that focuses on providing care for clients in acute care, obstetrical, and community settings. Prerequisites: NURS 200 and 210. Co-requisite: NURS 201.

NURS 212 Practicum V

6 Credits

Application of theory from NURS 202 that focuses on providing care for groups of clients. Each student completes a preceptored experience as a transition to practice as a registered nurse. Prerequisites: NURS 201 and 211. Co-requisite: NURS 202.

NURS 232 Professional Development III

1 Credit

Part three of a three-part course on professional development, this course expands on the legal and ethical responsibilities in nursing and prepares the student for the responsibilities of the RN role. Prerequisite: NURS 197.

NURS 297 Special Projects

1 - 5 Credits

Project-oriented experiences in the area or applications not provided or covered in the standard nursing curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

Occupational Support

OCSUP 076 IBEST I

2 Credits

Introduction course for ESL Integrated Basic Skills Professional-Technical students. Student must be co-enrolled in ESL Integrated Basic Skills course and demonstrate proficiency in one of the following: Level IV in ESL, GED candidate or recent completer, or have Compass reading score below 51. Prerequisite: Permission of the Transitional Studies Department.

OCSUP 077 IBEST II

2 Credits

Intermediate course for ESL Integrated Basic Skills Professional-Technical students. Student must be co-enrolled in ESL Integrated Basic Skills course and demonstrate proficiency in one of the following: Level IV in ESL, GED candidate or recent completer, or have Compass reading score below 51. Prerequisite: Permission of the Transitional Studies Department.

OCSUP 078 IBEST III

2 Credits

Advanced course for ESL Integrated Basic Skills Professional-Technical students. Student must be co-enrolled in ESL Integrated Basic Skills course and demonstrate proficiency in one of the following: Level IV in ESL, GED candidate or recent completer, or have Compass reading score below 51. Prerequisite: Permission of the Transitional Studies Department.

OCSUP 101 Job Psychology: Workplace and Educational Success Skills

3 Credits

Explores how to develop effective workplace relationships and how self-knowledge, perception, attitudes, and behavior affect these relationships and job satisfaction. Students will also learn effective learning skills for workplace and educational success. These learning skills include memory, concentration, time management, textbook reading, and exam preparation. Human relations topics include: group dynamics, employee and management roles, and conflict resolution.

OCSUP 102 Oral Communication in the Workplace

3 Credits

Emphasizes the development of content and relationship for effective oral communication. Topics include: oral communication skills, interpersonal communication skills, effective listening, and intercultural communication.

OCSUP 103 Job Seeking Skills

3 Credits

Provides activities to develop each student into an effective, successful job applicant. Areas studied include: labor market analysis, skills identification, applications, resume and letter writing, and interview skills. Students learn what employers look for when hiring a perspective employee, how to make oneself a more competitive job seeker, and how networking and informational interviews result in employment opportunities. Recommended for second year professional-technical students.

OCSUP 106 Applied Mathematics I

5 Credits

Offers review and instruction in whole numbers, decimals, fractions, measurement ratios and proportions, percents, algebra, and geometry. Topics include: development and applications of signed numbers, measurement, metric system, formulas and equations, right triangle, trigonometry, graphical representation, and interpretations of data. Prerequisite: Appropriate placement score.

OCSUP 108 Applied Mathematics II

5 Credits

Provides review and instruction of the basic fundamental principles of geometry and trigonometry. Development and applications of measurement of angles, shapes and their properties, areas and volumes of triangles, polygons, cylinders, cones, circles, ellipses, irregular shapes, right triangle, trigonometric functions, and laws of sines and cosines. The emphasis is on combining academics and technical skills with real-life context for learning. Prerequisite: Appropriate placement score or grade of C- or higher in OCSUP 106.

OCSUP 299 Principles of Leadership

1 Credit

Encourage students to develop an awareness of their leadership potential and abilities through small group discussions and assumption of leadership roles and responsibilities. Students will acquire information, experience diverse points of view, construct knowledge and practice a variety of interpersonal and social skills, such as communicating, goal-setting, decision-making, team building, and managing stress.

Oceanography

OCE 101 Introduction to Oceanography [NS] 5 Credits

Involves the fundamental principles of ocean science; the geography and geology of ocean basin; chemistry of sea water; physical dynamics of currents, waves, and tides; coastal processes; and the biology of diverse ecosystems such as deep sea vents, coral reefs, and estuaries. Lab work required. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

Office Technology

OT 024 Keyboarding 3 Credits

Introduction to the keyboard for beginning keyboard users or for students wishing to review the keyboard by touch.

OT 025 Keyboard Speed-Building 1 - 5 Credits

Provides opportunity to increase keyboarding speed and accuracy. Students must be able to key by touch. Course includes assessment and/or correction of technique plus the use of software programs designed to work on individual accuracy and speed weaknesses. Ability to key by touch required to enroll.

OT 115 Specialized Transcription I 5 Credits

Fundamental course in transcribing business documents from audio tapes or CD's using word processing software. Instruction on developing listening skills by applying correct grammar, punctuation, and format to business documents. Designed specifically for executive, legal, or medical majors. Recommended: BA 136 and OT 120.

OT 116 Specialized Transcription II 5 Credits

Advanced course in transcribing medical documents from audio tapes or CD's using word processing software. Students develop skills by learning and applying correct number format, capitalization, punctuation, and abbreviations in the medical documents. Prerequisite: OT 115. Recommended: BA 136 and OT 120.

OT 120 Document Editing 5 Credits

Fundamental course in proofreading and editing skills. Develops skills in proofreading to detect errors in capitalization, content, format, grammar, number usage, punctuation, spelling, word division, and word usage in business documents. Recommended: BA 136 and OT 120.

OT 122 Records Management 5 Credits

Introduction to the rules and procedures common to the organization and maintenance of manual alphabetic, numeric, subject, and geographic filing systems. Filing equipment and business documents are used to provide intensive instruction in filing practices. Students are introduced to the basic operation and maintenance of a computer database.

OT 125 Introduction to Word Processing 5 Credits

Introduction to word processing taught in conjunction with formatting theory for business documents. Continued development of keyboarding speed and accuracy is provided. Ability to key by touch required to enroll.

OT 126 Intermediate Word Processing 5 Credits

Introduces and develops advanced formatting and word processing functions for the creation of business documents. Continued development of keyboarding speed and accuracy as well as proofreading and editing skills is provided. Prerequisite: OT 125.

OT 127 Word Processing Applications 5 Credits

Uses word processing applications and office suite software to build and reinforce document processing skills and the integration of realistic business practices. Realistic workplace challenges integrating business vocabulary, critical thinking, strategies, and Web research skills are provided. Related learning and success tips for working effectively are included to improve workplace efficiency and professional development. Prerequisite: OT 126 or instructor permission.

OT 128 Voice Processing and MOUS Certification 5 Credits

Addresses current trends for high performance office professionals. Word processing through voice input rather than keyboard is learned using voice recognition software. Skill assessment software and course activities prepare students for the Microsoft Office Specialist (MOS) Certification exam taken on-line through Microsoft Corporation at the completion of the quarter. Prerequisite: OT 126. Recommended: OT 127 and BA 217.

OT 161 Practical Accounting 5 Credits

Studies accounting principles and applies bookkeeping procedures that can be applied to a variety of business operations. Emphasis placed on the analysis, journalization and posting of transactions typical of a small office. Students also formulate and interpret financial statements; record adjusting, closing, and reversing entries; reconcile bank statements; manage petty cash; account for bad debt; and perform payroll calculations and entries.

OT 199 Special Topics 1 - 5 Credits

Study and train to meet established local needs in the office technology industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

OT 200 Office Simulation 5 Credits

Bridges the gap between the classroom and business environment by offering practices and procedures typically used in the real world of work. Study and practice of office procedures using current technological tools will be emphasized. Prerequisite: Instructor permission. Recommended: BA 136 and OT 120.

OT 218 Desktop Calculator 5 Credits

Develops job competency on desktop calculators using the ten-key touch method and special features of machine to solve common business problems with speed, accuracy, and efficiency.

OT 219 Office Machines 5 Credits

Develops job competency on the desktop calculator using the ten-key touch method and special features of the machine to solve common business problems with speed, accuracy, and efficiency. In addition, students gain 10-hours of experience operating high-end copiers, postage meter, fax machine, and multi-line switchboard.

OT 222 Records Management II 5 Credits

Identifies the principles and practices of effective information management for both manual indexing and automated records systems. Emphasis on advanced features and capabilities of automated database information management systems and the need to understand record life cycle from creation to disposition within the structure of any given organization. This course also addresses the development of security control systems for information management. Prerequisite: OT 122.

OT 228 Legal Document Processing I 5 Credits

Includes legal typing experience typical of any law office. Provides a legal procedures background as well as legal terminology. Emphasizes understanding the legal processes, developing expertise in legal typing, and understanding legal office procedures. Introduces approximately 800 terms which are utilized within the legal office to help students correctly spell, pronounce, and define. Students continue improving speed and accuracy rates as well as completing speed and accuracy diagnostic drills. Students utilize a word processing system to complete documents.

OT 229 Legal Document Processing II 5 Credits

Continuance of OT 228, which includes legal vocabulary from the Legal Studies: Terminology and Transcription textbook. Students complete jobs typical of a legal environment. Students complete the Legal Office Procedures packet, where they gain insight into the various tasks of a legal administrative assistant. Students continue improving speed and accuracy rates as well as completing speed and accuracy diagnostic drills. Students utilize word processing systems to complete documents, conclusively.

OT 231 Medical Office Procedures 5 Credits

Explores the flow of information in a medical office. MediSoft, Office Hours, and MS Word software programs are utilized to process information and produce typical medical office documents, financial records and insurance claims.

OT 232 Medical Insurance Procedures 5 Credits

Understanding of the medical insurance programs in today's healthcare system. Students will apply knowledge learned to abstract information from medical records and complete

universal claim forms that meet billing requirements of private, state and federal insurance programs. In addition, diagnosis coding from the ICD, communication with insurance companies, tracking reimbursements, and collection methods are covered. Recommended: OT 234.

OT 234 Medical Coding 5 Credits

Fundamental course in assigning medical procedural (CPT) and HCPCS codes for use in insurance billing and medical record keeping. Designed for medical coders, medical assistants, billing specialists and health information professionals. Prerequisite: OT 280. Recommended: READ 098.

OT 280 Medical Terminology 5 Credits

Learn medical terminology for the medical field. Students study terminology of all the body's systems in addition to suffixes and prefixes.

OT 297 Special Projects 1 - 5 Credits

Project-oriented experiences in the area or applications not covered in the standard office technology curriculum. Prerequisite: Instructor permission, based on evaluation of students' education and work experience.

Philosophy

PHIL 101 Introduction to Philosophy I [H] 5 Credits

Survey study of the history of western philosophy. Recommended: READ 098 and ENG 100.

PHIL 103 Asian Philosophy [H] 5 Credits

The central ideas, metaphors, and images of Hinduism, Buddhism, and Taoism. Short written explorations of primary source material, course discussion, and three essay exams are assigned.

PHIL 120 Critical Thinking [H] 5 Credits

Study of the attitudes, skills, and theories involved with critical thinking, including formal and informal logic.

PHIL 131 Introduction to Ethics [H] 5 Credits

Discussion and study of the original writings of classic moral philosophers. Examination of the moral theories of Plato, Aristotle, Epicurus, Epictetus, Mill, Kant, and Nietzsche will be analyzed.

PHIL 200 Honors Seminar 3 Credits

Seminar in current philosophical issues. Prerequisite: Enrolled in the Honors Program or instructor permission.

PHIL 220 Symbolic Logic [H, Q] 5 Credits

Introduction to systematic techniques for assessing the validity of arguments: translations, truth tables, propositional calculus, rules of inference, transformation rules, indirect proofs, and abbreviated truth tables. Prerequisite: MATH 095.

Physical Education and Recreation

HPER 105 Jogging [PE] 1 Credit

Sports activity course emphasizing methods, benefits, and techniques of jogging to encourage fitness, pleasure, and safety.

HPER 106 Karate [PE] 1 Credit

Sports activity course emphasizing the skills and mental discipline of karate.

HPER 107 Tone Zone Fitness I [PE] 1 Credit

Provides students with an assessment of their physical fitness, and individualized exercise prescription, and an understanding of fitness and health concepts.

HPER 108 Tone Zone II [PE] 1 Credit

Provides students with an assessment of their physical fitness, an individualized exercise prescription, and an understanding of fitness and health concepts.

HPER 109 Tone Zone III [PE] 1 Credit

Provides students with an assessment of their physical fitness, an individualized exercise prescription, and an understanding of fitness and health concepts.

HPER 110 Speed Training I [PE] 1 Credit

Sports activities course emphasizing speed and agility.

HPER 110S Scuba Diving [PE] 1 Credit

Instruction and practice in the basic equipment, techniques, safety, and applications of scuba diving.

HPER 113 Recreational Games [PE] 1 Credit

Sports activity course emphasizing games for various age and skill groups.

HPER 114 Soccer [PE] 1 Credit

Sports activities course emphasizing the skills, rules, strategies, and methods of play in soccer.

HPER 115 Softball [PE] 1 Credit

Sports activity course emphasizing rules, skills, and strategies of softball.

HPER 116 Beginning Tennis [PE] 1 Credit

Sports activity course emphasizing rules, skills, and strategies of tennis.

HPER 117 Intermediate Tennis [PE] 1 Credit

Sports activity course emphasizing skills, rules, and strategies of competitive tennis will be covered.

HPER 118 Skiing/Snowboarding I [PE] 1 Credit

Sports activities course at Bluewood Recreation Area, emphasizing safety, equipment, skills, and practice related to snow skiing and snow boarding. Students must attend orientation.

HPER 119 Beginning Volleyball [PE] 1 Credit

Emphasizes the rules, skills, and strategies of volleyball.

HPER 120 Beginning Golf [PE] 1 Credit

Provides instruction in the basics of golf in order develop correct technique from the first swing onward.

HPER 121 Intermediate Golf [PE] 1 Credit

Skills, rules, and strategies of competitive golf will be covered.

HPER 122 Weight Training I [PE] 1 Credit

Sports activities course emphasizing the safety, techniques, benefits, methods, and practice of weight training.

HPER 123 Weight Training II [PE] 1 Credit

Sports activities course emphasizing the safety, techniques, benefits, methods, and practice of weight training.

HPER 124 Weight Training III [PE] 1 Credit

Sports activities course involving conditioning with various weight devices and involving development of personal goals and conditioning program.

HPER 125 Bowling [PE] 1 Credit

Sports activities course emphasizing the safety, rules, skills, and strategies of bowling.

HPER 126 Ice Skating I [PE] 1 Credit

Sports activity course emphasizing the skills, techniques and safety components associated with ice skating.

HPER 127 Ice Skating II [PE] 1 Credit

Sports activity course emphasizing the skills, techniques and safety components associated with ice skating.

HPER 131 Skiing/Snowboarding II [PE] 1 Credit

Sports activities course, skiing at Bluewood Recreation Area; students must attend orientation; dates for orientation and skiing to be published in the quarterly schedule.

HPER 134 Karate II [PE] 1 Credit

Sports activities course emphasizing the philosophy, safety, rules, skills, techniques, and strategies of competitive karate.

HPER 136 Basketball [PE] 1 Credit

Sports activities course emphasizing the safety, rules, skills, and strategies of basketball.

HPER 141 All-Terrain Volleyball [PE] 1 Credit

Sports activities course emphasizing the safety, rules, techniques, skills, and strategies of volleyball as played on various terrains.

HPER 144 Walking [PE] 1 Credit

Students to learn the proper way to walk to enhance physical fitness and to develop a lifelong skill.

HPER 145 Racquetball I [PE] 1 Credit
Sports activities course emphasizing racquetball fundamentals, strategies, and appropriate conditioning.

HPER 146 Racquetball II [PE] 1 Credit
Sports activity course emphasizing the safety, rules, skills, strategies, and techniques of playing racquetball competitively.

HPER 149 Flag Football [PE] 1 Credit
Sports activities course emphasizing the safety, rules, skills, and strategies of flag football.

HPER 154 Speed Training II [PE] 1 Credit
Sports activities course emphasizing speed and agility.

HPER 155 Speed Training III [PE] 1 Credit
Sports activities course emphasizing speed and agility.

HPER 160 Basic Rodeo Skills and Rules [PE] 2 Credits
Sports activity course emphasizing skills, rules and strategies of college rodeo.

HPER 161 Intermediate Rodeo Skills and Rules [PE] 2 Credits
Sports activity course emphasizing skills, rules and strategies of college rodeo.

HPER 162 Advanced Rodeo Skills and Rules [PE] 2 Credits
Sports activity course emphasizing skills, rules and strategies of college rodeo.

HPER 163 Advanced Volleyball [PE] 1 Credit
Sports activities course emphasizing the rules and the advanced skills, methods, techniques, and strategies of volleyball.

HPER 164 Tae Kwon Do I [PE] 1 Credit
Students will learn all of the blocks, kicks, strikes, and forms to move beyond the World Taekwondo Federation white belt level. Self-defense and physical conditioning are also major components of the course. All ability levels are accommodated. Offered for beginners with no Taekwondo experience and students with yellow belts.

HPER 165 Tae Kwon Do II [PE] 1 Credit
Students with World Taekwondo Federation yellow-stripe belts and above.

HPER 166 Beginning Yoga I [PE] 1 Credit
Introduction to the philosophy and practice of the ancient art of Yoga. Learn the basic physical components of Yoga practice as well as the essential written principles of Yoga.

HPER 167 Beginning Yoga II [PE] 1 Credit
Continues the exploration of the philosophy and practice of the ancient art of Yoga. Students will continue to learn the physical components of Yoga practice as well as the essential written principles of Yoga.

HPER 171 Basketball Skills and Rules [PE] 2 Credits
Sports activity course emphasizing skills, rules and strategies of basketball.

HPER 172 Baseball/Softball Skills and Rules [PE] 2 Credits
Sports activity course emphasizing skills, rules and strategies of baseball.

HPER 174 Volleyball Skills and Rules [PE] 2 Credits
Sports activity course emphasizing skills, rules and strategies of volleyball.

HPER 176 Golf Skills and Rules [PE] 2 Credits
Sports activity course emphasizing skills, rules and strategies of golf.

HPER 177 Soccer Skills and Rules [PE] 2 Credits
Sports activity course emphasizing the rules, skills, techniques, methods, and strategies of competitive soccer.

HPER 181 Basketball Methods and Materials [PE] 2 Credits
Methods and materials course emphasizing knowledge and ability to apply various methods of play, as well as knowledge of developments and uses for pertinent equipment and materials.

HPER 182 Baseball/Softball Methods [PE] 2 Credits
Methods and materials course emphasizing knowledge and ability to apply various methods of play, as well as knowledge of developments and uses for pertinent equipment and materials.

HPER 184 Volleyball Methods and Materials [PE] 2 Credits
Methods and materials course emphasizing knowledge and ability to apply various methods of play as well as developments and uses for pertinent equipment and materials.

HPER 186 Golf Method and Materials [PE] 2 Credits
Methods and materials course emphasizing knowledge and ability to apply various methods of play as well as developments and uses for pertinent equipment and materials.

HPER 187 Soccer Methods and Materials [PE] 2 Credits
Overview of several different methods of play and the latest developments in pertinent equipment and materials.

HPER 188 Basic Fitness I [PE] 1 Credit
This fitness course includes three components: workout program, research paper and quizzes, and projects and online discussions. Topics include: developing a personalized workout program, nutrition, exercise principles, and general health. Co-requisite: HPER 189 or 190.

HPER 189 Basic Fitness II [PE] 1 Credit
This fitness course includes three components: workout program, research paper and quizzes, and projects and online discussions. Topics include: developing a personalized workout program, nutrition, exercise principles, and general health. Co-requisite: HPER 188 or 190.

HPER 190 Intermediate Fitness [PE] 1 - 2 Credits

This fitness course includes three components: workout program, research paper and quizzes, and projects and online discussions. Topics include: developing a personalized workout program, nutrition, exercise principles, and general health. Co-requisite: HPER 188 or 189.

HPER 267 Outdoor Recreation 5 Credits

History, development, principles and trends of organized camping, nature and conservation, and outdoor recreation. Includes several field trips throughout the quarter.

HPER 273 Principles of Conditioning 3 Credits

Students will learn how to develop lifelong training and conditioning programs for themselves. They will learn how the body responds to various training methods and how to apply this to the cardiovascular and muscular systems.

HPER 275 Prevention and Care of Athletic Injury 4 Credits

Investigates the proper methods of training and preparation for athletic and recreational activities. Skills in wrapping and taping, as well as treatment of minor injuries, will be developed. Instruction includes both lecture and lab as well as practical experience in the athletic training area.

HPER 282 Athletic Training Lab 1 Credit

Students spend two hours each week getting hands-on experience working in the WWCC Athletic Training Room. Students will be under the direct supervision of the Head Athletic Trainer. Prerequisite: Co-enrollment or successful completion of HPER 275.

Physics

PHYS 110 Conceptual Physics [NS] 5 Credits

Survey course in physics for the non-science or undecided major. Emphasis on conceptual understanding rather than computation. Topics include: motion, forces, the concept of work and energy, physical states of matter, principles of thermodynamics, basic electricity and magnetism, and atomic and nuclear structure. Lab work required. Prerequisites: MATH 065; Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098.

PHYS 121 College Physics I [NS] 5 Credits

This is part one of an algebra-based physics sequence intended for non-physical science majors. Topics include: linear and rotational motion, forces, kinetic and potential energy, momentum, and translational and rotational equilibrium. Lab work required. Prerequisites: MATH 095; appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098; basic knowledge of trigonometry.

PHYS 122 College Physics II [NS] 5 Credits

This is part two of an algebra-based physics sequence intended for non-physical science majors. Topics include: mechanical properties of matter, behavior of fluids, harmonic motion and waves, basic thermodynamics, and an introduction to electricity. Lab work required. Prerequisite: PHYS 121.

PHYS 123 College Physics III [NS] 5 Credits

This is part three of an algebra-based physics sequence intended for non-physical science majors. Topics include: electricity and magnetism, optics, and selected topics in modern physics (relativity, structure of the atom, quantum theory, etc.). Lab work required. Prerequisite: PHYS 122.

PHYS 201 Physics for Science and Engineering I [NS] 5 Credits

This is part one of a calculus-based physics sequence intended for physical science and engineering majors. Topics include: linear and rotational motion, forces, kinetic and potential energy, momentum, and translational and rotational equilibrium. Lab work required. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division Chair or designee. Recommended: READ 098. Co-requisite: MATH 124.

PHYS 202 Physics for Science and Engineering II [NS] 5 Credits

This is part two of a calculus-based physics sequence intended for physical science and engineering majors. Topics include: mechanical properties of matter, behavior of fluids, harmonic motion and waves, basic thermodynamics, and an introduction to electricity. Lab work required. Prerequisite: PHYS 201. Co-requisite: MATH 125.

PHYS 203 Physics for Science and Engineering III [NS] 5 Credits

This is part three of a calculus-based physics sequence intended for physical science and engineering majors. Topics include: electricity and magnetism, with selected topics from optics and modern physics as time allows. Lab work required. Prerequisite: PHYS 202. Co-requisite: MATH 126.

Political Science

PSCI 101 American National Government [SS] 5 Credits

Study of the processes and institutions of national politics in America, with special attention to relations between popular political interests and federal government operations. Course provides an understanding to how our national government works in response to legitimate political needs. Lecture, discussion and videos with supplementary readings in current political events. Recommended: READ 098.

PSCI 120 The American Presidency [SS] 5 Credits

Historical and analytical examination of the office of the Presidency. Focuses on the evolutionary changes in the power of the office and the consequences for leadership in America. Recommended: READ 098. Student may not earn credit for both PSCI 120 and HIST 120.

PSCI 125 Student Leadership I 1 - 2 Credits

Offered to student body officers actively participating in student government.

PSCI 126 Student Leadership II 1 - 2 Credits

Offered to student body officers actively participating in student government.

PSCI 127 Student Leadership III 1 - 2 Credits

Offered to student body officers actively participating in student government.

PSCI 211 U.S. in World Affairs I [SS] 5 Credits

Examination of American involvement in international affairs. Study includes this country's foreign policy actions as a world power, with attention to both the policy makers and critics of our nations position on significant international issues from the colonial period to the Great War. Recommended: READ 098. Student may not earn credit for both PSCI 211 and HIST 211.

PSCI 212 U.S. in World Affairs II [SS] 5 Credits

Examination of American involvement in international affairs since 1898. Study includes America's foreign policy actions as a world power with attention to both the policymakers and critics of our nation's position on significant international issues since 1898. Recommended: READ 098. Student may not earn credit for both PSCI 212 and HIST 212.

PSCI 222 Agricultural Policy [SS] 5 Credits

Goals, methods, and results of government programs and policies in agriculture. Topics include: areas of international trade, domestic farm policy, food safety and quality, resource issues and the effect on agri-business. Recommended: One quarter economics and READ 098. Student may not earn credit for both PSCI 222 and AGRI 222.

Precision Machining Technology

PMT 109 Introduction to Precision Machining 4 Credits

Introduction to shop theory, skills, and safety. Students use vernier micrometers and vernier calipers, sharpen a drill by hand, and sharpen lathe tool bits used to make a screw jack on the lathe.

PMT 161 Precision Machining Basics I 1 - 18 Credits

Theory and application to the use of precision measuring tools and bench work.

PMT 162 Precision Machining Basics II 1 - 18 Credits

Explores lathe theory and application, and introduction to milling machines. Prerequisite: PMT 161 or instructor permission.

PMT 163 Precision Machining Basics III 1 - 18 Credits

Provides theory, operations, and safety of precision lathes, milling machines, and grinders. Topics include: calculations of the dividing head, assortment of trigonometry problems,

and beginning introduction to Computer Numerical Control (CNC). Prerequisite: PMT 162 or instructor permission.

PMT 191 Cooperative Work Experience 1 - 18 Credits

Opportunity to work in jobs directly related to the precision machining industry. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission.

PMT 192 Cooperative Seminar 1 credit

Explore issues related to cooperative work experience focusing on effective workplace relationships. Co-requisite: PMT 191.

PMT 199 Special Topics 1 - 10 Credits

Study and train to meet established local needs in the precision machining industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

PMT 294 Precision Machining Advanced I 1 - 18 Credits

Provides advanced practice of previous machining techniques. Includes theory, application, and safety of precision grinders (cylindrical, surface and tool and cutter grinder) and abrasives. Beginning introduction to Computer Numerical Control (CNC) programming. Prerequisite: PMT 163 or instructor permission.

PMT 295 Precision Machining Advanced II 1 - 18 Credits

Provides advanced theory and safety on manual machining equipment and CNC programming. Topics include: helical milling and dividing head operations, G-codes, circular interpolation, cutter compensation, and cutting tool speeds and feeds. Introductions to Computer Assisted Programming and Computer Assisted Machining (CAD/CAM) using Mastercam software. Prerequisite: PMT 294 or instructor permission.

PMT 296 Precision Machining Advanced III 1 - 18 Credits

Provides CNC theory, programming, and safety including canned cycles; multiple tools; cutter offsets; linear, circular, and helical interpolation; and thread cutting cycles (CNC Machining Center and CNC Turning Center). Students use computer software to design/draw, write, store, and save computer-generated programs on the computer and transfer programs to CNC control via disk or other electronic means. Prerequisite: PMT 295 or instructor permission.

PMT 297 Special Projects 1 - 18 Credits

Project-oriented experiences in the area or applications not covered in the standard precision machining curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

PMT 299 Leadership 1 Credit

Encourage students to develop awareness of their leadership potential and abilities through small group discussions and assumption of leadership roles and responsibilities. Students

will acquire information, experience diverse points of view, construct knowledge and practice a variety of interpersonal and social skills, such as communicating, goal-setting, decision-making, team-building, and managing stress.

Professional Golf Management

PGM 101 Golf Management I 5 Credits

Introduction to the golf industry, offering an overview of industry practices, trends and traditions. It also serves as an introduction to fundamental golf shop policies and procedures. Topics include: taking tee times and booking lessons, enforcing golf course rules, and controlling pace of play. Prerequisite: Instructor permission.

PGM 102 Golf Management II 5 Credits

Intermediate golf shop operations and tournament administration will be discussed. Topics include: tournament and league promotion, handicapping and member services, resolving problems with play and developing contingency plans. Golf course design principles are explored and golf course rating formulas introduced. Prerequisite: Instructor permission.

PGM 111 Introductory Golf Instruction 3 Credits

The fundamentals of golf instruction will be discussed. Topics include the beginning golfer and developing the golf swing. Key instructional terminology is defined, ball flight laws examined and golf swing principles introduced. Basic lesson tee procedures are also covered. Prerequisite: Instructor permission.

PGM 112 Intermediate Golf Instruction 3 Credits

The fundamentals of the golf swing and short game techniques of chipping, pitching, putting and bunker play will be covered. Needs of intermediate golfers are addressed. Working with junior golfers and other golfing populations is introduced. Topics include drills and practice routines. Prerequisite: Instructor permission.

PGM 121 Rules of Golf I 3 Credits

Provides an extensive examination of the Rules of Golf. Topics include: use of the Rules book, etiquette and safety, definitions, conforming equipment and player responsibilities. Exact interpretations of Rules questions are detailed in the Decisions book. A brief history of the Rules and changes since prior revision period are also discussed. Prerequisite: Instructor permission.

PGM 131 Golf Car Fleet Management 3 Credits

A study of golf car fleet management is covered. Topics include: planning, selection and acquisition of golf cars, fleet storage and organization, safety and liability issues, and rental policies. Also includes basic golf car maintenance, record keeping, and appreciation for the fleet as a financial investment. Prerequisite: Instructor permission.

PGM 191 Cooperative Work Experience 1 - 18 Credits

Opportunity to work at golf facilities while concurrently enrolled in related golf management courses. Satisfactory completion of a comprehensive workbook is required. Wages for students are commensurate with entry-level employees in the industry. Successful progress in the Professional Golf Management program is expected. Prerequisite: Instructor permission.

PGM 192 Cooperative Seminar 2 Credits

Explores the professional relations between employers, fellow staff, vendors, customers, members and prospective players. The interpersonal skills prized in the workplace are stressed and employment opportunities mapped. Co-requisite: PGM 191.

PGM 199 Special Topics 1 - 5 Credits

Study and train to meet established local needs in the professional golf management industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

PGM 201 Golf Management III 5 Credits

Golf shop practices are further examined and golf facility operations expanded. Merchandising techniques, practice ranges, special events and developing tournaments are included. Professional shop services and amenities are addressed. Customer service principles and work ethics are emphasized. Prerequisite: Instructor permission.

PGM 202 Golf Management IV 5 Credits

Advanced instruction in general management, food and beverage concerns, budgeting for private, public and daily fee golf courses. Employment networking techniques are applied. Annual, seasonal, monthly, and weekly calendars and scheduling introduced. Leadership roles and teambuilding exercises are engaged. Prerequisite: Instructor permission.

PGM 211 Corrective Golf Lessons 3 Credits

Intermediate golfers with swing habits that are counterproductive to effective ball striking are covered. Corrective measures are explored; drills, training aids and practice plans prescribed. The lesson book and promoting lesson programs, as well as characteristics of successful teachers are studied. Prerequisite: Instructor permission.

PGM 212 Teaching the Advanced Player 2 Credits

Focuses entirely on advanced players of the game. Elements of success used by peak performers and routines employed by leading golf coaches and instructors are examined in depth. Mental toughness, emotional resilience, course management and short game expertise are highlighted. Fitness, strength, flexibility, and nutrition will be addressed. Focal points are the rigors of tournament golf. Prerequisite: Instructor permission.

PGM 221 Rules of Golf II

2 Credits

Advanced rules cover golf course set up, defining and marking a golf course, duties of rules officials and referees, serving on tournament committees and administering an officiating staff. Prerequisite: PGM 121.

PGM 291 Cooperative Work Experience II

1 - 18 Credits

Opportunity to work at golf facilities while concurrently enrolled in related golf management courses. The satisfactory completion of a comprehensive workbook is required. Wages for students are commensurate with entry-level employees in the industry. Successful progress in the Professional Golf Management program is expected. Prerequisite: Instructor permission.

PGM 292 Cooperative Seminar II

2 Credits

Further explores the professional relations between employers, fellow staff, vendors, customers, members and prospective players. The interpersonal skills prized in the workplace are stressed and employment opportunities mapped. Co-requisite: PGM 291.

PGM 297 Special Projects

1 - 18 Credits

Project-oriented experiences in the area or applications not covered in the standard professional golf management curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

PGM 299 Leadership

1 Credit

Relevant information on how to establish a productive team and lead a team effectively will be discussed. The student will learn to handle problems with teams as they arise and evaluate a team's productivity. In this course students will also explore how to create a vision, align key allies, use communication skills to help lead, motivate others to keep going, and harness the power of creative conflict. Prerequisite: Instructor permission.

Psychology

PSY 095 Skills for Success I

1 - 3 Credits

Assists students in achieving self-fulfillment and harmonious interpersonal relationships by developing the skills necessary for functioning successfully as group members. Includes techniques for critical thinking, decision-making procedures, goal setting, communication, group problem solving, teamwork, leadership, multicultural and diversity awareness, and career/life planning.

PSY 100 Effective Learning Strategies

1 - 5 Credits

Provides an overview of learning and motivation theories and methods that promote student efficiency in the classroom. Topics and techniques include: memory and learning, note taking, exam preparation and test anxiety, time management, goals clarification, learning style, concentration, and textbook reading. Upon completion, students will possess a clear understanding of the strategies

required to meet their academic goals. Recommended: Enrollment in at least one course, preferably a lecture course, at the 100 level or above.

PSY 101 Introduction to Psychology [SS]

5 Credits

Introduction to the factors which influence human behavior and thinking, as well as the complexities of mind and body relationship. The outcome of this study should be a clearer understanding of individual behavior. Critical thinking skills and practical applications are emphasized. Recommended: READ 098.

PSY 103 Developmental Psychology [SS]

5 Credits

In-depth study of human development focusing on the physical, cognitive and psychosocial domains of each of the stages of the life span from birth to death. Recommended: READ 098.

PSY 111 Effective Interpersonal Relationships [SS]

3 Credits

Personal discovery of the factors that influence interactions including friendships, romantic relationships, work interactions, and family interactions. Skills in personal communication, active listening, feedback, self-disclosure, empathy, assertiveness, and conflict management are developed.

PSY 113 Human Sexuality [SS]

5 Credits

Study of sexual facts, attitudes, morals, and behavior. Includes conception, contraception, sexually transmitted diseases, abortion, physiological and psychological aspects of sexual response, varieties of sexual behavior, exploration of sexual abuse and victimization, legal issues in sexuality, sexual ethics, and society's influence on sexuality and sex roles. Course for adults--lectures and films may contain explicit language, sciences, nudity, and material. Prerequisite: ENG 101. Recommended: READ 098. Student may not earn credit for both PSY 113 and WST 113. High school students need written permission from parents to enroll in course.

PSY 139 Psychology of Women [SS]

5 Credits

Historical and cultural development of growing up female. Social and psychological perspectives of female identity, traditional and nontraditional roles, values, sexuality, dependency, and the changing perception of femininity and masculinity will be examined. Student may not earn credit for both PSY 139 and WST 139.

PSY 140 Career and Life Planning

3 Credits

A systematic approach to planning students' individual career paths based upon their skills, interests, and values as they pertain to work and education. Students will identify appropriate occupations within their career field of choice, learn to research the demands, rewards and employment practices in those occupations and develop plans for achieving their career goals. Resumes and portfolios are produced as part of preparing to conduct an effective job search. Recommended: ENG 089.

PSY 196 Psychology of Human Performance 3 Credits
In-depth study of the relationship between the mind and body. Course includes application of psychological theories, research, and intervention strategies to performance enhancements in a variety of settings. Topics include: stress and emotional control, attention and concentration, mental rehearsal, memory enhancement, the effects of motivation and personality on performance and effective group communications.

PSY 205 Social Psychology [SS] 5 Credits
Study of the influence of the behavior of others on individual behavior. Topics include: conformity, obedience, aggression, prejudice, persuasion, interpersonal attraction, self-justification, and group processes. Recommended: READ 098.

PSY 250 Abnormal Psychology [SS] 5 Credits
Study of origins and characteristics of maladaptive behavior with emphasis on scientific research on the causes and treatment approaches to psychopathology. Topics include: anxiety disorders, schizophrenia, substance abuse disorders, dissociative disorders, and problems of cognitive function and childhood disorders. Prerequisite: PSY 101.

PSY 297 Special Problems 1 - 5 Credits
Provides an opportunity to design and implement a research project of interest in psychology under the supervision of an instructor. Prerequisite: Instructor permission.

Reading

READ 070 Speed Reading 1 Credit
Computerized program to help students improve their reading speed and comprehension. Students learn to train their eyes to see larger groups of words at a glance, keep their eyes moving efficiently as they read, and broaden their field of peripheral vision.

READ 072 Special Topics in Reading I 1 - 5 Credits
Special reading needs are addressed for individual students; the student and instructor determine the area of emphasis. Prerequisite: Instructor permission.

READ 073 Special Topics in Reading II 1 - 5 Credits
Special reading needs are addressed for individual students; the student and instructor determine the area of emphasis. Prerequisite: Instructor permission.

READ 074 Special Topics in Reading III 1 - 5 Credits
Special reading needs are addressed for individual students; the student and instructor determine the area of emphasis. Prerequisite: Instructor permission.

READ 078 Basic Reading Skills 5 Credits
Provides the ability to analyze, synthesize, and paraphrase material from text. Prerequisite: Appropriate placement score and writing sample.

READ 082 Special Topics in Reading IV 1 - 5 Credits
Special reading needs are addressed for individual students; the student and instructor determine the area of emphasis. Prerequisite: Instructor permission.

READ 083 Special Topics in Reading V 1 - 5 Credits
Special reading needs are addressed for individual students; the student and instructor determine the area of emphasis. Prerequisite: Instructor permission.

READ 084 Special Topics in Reading VI 1 - 5 Credits
Special reading needs are addressed for individual students; the student and instructor determine the area of emphasis. Prerequisite: Instructor permission.

READ 088 Reading Improvement 5 Credits
Designed to teach informational processing strategies to help students understand and remember information more effectively. Prerequisite: Appropriate placement score.

READ 098 College Reading Skills 5 Credits
Designed to build self-confidence in the college reader who wants to improve speed and comprehension. This course is taught by lecture, group discussion, and practical experience. Prerequisite: Appropriate placement score or successful completion of READ 088.

Science

SCI 095 Gateways to Science 5 Credits
Introduction to biology and chemistry with an emphasis on thinking skills and learning strategies to prepare students to succeed in college-level science courses. Lab work required. Prerequisite: Appropriate placement score, grade of C- or higher in MATH 050, or concurrent enrollment in MATH 065; READ 088; or permission of the Science Department.

Sociology

SOC 101 Introduction to Sociology [SS] 5 Credits
Introduces the basic principles of social relationships, collective behavior, and human interaction. These principles are applied to the study of culture; race, gender, and class inequality; deviance; law; social institutions; and social change.

SOC 107 Human Services Field Experience I 1 - 3 Credits
Provides a supervised experience in a social agency, school, health care facility, youth group, etc. in the local community. This course is part of WWCC's Human Services program. Prerequisite or Co-requisite: SOC 101 or PSY 101. Requires 30 hours per credit.

SOC 108 Human Services Field Experience II 1 - 3 Credits
Provides a supervised experience in a social agency, school, health care facility, youth group, etc. in the local community.

This course is part of WWCC's Human Services program. Prerequisite or Co-requisite: SOC 101 or PSY 101. Requires 30 hours per credit.

SOC 109 Human Services Field Experience III 1 - 3 Credits

Provides a supervised experience in a social agency, school, health care facility, youth group, etc. in the local community. This course is part of WWCC's Human Services program. Prerequisite or Co-requisite: SOC 101 or PSY 101. Requires 30 hours per credit.

SOC 110 Human Services Field Experience IV 1 - 3 Credits

Provides a supervised experience in a social agency, school, health care facility, youth group, etc. in the local community. This course is part of WWCC's Human Services program. Prerequisite or Co-requisite: SOC 101 or PSY 101. Requires 30 hours per credit.

SOC 201 Introduction to Social Problems [SS] 5 Credits

Examines a variety of global social problems (conditions or phenomena that adversely affect significant segments of the population) using sociological approaches to understand their complex dynamics. Interprets the effects of rapid globalization, with particular emphasis on impact on the United States. From a global perspective, this course examines war, over population, environmental degradation, poverty and wealth, unequal health care, race and gender inequality, and crime. In addition to examining problems, students explore possible solutions.

SOC 204 Drugs and Society [SS] 5 Credits

Introduction to the many and varied drugs, and their related sociocultural history of use and abuse. The physiological and psychological study of symptoms and disease concepts. A review of chemical dependency and the nature of social control as expressed through treatment, rehabilitation, education, family structure, community, and other social responses. Recommended: READ 098.

SOC 205 Racial and Ethnic Relations [SS] 5 Credits

Focuses on intergroup race and ethnic relations with a social-historical emphasis. Students explore how race and ethnic identities are developed; theoretical perspectives on assimilation and pluralism; prejudice and discrimination; the creation of subordinate groups; and historical and contemporary issues. Problems and possible solutions of majority-minority relations are examined.

SOC 208 Sociology of Intimate and Family Relations [SS] 5 Credits

Provides a sociological understanding of the processes involved in family relations, household life and structures, and family problems. Emphasizes historical formations, social influences, and the diversity of families in the United States. Explores myths about family forms and features; the role of gender; divisions of labor within household; historical shifts; family privacy and government interventions; stereotypes; and the effect of social, economic, and political forces on the family. Also addresses

the broader issues in the sociology of intimate relations beyond conventional marriages and families.

SOC 220 Gender and Society [SS] 5 Credits

Gender is a central feature of social life. Enhances students' recognition of the pervasiveness and complexities of a sex and gender "system," predominately focusing on our own society. Gender is explored on three levels to include: as a system of social relationships in which gender interacts with, and influences, institutional structures; as what people "do" in social interactions; and as an attribute by individuals for self identification. Student may not earn credit for both SOC 220 and WST 220.

Spanish

SPAN 101 Spanish I [H] 5 Credits

Introductory course for students wishing to learn Spanish as a second language. Provides a foundation for practical interpersonal communications. Topics include: pronunciation, basic grammar, reading, writing, and an introduction to Hispanic culture.

SPAN 102 Spanish II [H] 5 Credits

Introductory course for students wishing to learn Spanish as a second language. Provides a foundation for practical interpersonal communications. Topics include: pronunciation, basic grammar, reading, writing, and an introduction to Hispanic culture. Prerequisite: SPAN 101 or instructor permission.

SPAN 103 Spanish III [H] 5 Credits

Introductory course for students wishing to learn Spanish as a second language. Provides a foundation for practical interpersonal communications. Topics include: pronunciation, basic grammar, reading, writing, and an introduction to Hispanic culture. To be taken in sequence or with written consent of the instructor. Prerequisite: SPAN 102 or instructor permission.

SPAN 201 Spanish IV [H] 5 Credits

Intermediate course provides practice in speaking, listening, reading, and writing. Students study grammar, vocabulary, and the use of idiomatic expressions. Prerequisite: SPAN 103 or instructor permission.

SPAN 202 Spanish V [H] 5 Credits

Intermediate course provides practice in speaking, listening, reading, and writing. Students study grammar, vocabulary, and the use of idiomatic expressions. Prerequisite: SPAN 201 or instructor permission.

SPAN 203 Spanish VI [H] 5 Credits

Intermediate course provides practice in speaking, listening, reading, and writing. Students study grammar, vocabulary, and the use of idiomatic expressions. Prerequisite: SPAN 202 or instructor permission.

SPAN 297 Field Studies**1 - 12 Credits**

Flexible field studies for students wishing to expand their knowledge of Spanish through travel and study abroad. Students must consult with instructor before enrolling.

SPAN 298 Independent Studies**1 - 12 Credits**

Students expand their knowledge of Spanish through a wide variety of possible directed studies topics. Students must consult with the instructor before enrolling.

Speech

SPCH 101 Fundamentals of Speech [C]**5 Credits**

Developing competency in planning, preparing, presenting, and evaluating basic speech with emphasis on critical and orderly thinking; using appropriate language, support and motivational appeals; handling speech anxiety; and assessing audiences.

SPCH 102 Oral Communications and Interpersonal Relationships [C]**3 Credits**

Practice in preparing and giving reports, dealing with group dynamics and problems, learning interview techniques, working on telephone presence, perfecting convincing and listening skills.

SPCH 105 Oral Interpretation [C]**3 Credits**

Study and practice of oral skills essential to interpreting the intellectual and emotional meaning of literature to an audience. Students will learn the skills of reading aloud and interpreting the written word including poetry, prose, and drama.

Theatre Arts

THEA 101 Theatre Appreciation [H]**5 Credits**

Introduction of the study of theatre. Students will watch film and live performances of theatrical productions, read representative dramatic literature, and learn the history, theory, and practice of the theatrical arts - playwrights, acting, design and directing. By reading, viewing, and discussing, students will enhance their appreciation of the nature and place of theatre in contemporary culture.

THEA 117 Technical Drama I**1 - 5 Credits**

The current play production is used as a lab course with practical application covering fundamentals of scene construction, costuming, scene painting, sound and lighting operation.

THEA 118 Technical Drama II**1 - 5 Credits**

The current play production is used as a lab course with practical application covering fundamentals of scene construction, costuming, scene painting, sound and lighting operation.

THEA 119 Technical Drama III**1 - 5 Credits**

The current play production is used as a lab course with practical application covering fundamentals of scene construction, costuming, scene painting, sound and lighting operation.

THEA 151 Beginning Acting I [HP]**3 Credits**

Introduction to acting techniques and beginning characterization through improvisation. Student required to furnish personal rehearsal clothes.

THEA 152 Beginning Acting II [HP]**3 Credits**

Introduction to script analysis, scene study, and audition/monologue preparation. Students will further explore acting technique. Instruction in physical and vocal technique and a unit in theatrical makeup application are included. Work in improvisation continues. The student will complete the course with a public performance of a monologue and scene at the end of the quarter.

THEA 153 Beginning Acting III [HP]**3 Credits**

For advanced beginners. Continuing scene study and monologue work. Students will be challenged with more difficult material and will further explore acting technique with an emphasis on physical and vocal technique. The student will complete the course with a public performance of a monologue and scene at the end of the quarter.

THEA 154 Acting-Summer Musical I**1 - 5 Credits**

Designed to train students in the dramatic techniques appropriate to large stage, outdoor musical productions.

THEA 155 Acting-Summer Musical II**1 - 5 Credits**

Designed to train students in the dramatic techniques appropriate to large stage, outdoor musical productions.

THEA 156 Acting-Summer Musical III**1 - 5 Credits**

Designed to train students in the dramatic techniques appropriate to large stage, outdoor musical productions.

THEA 188 Children's Theatre**1 - 5 Credits**

Designed for students aged nine years and older, to provide them an opportunity to rehearse and perform a full-length play for the public.

THEA 190 Play Production I**1 - 5 Credits**

Applied study in acting, stage lighting and costume construction using current productions as lab situations.

THEA 191 Play Production II**1 - 5 Credits**

Applied study in acting, stage lighting and costume construction using current productions as lab situations.

THEA 192 Play Production III**1 - 5 Credits**

Applied study in acting, stage lighting and costume construction using current productions as lab situations.

THEA 195 Touring Theater I 3 Credits

A play for children will be cast, rehearsed, and performed in the schools of the four-county area. This show will also be presented in the WWCC theater several times. Rehearsals typically begin during fall quarter; performances occur during the middle part of winter quarter.

THEA 196 Touring Theater II 3 Credits

A play for children will be cast, rehearsed, and performed in the schools of the four-county area. This show will also be presented in the WWCC theater several times. Rehearsals typically begin during fall quarter; performances occur during the middle part of winter quarter.

THEA 197 Touring Theater III 3 Credits

A play for children will be cast, rehearsed, and performed in the schools of the four-county area. This show will also be presented in the WWCC theater several times. Rehearsals typically begin during fall quarter; performances occur during the middle part of winter quarter.

THEA 215 Set Design 1 - 5 Credits

Learn rudiments of set design using current production as lab situation. Prerequisite: Instructor permission.

THEA 217 Technical Drama IV 1 - 5 Credits

The current play production is used as a lab course with practical application covering fundamentals of scene construction, costuming, scene painting, and sound and lighting operation.

THEA 218 Technical Drama V 1 - 5 Credits

The current play production is used as a lab course with practical application covering fundamentals of scene construction, costuming, scene painting, and sound and lighting operation.

THEA 219 Technical Drama VI 1 - 5 Credits

The current play production is used as a lab course with practical application covering fundamentals of scene construction, costuming, scene painting, and sound and lighting operation.

THEA 220 Costumes for the Stage-Introduction 1 - 5 Credits

Basic skills used in costuming theatrical productions: sewing, serging, simple construction. Student may also serve on costume crew for a production. Prerequisite: Instructor permission.

THEA 221 Costumes for the Stage-Construction 1 - 5 Credits

Intermediate costume construction focusing on patterns, drafting, fitting, alterations of costumes for a specific production, and complex or special construction techniques.

THEA 222 Costumes for the Stage-Management 1 - 5 Credits

Practical course in managing costumes with emphasis on production jobs. Student will serve on the costume crew for a major theatrical production.

THEA 223 Elements of Costume Design 1 - 5 Credits

Theatrical and practical aspects of designing costumes for theatrical productions.

THEA 225 Representative Plays [H] 5 Credits

A study of plays representative of historical periods from the ancient Greeks to modern times as an introduction to the literature and arts of the theater.

THEA 226 Asian Plays [H] 5 Credits

A survey of Asian theatre including Japanese: Kabuki Nah, Kyogen and Bunraku; Chinese opera, Taiwanese folk legends and puppetry; Korean dance drama; Indonesian puppets, Wayang Kolet, Wayang Galek and Thai dance drama.

THEA 251 Intermediate Acting I [HP] 3 Credits

This is the first quarter of second year acting for the serious drama student. A more creative response will be required in individual sessions and in mandatory plays. Prerequisite: DRAM 153 or instructor permission.

THEA 252 Intermediate Acting II [HP] 3 Credits

Designed for the more advanced drama student. A series of audition pieces suitable for use in auditioning for the professional theater will be prepared. These will cover at least four different types of pieces; that is, comic, serious, musical, classical, etc. At the end of the quarter the student will present two contrasting pieces as a program. Prerequisite: THEA 251 or instructor permission.

THEA 253 Intermediate Acting III [HP] 3 Credits

In the third quarter of the second year of acting courses, the students will apply the techniques they have learned. Comprehensive analysis of character roles will be presented in scene work. Prerequisite: THEA 252 or instructor permission.

THEA 270 Stage Management 3 Credits

The manager guides the cast through the rehearsal and production of the current play.

THEA 271 Beginning Directing [HP] 3 Credits

The beginning and intermediate directing students will direct students in acting in assigned scenes. The student will also assist the instructor in directing assigned scenes in the current production.

THEA 272 Intermediate Directing [HP] 3 Credits

The beginning and intermediate directing students will direct students in acting in assigned scenes. The student will also assist the instructor in directing assigned scenes in the current production.

THEA 273 Advanced Directing [HP] 3 Credits

The advanced directing student will direct, with supervision, a play to be presented to the public.

THEA 275 Special Projects in Costuming-Construction 1 - 5 Credits

Advanced costume construction for major theater production. Students may be responsible for a group of costumes or supervise a construction crew.

THEA 276 Special Projects in Costuming-Design 1 - 5 Credits

Students will design costumes for a small production or a group of costumes for a large play. Students will supervise construction of their designs. This course is intended as the culmination of costume courses at WWCC.

THEA 290 Play Production IV [HP] 1 - 5 Credits

Second year of applied study in acting, stage lighting, scenery and costume construction using current productions as lab situations.

THEA 291 Play Production V [HP] 1 - 5 Credits

Second year of applied study in acting, stage lighting, scenery and costume construction using current productions as lab situations.

THEA 292 Play Production VI [HP] 1 - 5 Credits

Second year of applied study in acting, stage lighting, scenery and costume construction using current productions as lab situations.

THEA 295 Touring Theater IV [HP] 3 Credits

A play for children will be cast, rehearsed, and performed in the schools of the four-county area. This show will also be presented in the WWCC theater several times. Rehearsals typically begin during fall quarter; performances occur during the middle part of winter quarter.

THEA 296 Touring Theater V [HP] 3 Credits

A play for children will be cast, rehearsed, and performed in the schools of the four-county area. This show will also be presented in the WWCC theater several times. Rehearsals typically begin during fall quarter; performances occur during the middle part of winter quarter.

THEA 297 Touring Theater VI [HP] 3 Credits

A play for children will be cast, rehearsed, and performed in the schools of the four-county area. This show will also be presented in the WWCC theater several times. Rehearsals typically begin during fall quarter; performances occur during the middle part of winter quarter.

THEA 299 Special Topics 1 - 5 Credits

For students interested in working on projects in design, acting, directing, stage management, playwriting, etc. Prerequisite: Instructor permission.

Transitional Studies

TRAN 090 IMPACT/Transition 1 - 8 Credits

This pre-employment training course addresses the personal and professional development needs of displaced homemakers by building workplace basic skills in listening, oral communications, problem-solving, creative thinking, self-esteem, goal setting/motivation, personal and career development, interpersonal skills, teamwork, negotiation, organizational effectiveness and leadership. Students focus on career goals as a basis for learning effective job search skills. Additionally, community resource professionals address the financial, health, legal, and emotional needs of students to lessen barriers to achieving self-sufficiency.

TRAN 095 Career and Life Planning 3 Credits

This course assists students in developing educational plans and selecting/investigating vocational areas of interest. Emphasizes helping students with developing an individual plan of action, accessing financial assistance, completion of financial assistance forms, development of the "Transition Plan for Success," and preliminary selection of a vocational-technical area of interest.

Turf Equipment Service Technician

TST 120 Shop Management 3 Credits

Focuses on setting up and maintaining effective shop record systems, tools, parts, equipment ordering, and overall shop maintenance and layout.

TST 125 Paints and Painting 3 Credits

Focuses on equipment, materials, techniques, and practices required for painting and conditioning turf equipment.

TST 151 Shop Fundamentals 3 Credits

Explores introducing, perfecting, and evaluating basic safety and shop skills necessary for the successful turf equipment manager. Instruction and shop performance exercises in safety; hand and machine tool operation, use, and maintenance; hardware identification; and other basic shop skills.

TST 155 Basic Engine Principles 1 - 17 Credits

Principles of mechanics pertaining to outdoor power equipment will be covered. Topics include: routine maintenance procedures, two- and four-cycle gasoline engine repair, and diagnostics.

TST 156 Electrical Principles 1 - 17 Credits

Provides basic electrical systems with emphasis on fundamentals, component repair and diagnostics, troubleshooting, and electro-hydraulic theory. Rotary mowing systems repair and adjustment will also be covered.

TST 157 Hydraulics and Powertrains 1 - 17 Credits

Explores basic hydraulic and power train fundamentals, component repair, and diagnostics. Topics include: troubleshooting, including hydrostats, transaxles, clutches, brakes, and drive axles. Prerequisite: TST 156 or instructor permission.

TST 191 Cooperative Work Experience 1 - 12 Credits

Opportunity to work in jobs directly related to the turf equipment industry. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission.

TST 192 Cooperative Seminar 1 Credit

Explore issues related to their cooperative work experience focusing on effective workplace relationships. Co-requisite: TST 191.

TST 199 Special Topics 1 - 5 Credits

Study and train to meet established local needs in the turf equipment industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

TST 252 Turf Equipment Fundamentals 3 Credits

Gas and diesel engines, electrical, power trains, and hydraulics to perform simple tune-up and repairs will be covered.

TST 255 Advanced Diesel and Electrical 1 - 17 Credits

In-depth study on the theory, operation, and service procedures necessary to maintain modern compact diesels used in compact tractor and turf equipment. Topics include: electro-hydraulics, computer controls, and in-depth trouble shooting as it pertains to compact and commercial equipment. Prerequisite: TST 157.

TST 256 Advanced Hydraulics and Reels 1 - 17 Credits

In-depth study of advanced hydraulic systems, servo controls, and hydraulic clutch packs emphasizing hands on testing and diagnosing. Topics include: reel products, grinding techniques, and rebuilding procedures. Prerequisite: TST 255.

TST 297 Special Projects 1 - 18 Credits

Project-oriented experiences in the area or applications not covered in the standard turf equipment curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

TST 299 Leadership 1 Credit

Students develop an awareness of their leadership potential and abilities through small group discussions and assumption of leadership roles and responsibilities. Students will acquire information, experience diverse points of view, construct knowledge and practice a variety of interpersonal and social skills, such as communicating, goal-setting, decision-making, team-building, and managing stress.

Turf Management

TURF 101 Turf Equipment Operations I 3 Credits

The use, operation, and maintenance of turf equipment, including mower units, top dressers, soil aerators, trimmers, and miscellaneous turf equipment are covered. Also provides a practical understanding of costing of equipment. Safety is emphasized.

TURF 102 Turf Equipment Operations II 3 Credits

Continuance of TURF 101, Turf Equipment Operations I. Topics include: work experience placement, equipment parts, tractors, replacement schedules, purchasing and leasing equipment, sprayers, and sprayer calibration.

TURF 122 Turf Maintenance Practices 3 Credits

Introduction to the methods used in maintenance of sports fields, parks, school grounds, and golf courses. Prepares students for cooperative work experience and for entry into the turf industry.

TURF 191 Cooperative Work Experience 1 - 25 Credits

Opportunity to work in jobs directly related to the turf management industry. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission.

TURF 192 Cooperative Seminar 2 Credits

Explore issues related to their cooperative work experience focusing on effective workplace relationships. Co-requisite: TURF 191.

TURF 199 Special Topics 1 - 10 Credits

Study and train to meet established local needs in the turf management industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

TURF 201 Turf Physiology 6 Credits

Introduction to turf grass science. Topics include: turf grass physiology, plant physiology, turf grass identification, turf grass uses, cultivars, selection of grasses, turf fertilization and fertilizer selection, water needs of the grass plant and irrigation, future trends, and waste disposal methods.

TURF 211 Turf Management 5 Credits

Focuses on the fundamentals of turf management, operation, and performance in areas of budgeting, supervision, and communication skills. Topics include: assessment of field conditions, weather monitoring, and specialty turf management techniques.

TURF 215 Turf Diseases and Insects 3 Credits

Introduction to identification, study of life cycles, and control of insects and diseases common to turf. Concentrates on fundamentals of entomology and plant pathology as well as specific problems and their controls on turf.

TURF 221 Landscape Maintenance and Construction 5 Credits
Maintenance and construction of landscapes that include turf, flowers, shrubs, trees, fencing, and hard surfaces.

TURF 231 Pesticides Licensing 3 Credits
Preparation for the State of Washington pesticide licensing exam.

TURF 291 Cooperative Work Experience II 1 - 25 Credits
Opportunity to work in jobs directly related to the turf management industry. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission.

TURF 292 Cooperative Seminar II 2 Credits
Explore issues related to their cooperative work experience focusing on effective workplace relationships. Co-requisite: TURF 291.

TURF 297 Special Projects 1 - 18 Credits
Project-oriented experiences in the area or applications not covered in the standard turf management curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

TURF 299 Leadership 1 Credit
Encourage students to develop awareness of their leadership potential and abilities through small group discussions and assumption of leadership roles and responsibilities. Students will acquire information, experience diverse points of view, construct knowledge and practice a variety of interpersonal and social skills, such as communicating, goal-setting, decision-making, team-building, and managing stress.

Water Management

WMGT 100 Orientation to Irrigation 3 Credits
Introduction to the fields of agriculture, turf, and landscape irrigation. Sprinkler and micro/drip irrigation systems, tools, equipment, and water issues will be covered.

WMGT 110 Lawn and Turf Irrigation 3 Credits
Study of the design and installation of lawn and turf irrigation systems. Site evaluation, valve and sprinkler selection, system design, controllers, and installation procedures will be covered.

WMGT 112 Irrigation Principles 5 Credits
Overview of the elements of irrigation and its industry. Topics include: irrigation methods, efficiencies, equipment, and their relationships to soils and plants.

WMGT 141 Irrigation Troubleshooting 7 Credits
Train individuals to troubleshoot irrigation system problems with an emphasis on center pivots and analysis of mechanical, electrical, and hydraulic systems.

WMGT 142 Center Pivot Troubleshooting 4 Credits
Train individuals to troubleshoot irrigation system problems with an emphasis on center pivots and analysis of mechanical, electrical, and hydraulic systems.

WMGT 143 Turf and Landscape Troubleshooting 3 Credits
Focus on troubleshooting irrigation systems, with an emphasis on turf and landscape areas. Mechanical, electrical and hydraulic systems will be analyzed.

WMGT 172 Irrigation Blueprints 4 Credits
Introduction to computer aided drafting and irrigation nomenclature, symbols, schematics, and blueprints. Development of design skills and interpretation of drawings.

WMGT 191 Cooperative Work Experience 1 - 25 Credits
Opportunity to work in jobs directly related to the water management industry. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission.

WMGT 192 Cooperative Seminar 2 Credits
Students explore issues related to their cooperative work experience focusing on effective workplace relationships. Co-requisite: WMGT 191.

WMGT 199 Special Topics 1 - 10 Credits
Study and train to meet established local needs in the water management industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

WMGT 220 Drip Irrigation 3 Credits
Introduction to drip irrigation concepts, methods, and components. Basic drip system maintenance, troubleshooting, and design are performed.

WMGT 221 Pump Applications 3 Credits
Pump classes and types, selection, and application will be analyzed. Topics include: pump curves, system curves, suction characteristics, piping systems, and pump panel electrical wiring.

WMGT 225 Irrigation Design 6 Credits
Development of total hydraulic, electrical, and mechanical irrigation design of agriculture and turf systems are analyzed. Pumps, piping, valves, and sprinkler types are selected and made into complete designs.

WMGT 230 Water and Energy Conservation 3 Credits
Analysis of the techniques used in the irrigation industry to reduce water and/or energy consumption. Water application methods and low-pressure systems are targeted.

WMGT 241 Advanced Irrigation Systems 5 Credits
Implementation of previously learned irrigation skills. Practice in troubleshooting techniques, equipment installation, operation and maintenance, and management skills.

WMGT 291 Cooperative Work Experience II 1 - 25 Credits
Offers students an opportunity to work in jobs directly related to the water management industry. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission.

WMGT 292 Cooperative Seminar II 2 Credits
Explore issues related to their cooperative work experience focusing on effective workplace relationships. Co-requisite: WMGT 291.

WMGT 297 Special Projects 1 - 18 Credits
Project-oriented experiences in the area or applications not covered in the standard water management curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

WMGT 299 Leadership 1 Credit
Encourage students to develop awareness of their leadership potential and abilities through small group discussions and assumption of leadership roles and responsibilities. Students will acquire information, experience diverse points of view, construct knowledge and practice a variety of interpersonal and social skills, such as communicating, goal-setting, decision-making, team-building, and managing stress.

Welding Technology

WELD 141 Welding Basics 4 Credits
Opportunity to select customized welding process instruction for application training, industry practices, hobby uses, or skill development to meet employer/employment requirements.

WELD 145 Basic Welding I 7 Credits
Introduction to welding, cutting, and grinding procedures used for general welding applications. Topics include: fuel gas welding, brazing, cutting, shielded metal arc welding, gas metal arc welding, plasma arc cutting, carbon arc gouging, and abrasive grinding.

WELD 146 Basic Welding II 7 Credits
Provides the experienced welder additional training on student selected welding processes. Prerequisite: WELD 145.

WELD 147 Basic Welding III 7 Credits
Provides the experienced welder additional training on student selected welding processes. Prerequisite: WELD 146.

WELD 151 Shielded Metal Arc Welding I 1 - 17 Credits
Entry-level student training in safe practices of fuel gas cutting/welding and shielded metal arc welding. Topics include: equipment operation, industry practices, arc welding fundamentals, material preparation methods, basic electricity, metals and electrodes, shop work ethics, and layout procedures. Prerequisite: Instructor permission.

WELD 152 Shielded Metal Arc Welding II 1 - 17 Credits
Introductory training in safe and proper SMAW arc welding procedures and techniques will be covered, including arc welding equipment setup, E-6010 electrode practice, shop work practice, demonstrations, and classroom presentations. Prerequisite: WELD 151 or instructor permission.

WELD 153 Shielded Metal Arc Welding III 1 - 17 Credits
Additional experience and training in safe arc welding procedures and the opportunity to take AWS/WABO certification tests. Prerequisite: WELD 152 or instructor permission.

WELD 191 Cooperative Work Experience 1 - 15 Credits
Opportunity to work in jobs directly related to the welding industry. This formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission.

WELD 192 Cooperative Seminar 1 Credit
Explore issues related to cooperative work experience focusing on effective workplace relationships. Co-requisite: WELD 191.

WELD 196 Welding Skills Development I 1 - 17 Credits
Provide variable lab times and credits to meet individual requirements. A contract is developed with instructor to meet the students' needs. Grades and credits are assigned according to contract specifications and student accomplishments. Prerequisite: Instructor permission.

WELD 199 Special Projects 5 Credits
Provides an opportunity to gain experience and improve welding skills through practical application efforts on instructor approved custom projects. Instructor assistance in skill development and/or welding knowledge is provided, and a contract is required to establish goals and timelines for satisfactory completion. Prerequisite: Instructor permission.

WELD 254 Shielded Metal Arc - Pipe 1 - 17 Credits
Provides industry practices involving pipe welding and welder certification. Topics include: welding procedures, specifications, preparation of test samples, testing, and acceptance standards. Prerequisite: WELD 153 or instructor permission.

WELD 255 Gas Tungsten Arc Welding 1 - 17 Credits
Explores Gas Tungsten Arc Welding (GTAW) processes on ferrous and nonferrous materials. Topics include: safe and proper GTAW equipment setup requirements, process variables, material requirements, and welding procedures.

WELD 256 Gas Metal Arc Welding 1 - 17 Credits
Provides Gas Metal Arc Welding (GMAW) and Flex Cored Arc Welding (FCAW) experience on ferrous and nonferrous alloys. Topics include: welding equipment setup and safety procedures, welding practices and procedures for various applications, and equipment maintenance procedures.

WELD 265 Gas Tungsten Arc Welding 14 Credits

Gas Tungsten Arc Welding (GTAW) process on ferrous and nonferrous materials are covered. Topics include: safe and proper GTAW equipment setup requirements, process variables, material requirements, and welding procedures.

WELD 266 Gas Metal Arc Welding 14 Credits

Explores Gas Metal Arc Welding (GMAW) experience on ferrous and nonferrous alloys. Topics include: welding equipment setup and safety procedures, welding practices and procedures for various applications, and equipment maintenance procedures.

WELD 296 Welding Skills Development II 1 - 17 Credits

Continuance of WELD 196, designed to provide students variable lab time and credits to meet individual requirements. A contract is developed with instructor to meet the students' needs. Grades and credits are assigned according to contract specifications and student accomplishments. Prerequisite: Instructor permission.

WELD 297 Special Projects 1 - 17 Credits

Project-oriented experiences in the area or applications not covered in the standard welding curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

WELD 299 Leadership 1 Credit

Encourage students to develop awareness of their leadership potential and abilities through small group discussions and assumption of leadership roles and responsibilities. Students will acquire information, experience diverse points of view, construct knowledge and practice a variety of interpersonal and social skills, such as communicating, goal-setting, decision-making, team-building, and managing stress.

Women's Studies

WST 113 Human Sexuality [SS] 5 Credits

Study of sexual facts, attitudes, morals, and behavior. Includes conception, contraception, sexually transmitted diseases, abortion, physiological and psychological aspects of sexual response, varieties of sexual behavior, exploration of sexual abuse and victimization, legal issues in sexuality, sexual ethics, and society's influence on sexuality and sex roles. Course for adults—lectures and films may contain explicit language, sciences, nudity, and material. Prerequisite: ENG 101. Recommended: READ 098. Student may not earn credit for both WST 113 and PSY 113. High school students need written permission from parents to enroll in course.

WST 121 Biology of Women [NS] 3 Credits

Designed to examine biological issues related to the distinctive anatomical and physiological characteristics and qualities of women. This course does not include a lab. Prerequisite: Appropriate placement score or grade of C or higher in ENG 099; or permission of the Science Division

Chair or designee. Recommended: READ 098. Student may not earn credit for both WST 121 and BIO 121.

WST 124 Women Artists: A Historical Survey [H] 5 Credits

Focuses on the unique artistic contributions of women artists through history from the middle ages to present. Student may not earn credit for both WST 124 and ART 124.

WST 139 Psychology of Women [SS] 5 Credits

The historical and cultural development of women. Social and psychological perspectives of female identity, traditional and nontraditional roles, values, sexuality, dependency, and the changing perception of femininity and masculinity will be examined. Student may not earn credit for both WST 139 and PSY 139.

WST 200 Introduction to Womens Studies [SS] 5 Credits

Analysis of the construction and enforcement of gender differences and inequalities, studied from a multidisciplinary and multicultural perspective. Emphasis on the intersection of ethnicity, nationality, class, and gender in women's lives, and how these intersecting constructs impact women's past, present, and future contributions.

WST 220 Gender and Society [SS] 5 Credits

Gender is a central feature of social life. Enhances students' recognition of the pervasiveness and complexities of a sex and gender "system," predominately focusing on our own society. Gender is explored on three levels to include: as a system of social relationships in which gender interacts with, and influences, institutional structures; as what people "do" in social interactions; and as an attribute by individuals for self. Student may not earn credit for both WST 220 and SOC 220.

WST 251 Voices of Women in Literature [H] 5 Credits

Survey of selected women writers across time and cultures with a focus on women as authors and characters. Time period covered ranges from the 18th to the 21st century. Student may not earn credit for both WST 251 and LIT 251.

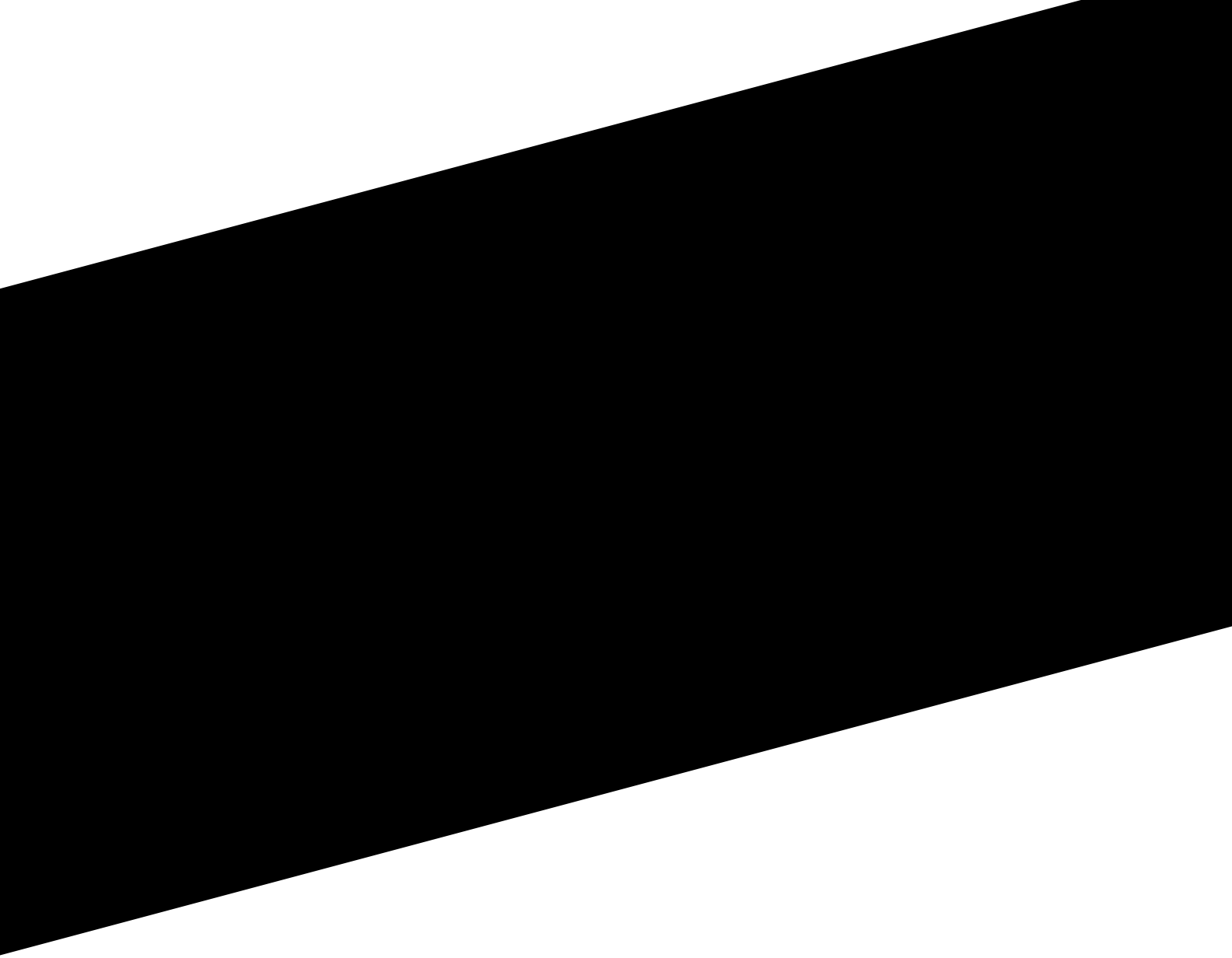
WST 280 Women in U.S. History [SS] 5 Credits

Survey of the significant contributions of women to the growth and development of the United States from the early Native American societies to the present. Examine pioneering individuals and organizations, relevant legal, social, moral, political, economic, and religious issues concerning women in American society. Student may not earn credit for both WST 280 and HIST 280.

Writing

WRITE 100 Applied Writing 3 Credits

Provides writing skills useful in the career market. Assignments include memos, letters, and short reports. Students will acquire basic computer skills, and will learn to proofread and edit their own texts. Prerequisite: Appropriate placement score.





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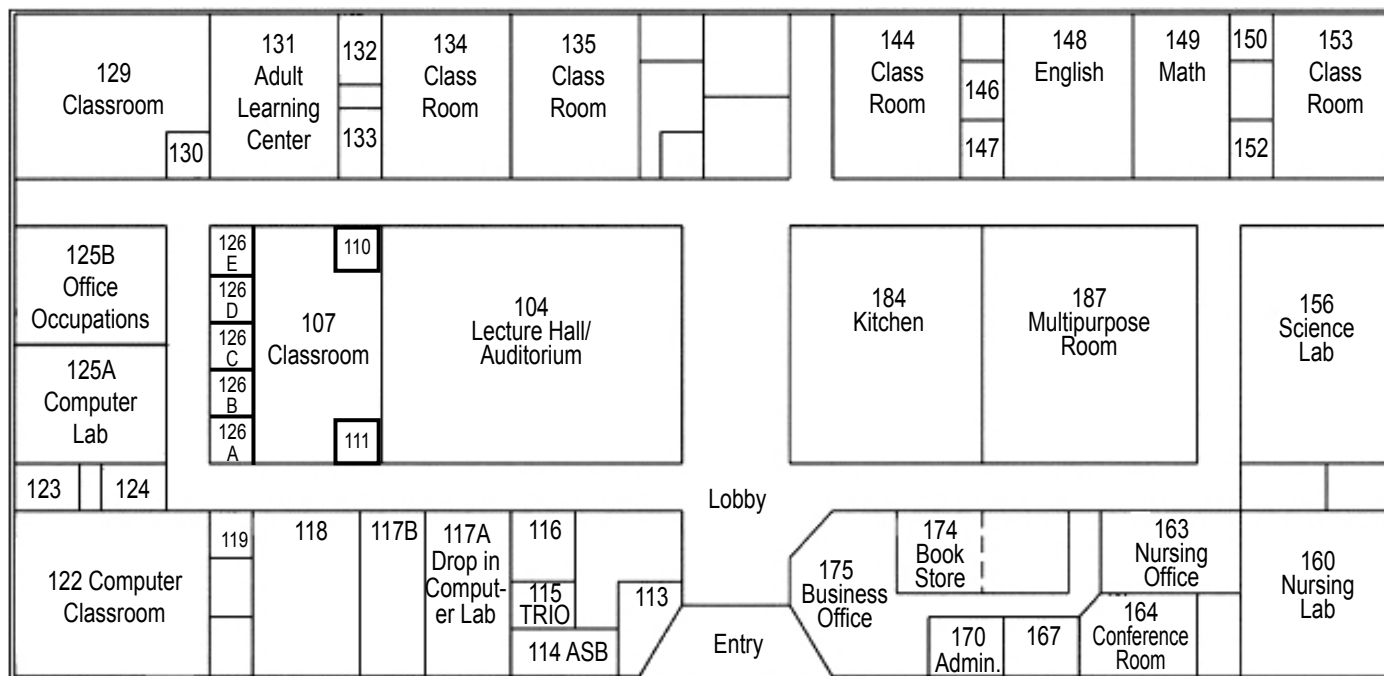
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- 117a Drop in Computer Lab
- 117b Classroom
- 118 Classroom
- 122 Computer Classroom
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