2020 - 2021

COLLEGE CATALOG

WALLA WALLA
COMMUNITY COLLEGE
Shape Your Future

We all seek a meaningful and prosperous life for ourselves, our loved ones, and for our communities. A good education is the surest path to a fulfilling life. Your decision to attend Walla Walla Community College is your next step toward the life you want to create for yourself and others. Whether you gain the knowledge and skills to go straight to work, or we prepare you to transfer to a four-year college or university, WWCC will provide you with the tools you need to achieve your goals.

WWCC strives to be diverse, equitable, inclusive, and accessible, and to provide a welcoming learning environment to all. Our dedicated faculty and staff are here to provide you with the resources to enhance your job prospects, explore your interests or passions, and to learn new life skills.

On behalf of the Board of Trustees, faculty, and staff, welcome to Walla Walla Community College.

Dr. Chad Hickox, President
Walla Walla Community College

Important Phone Numbers

Walla Walla (WW) Campus Information/Switchboard	509.522.2500
Toll Free:	877.992.9922
Clarkston (CLK) Center Information/Switchboard	509.758.3339
Toll Free:	877.471.6629
Admissions & Registrar	509.524.5168
Advising and Counseling Center	509.527.4262
Arts & Sciences	509.529.5553
Associated Student Government, CLK	509.758.1718
Associated Student Government, WW (Campus Life)	509.527.4619
Athletics/HPER (Dietrich Activity Center)	509.527.4306
Bookstore, Warrior's Locker	509.527.4255
Business Education (Accounting & Office Technology Programs)	509.527.4215
Business Services (Cashier, Payables/Receivables)	509.527.4201
College Style Salon	509.527.4247
Child Care, Clarkston (Tendercare)	509.758.1779
Child Care, Walla Walla (Bright Beginnings)	509.527.4544
Disabilities Services	509.527.4543
eLearning (Distance Learning)	509.524.5145
Extended Learning & Community Education	509.527.4331
Financial Aid	509.527.4301
Foundation (Inst. Development, Fund Raising, Scholarships)	509.527.4275
Health Sciences/Allied Health & Safety Education	509.527.4589
Human Resources	509.527.4224
High School Programs	
Alternative Education Program/Open Doors	509.527.4324
CTE Dual Credit	509.527.1876
College in the High School	509.529.5553
High School 21+	509.524.4808
Running Start	509.527.4262
Instruction Administration	509.527.4289
Library Services	509.527.4277
Nursing, CLK	509.758.1702
Nursing, WW	509.527.4240
Nursing/WSU @ WWCC	509.524.5152
Payroll	509.527.4205
President	509.527.4274
Student Activities	509.527.4619
T.D.D. (Hearing Impaired)	509.527.4412
Technology Services Help Desk	509.527.4357
Testing Center	509.527.4267
Tickets/Box Office	509.527.4255
Transitional Studies	509.527.4304
TRiO, Student Support Services	509.527.4258
Veterans Education Benefits	509.527.1864
WorkFirst	509.527.1865
Worker Retraining	509.529.1113
Workforce Education	509.527.4582
WorkSource	509.524.5230

Board of Trustees

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TABLE OF CONTENTS

Degrees

Areas of Study

Course Descriptions

Faculty, Staff and Administrators

Campus Maps

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, but students may earn certificates/degrees based on the catalog in force at the time of entry, if continuously enrolled. Up-to-date information can be found using the eCatalog on the WWCC website at www.wwcc.edu.

Accreditation

Walla Walla Community College is accredited by the Northwest Commission on Colleges and Universities (NWCCU) and certified by the Washington State Board for Community and Technical Colleges (SBCTC) to offer courses in Academic Transfer Education, Workforce 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.

Documents describing the College's accreditation are found in the office of the Vice President of Instruction and on the College's website at www.wwcc.edu. Individuals may also contact:

Northwest Commission Colleges and Universities (NWCCU)
8060 165th Avenue NE, Suite 100 • Redmond, WA 98052
(425) 558-4224 • www.nwccu.org

Commitment to Equity, Diversity, and Inclusion

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 the 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.

Accommodations for Students with Disabilities

Students with disabilities may request information regarding campus access and accommodations by contacting Bobbie Sue Arias, the Coordinator of Disability Support Services, Walla Walla campus: 509.527.4262, TDD 509.527.4412; or Heather Markwalter, Clarkston campus: 509.758.1721, heather.markwalter@wwcc.edu. WWCC complies with Section 504 of the Rehabilitation Act and the Americans with Disabilities Act (ADA).

Equal Opportunity Statement

Walla Walla Community College District No. 20 (WWCC) is committed to provide equal opportunity and nondiscrimination for all educational and employment applicants as well as for its students and employed staff, without regard to race, color, creed, national origin, sex, sexual orientation, including gender expression/identity, genetic information, marital status, age (over 40), the presence of any sensory, mental, or physical disability, the use of trained guide dog or service animal by a person with a disability, or status as a Vietnam and/or disabled veteran, National Guard member or reservist in accordance with the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, the Federal Rehabilitation of 1973, the Americans with Disabilities Act of 1990 and any other applicable Federal and Washington State laws against discrimination. Sherry Hartford, Vice President of Human Resources, is the College's Title IX and Section 504 Officer and has overall Affirmative Action/Equal Opportunity program responsibility. It is considered to be the day-to-day obligation of each WWCC staff member to support this policy and to ensure that fair and equitable treatment is provided to all persons accessing the services of the College.

Sherry Hartford, Vice President of Human Resources
Title IX Coordinator/Section 504 Compliance Officer
(509) 527-4300 • sherry.hartford@wwcc.edu
Walla Walla Community College • 500 Tausick Way

Student Right-to-Know and Safety Act

The safety and security of all members of Walla Walla Community College is a priority for the Walla Walla Community College Campus Security and Environmental Health and Safety Department. In compliance with the Jeanne Clery Disclosure of Campus Security Policy and Crime Statistics Act, Walla Walla Community College publishes information concerning campus security policies and campus crime statistics for the most recent three-year period online at https://www.wwcc.edu/security-environmental-health-safety/clery-act-compliance/. Additional information may be obtained from the Campus Security and Environmental Health and Safety Department, which is located in Bldg. D on the Walla Walla campus or by calling 509-526-7233 or emailing campussafety@wwcc.edu.

The College

Walla Walla Community College has grown from 850 students in 1967 to a present annual enrollment of nearly 10,000. Located on approximately 130 acres, the Walla Walla campus has become a center for innovation, education, training, and learning opportunities throughout the region it serves (Walla Walla, Columbia, Asotin, Garfield Counties, and bordering counties in Idaho and Oregon). WWCC's Clarkston campus, located in Clarkston, Washington, serves the education and training needs of community members within Asotin and Garfield counties. The College also has education and training centers at two correctional facilities: Washington State Penitentiary in Walla Walla and Coyote Ridge in Connell, Washington.

Walla Walla Community College offers a comprehensive curriculum of academic and workforce training programs. The major areas of studies include Arts and Sciences Transfer, Workforce Education, Pre-College, Basic Skills, and now offers Bachelor of Applied Science degrees. In addition, WWCC offers courses through extended learning; dual-credit and alternative high school programs; workplace learning centers; outreach learning programs; and lifelong opportunities, including Kids College and Quest, a program that offers short courses to persons age 50+.

WWCC Vision Statement

WWCC will be the catalyst that transforms our students' lives and the communities we serve.

WWCC Mission Statement

Walla Walla Community College inspires all students to discover their potential and achieve their goals by providing relevant, equitable, and innovative learning opportunities and services.

WWCC Core Themes

Walla Walla Community College identified three core themes that manifest essential elements of its mission. The core themes are: Student Success, Strong Communities, and Resource Stewardship. Core Themes describe the fundamental aspects of the College's mission by translating it into practice.

Institutional Values

Learning Opportunities. We value learning and encourage students to acquire a rich and wide body of knowledge, as well as a love of their chosen discipline. We provide an environment that fosters active learning and support services necessary to help all students achieve their potential. Everything we do is focused on expanding student access, retention, and completion.

Integrity. Integrity is an essential component of the common bond within Walla Walla Community College. Efficient accomplishment of institutional goals is based on trust and mutual respect. We value honesty, fairness and ethical behavior.

Sense of Community. We strive to build community. We value a climate where all individuals feel accepted and meaningfully involved in a common cause. We recognize we are interdependent and demonstrate respect for one another.

Teamwork. We value partnerships within the College and with members of the communities we serve. We practice collaboration in plans, actions, and shared results.

Diversity. We oppose all barriers that separate people from opportunities: barriers of socioeconomic status, race and ethnicity, age, gender, sexual orientation, and inexperience with the educational system.

Innovation. Walla Walla Community College values, respects, and rewards the enthusiastic pursuit of new ideas, creative risk-taking, and entrepreneurial endeavors. Encouraging the pursuit of excellence and innovation will help the College prepare students and staff to shape the future. Creativity is one of our most important resources in the 21st Century.

Health and Humor. We value a healthy environment that encourages humor, creativity, and enjoyment of work. We promote health, wellness, and safety within the College and the communities we serve.

Personal and Professional Growth. We value the growth of both our students and staff. We believe that our own engagement in the learning process enhances our ability to enrich our personal lives, careers, and work in the global community.

Excellence. We value superior quality and are dedicated to continued improvement in all college programs and services. We practice an ongoing systematic planning and evaluation process to ensure that our programs and services are distinctive, relevant, responsive, and of the highest quality.

Sustainability. Walla Walla Community College values the well-being of our communities and is dedicated to protecting and restoring our resources. We advocate for and demonstrate practices that promote economic and environmental sustainability.

ADMISSIONS AND RESIDENCY

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Admissions and Residency

WWCC provides access to any adult that can benefit through an "open door" admissions policy as established by the State of Washington (RCW 288.50.020). Some Workforce Education programs have specific admission criteria and limited space; however, WWCC makes every effort to assure a reasonable probability and timeframe for program admissions. The college's admissions, satisfactory progression, academic appeals, termination, and readmission policies are clearly outlined, published, and administrated in a fair, equitable, and timely manner.

Explanation of Resident Classification

A resident student is one who is a U.S. citizen or meets specific requirements as a non-citizen and has met specific requirements demonstrating permanent residence in the State of Washington (RCW 28B.15.012). Two elements are necessary to establish permanent residence. The first element requires physical presence on the location claimed as a permanent residence. The second element requires the intent to permanently reside in that location. These two elements can be established by a variety of factors and documentation, which should be dated one year and one day prior to the commencement of the quarter for which the student is applying for residency status.

Special regulations may apply to some eligible non-citizens, Washington higher education employees, and to military personnel and their dependents stationed in the State of Washington. For further information, contact the Office of Admissions and Registrar at 509.524.5168.

Student Responsibility to Register Under Proper Classification

The student is responsible to register under the proper classification. If there is any question regarding residency classification, the student (prior to or at the time of registration) must discuss it with the Residency Officer in the Office of Admissions and 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.

Students who have been erroneously classified as residents 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 wishing to change their residency classification must complete a residency questionnaire found at www.wwcc.edu/admissions/residency/ and provide necessary documentation. Application for reclassification prior to registration into classes is preferred. Residency reclassification must take place within 30 calendar days of the first day of the quarter.

Students classified as non-residents will retain that status until the written application for reclassification has been approved. For more information call 524.5168.

Non-Resident, U.S. Citizens

Tuition for non-resident U.S. citizens is listed online at www.wwcc.edu/tuition.

How to Enroll in Classes at WWCC	
STUDENT CATEGORY	**ENROLLMENT PROCEDURES**
New students working on a degree or certificate	*Submit the FREE application for admission at www.wwcc.edu/getting-started.* *Follow the steps in the New Student Portal at www.wwcc.edu/sip, including an Advising and Registration Session.* *Some Workforce Education programs and the Baccalaureate of Applied Science programs have specific entrance requirements and priority list procedures. Contact the program for details. Contacts listed online or in Areas of Study section.*
Students working on a degree or certificate, transferring credits from another college	*Submit the FREE application for admission at www.wwcc.edu/getting-started.* *Have official transcripts from other colleges sent to the Office of Admissions and Registrar and complete a transcript evaluation request form found at www.wwcc.edu/traneval.* *Follow the steps in the New Student Portal at www.wwcc.edu/sip, including an Advising and Registration Session.* *Some Workforce Education programs and the Baccalaureate of Applied Science programs have specific entrance requirements and priority list procedures. Contact the program for details. Contacts listed online or in Areas of Study section.*
Students returning after an interruption in their enrollment at WWCC.	*If less than a year interruption, submit updated information to the Office of Admissions and Registrar including verification of program of study and contact information. If a year or more, submit the FREE application for admission at www.wwcc.edu/apply.* *Meet with an advisor to determine the need for placement or an Advising and Registration session.*
Students in the Running Start Program	*Submit the FREE application for admission at www.wwcc.edu/apply.* *Complete placement process.* *Contact high school counselor for Quarterly Referral, Enrollment Verification Form, and transcript information.* *Register for and attend a Running Start Orientation.*
Students in the Alternative Education Program (AEP)	*Enrolled high school students contact Walla Walla school administrator for an AEP referral; out-of-district applicants need a Choice Transfer release from their school district superintendent.* *Non-enrolled and enrolled high school students contact WWCC High School Programs Office for an AEP application.* *1. Submit the FREE application for admission at www.wwcc.edu/apply.* *2. Compete Placement Process.* *3. Interview with the high school programs director.* *4. Meet with an AEP advisor, register for classes, and attend a mandatory AEP orientation.*
Students under age 18 not enrolled in Running Start, AEP or other specific age appropriate coursework who do not have a high school diploma or equivalent.	*Download the Underage forms online at www.wwcc.edu/underage or pick up at the Office of Admissions and Registration.* *Submit completed forms and supporting documentation to the High School Programs Office in WW or to the Clarkston Campus.* *Schedule appointment for student and parent/ guardian for an interview and advising with the High School Programs Director, or the Director of the Clarkston campus.*
College in the High School	*Please contact the Arts and Sciences office for details on enrolling in this program at 509.529.5553.*
Students attending English as a **Second Language (ESL), Adult Basic Education (ABE) or GED®** preparation courses	*Contact the Transitional Studies Department at 509.524.4808 or 509.758.3339 in Clarkston for registration information.*
Students planning to take Continuing Education classes	*Visit the Continuing Education website at www.wwcc.edu/community, or call 509.527.4331.*
Students in High School Completion (HSC) who are 19 yrs of age and older	*Submit the FREE application for admission at www.wwcc.edu/apply.* *Submit official high school transcript(s) from all high schools to the High School Programs Office.* *Complete placement process.* *Meet with High School Completion advisor for advising and registration.*
International Students with F1 or F2 Visa	*Submit International application for admission (must be completed 90 days prior to the beginning of the quarter).* *Submit official transcripts from secondary and post-secondary academic institutions translated into English if applicable.* *Submit financial affidavit of sufficient financial support for nine months covering tuition, fees, and living expenses.* *Submit documents showing English Proficiency. For a full list of options for showing English Proficiency, please see the following website: https://ip.wwcc.edu/international-admissions/* *Students transferring from other U.S. institutions must provide documentation of good academic standing (2.0 GPA or better) AND verification from current US institution that the student is eligible for re-admission, financial affidavit and meets English Proficiency Requirements.* *Please visit this website for more information: ip.wwcc.edu*

New Student Process

All students need to complete a FREE Application for Admission to the college. Once the application has been processed, the student will receive an acceptance email and letter that includes a Student Identification Number (SID) and instructions to follow in the ***New Student Portal***. All steps are from Application to Portal are outlined online at www.wwcc.edu/getting-started.

The New Student Portal will guide you to setting up a Network Login, completing the Placement Process, applying for Financial Assistance, and signing up for an Advising and Registration session. The portal can be found at www.wwcc.edu/sip.

Financial Assistance

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. For Financial Aid information call 509.527.4301 or 509.527.4329 for Walla Walla and 509.758.1703 for Clarkston or online at www.wwcc.edu/financial.aid.

Eligibility

- Be a citizen of the United States or an eligible permanent resident.
- Have a high school diploma or GED® certificate.
- Students without a high school diploma or GED must meet Ability to Benefit requirements through our Transitional Studies Department
- Be enrolled in an eligible degree or certificate program offered by WWCC. Up to 45 credits of remedial coursework will be funded by financial aid if the student is accepted into an eligible program.
- Be registered with Selective Service if you are a male who is at least 18 years old, born after December 31, 1960, and not a current member of the active armed forces.
- Have financial need as determined by a federally-approved need analysis formula.
- Be in good standing on previous federal loans (not currently in default); be in good standing with previous federal or state grants (not currently in overpayment or repayment).

How to Apply

Students must complete and submit the Free Application for Federal Student Aid (FAFSA) or the Washington Application for State Financial Aid (WASFA) and the WWCC Financial Aid Information Form. Applications are available on the web at www.fafsa.ed.gov (for FAFSA), www.readysetgrad.org/wasfa (for WASFA) or at www.wwcc.edu/financial-aid/.

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.

A complete listing of the notification schedule for files completed can be viewed at the www.wwcc.edu/financial-aid/.

Financial Aid Programs

GRANTS	
Federal Pell Grant	*A federal grant program for students who meet federal financial eligibility criteria.*
Federal Supplemental Educational Opportunity Grant	*A federal grant program for students with exceptional financial need.*
Washington State Need Grant	*A Washington State program for WA resident students who meet financial eligibility criteria.*
State Tuition Waiver	*A Washington State program for WA resident students with a demonstrated need.*
EMPLOYMENT PROGRAMS	
Federal Work-Study	*A federal program which offers a job to financially qualified students. The student may work 10-15 hours per week.*
State Work-Study	*A state program which offers a job related to the student's area of study to financially qualified students on or off campus. The student may work up to 19 hours per week depending on individual eligibility.*
LOAN PROGRAMS	
Federal Direct Loan	*A federal loan program with deferred repayment and variable interest rates.*
Federal Perkins Loan	*A federal loan program established to make low interest, long term loans to students who meet financial eligibility criteria.*
Federal PLUS Loan	*Federal loan program for parents of dependent students. Variable interest rate with immediate repayment.*
SCHOLARSHIPS	
WWCC Foundation Scholarships	*A variety of scholarships funded by the WWCC Foundation. Foundation scholarship application is available online. For more information, contact: 509.527.4275.*
General Scholarship Information	*Various scholarship applications are available at the Financial Aid office.*
Athletic Scholarships	*All athletic scholarships are awarded by the head coach of each sport.*
Activity Scholarships	*Scholarships are available through clubs and organizations and various campus activities such as theater, music and art.*

- Bureau of Indian Affairs – available to qualified Native Americans. Information available at www.bie.edu
- Department of Vocational Rehabilitation - 509.526.2590 or 1.877.501.2233
- Veterans Administration - 509.527.1864
- WorkFirst – tuition and book assistance for qualified TANF recipients seeking training. 509.527.1865, or 509.758.1711 in Clarkston
- Basic Food Employment & Training (BFE&T) – for qualified individuals. 509.527.1865, or 509.758.1711 in Clarkston
- Worker Retraining – financial assistance to qualified dislocated workers or displaced homemakers. 509.529.1113, or 509.758.1711 in Clarkston
- Opportunity Grant – financial assistance to qualified students enrolled in high demand pathways. 509.527.4262
- Automatic Payment Plan - Call WWCC Business Services at 509.527.4204 or 509.758.3339 at the Clarkston campus for more information. Information available online at www.wwcc.edu/pay

Satisfactory Academic Progress Requirements for Financial Aid Recipients

Federal and state regulations require Walla Walla Community College to monitor the satisfactory academic 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, cumulative pace of progression of 67% or higher in declared program, and the following credit completion rates:

If you enroll as:	You must complete at least:	You will be placed on warning if you complete:	Aid will be suspended if you complete less than:
Full time (12+ credits)	12 credits per quarter	6-11 credits per quarter	6 credits per quarter
¾ time (9-11 credits)	9 credits per quarter	5-8 credits per quarter	5 credits per quarter
½ (6-8 credits)	6 credits per quarter	3-5 credits per quarter	3 credits per quarter
Less than ½ time (1-5 credits)		all credits enrolled for	total credits enrolled

Only grades of A, B, C, D, and P will count as completed credits. Grades of F, I, M, N, S, U, Q, Y, and Z do not count as completed 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.

Placement Process

To be placed into English, reading, and math courses, there are various measuring tools to assess which class the student should enroll in. New students start should start the Placement process by going to www.wwcc.edu/sip or www.wwcc.edu/placement. Placement is based on degree pathway, previous assessments such as ACT, SAT, or SBAC, and high school and college transcripts. Unofficial copies of these documents will be reviewed through the Placement Survey. If placement cannot be determined based on these documents, students will take an ACCUPLACER exam to determine their placement.

Placement testing is by appointment only. For the Walla Walla Campus, please call 509.527.4267 or email testing@wwcc.edu to make an appointment. For the Clarkston Campus, please call 509.758.3339.

Transfer students who submit to the Office of Admissions and Registrar official transcripts showing successful completion of college-level math and English with a grade of 2.0 or above are waived from taking that portion of the placement test. As part of the statewide reciprocity agreement, WWCC will accept math, reading, and writing placements from all other Washington State community and technical colleges.

Educational & Career Advising and Advising & Registration Sessions

WWCC provides assigned advisors to all degree-seeking students based on their program of study and are required to meet quarterly for educational planning to obtain their Quarterly Registration Number (QRN). Advisors use a variety of tools and assessments throughout the academic terms to help students determine appropriate career and education plans, develop quarterly class schedules, and review progress toward degree completion. However, the final responsibility for meeting all graduation requirements rests with the individual student.

Career exploration is available through courses and individual consultations to help students define their educational, personal, and career goals. Comprehensive career exploration tools are available online at www.wwcc.edu/career-services/explore. Free online assessments of students' interests, abilities, personalities, and decision-making styles are administered and interpreted by professional personnel in the Advising and Counseling Center. Call 509.527.4262 - Walla Walla, or 509.758.3339 - Clarkston for more information or an appointment.

Advising and Registration sessions will be offered several times throughout the year to familiarize students with WWCC communications, education and career planning, online tools, the advising and registration process, as well as information on campus and community resources. For more information, please visit the New Student Portal at www.wwcc.edu/sip or contact the Advising and Counseling Center at 509.527.4262, or 509.758.3339 in Clarkston.

Registration

Registration is the process of enrolling in classes each quarter. After completing the advising process, students will obtain a registration date and time, and a Quarterly Registration Number (QRN) from their advisor. Students are then able to register online after their scheduled registration date and time. Registration dates and times may be found through the MyWWCC student portal. Students are able to make schedule changes online through the last day to register as specified in the "Important Dates" document online at www.wwcc.edu/calendar along with other important deadlines. It is the student's responsibility to manage their class schedule to include adding or dropping courses at any point during the quarter.

Students are not allowed to attend a class unless officially registered for either credit or audit. Some classes, such as CAP, ESL, HSC, and GED®, have continuous enrollment.

Certain courses require prerequisite coursework at a minimum level of performance before a student can attend a particular class. Students who register for classes in which they have not met prerequisite requirements will be administratively withdrawn.

WWCC honors all military, veterans, and service-member students by allowing them priority registration. During the process of creating registration dates and time, these students are assigned a date and time one day before other students are allowed to register. This means our military and veterans students are the first to be allowed into our online registration system, therefore giving them priority registration.

Payment

The final step in the registration process is paying the bill. WWCC cashiers accept cash, checks, MasterCard, and Visa at Business Services or online. An automatic payment plan is available online using an SID and Quarterly Registration Number. You may set up the automatic payment plan with a bank account, MasterCard, or Discover. Information available at www.wwcc.edu/pay. Tuition and fees are usually due ten days prior to the beginning of the quarter.

Students planning to use financial aid to pay tuition will receive communication from the financial aid office when funds are available for payment. Students may track their financial aid status via the Financial Aid Portal at the WWCC website, www.wwcc.edu/financial.aid. Students who do not pay tuition by the due date may be dropped from classes and subject to a $50 re-enrollment fee.

ACADEMIC INFORMATION

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Important Disclaimer

In the event of unforeseen circumstances such as, but not limited to, pandemics, weather, natural disasters WWCC may have to deliver program and course instruction by an alternative method(s).

College Academic Year

The College academic 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. Each quarter a full range of courses is available. A 7-week summer session is offered in June, July, and August when fewer courses are offered over a shorter, more concentrated time frame. 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. In addition, courses may be available for a mid-quarter start. Check with the Office of Admissions and Registrar to add classes. For a current College calendar please check online at www.wwcc.edu/calendar.

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/PE activity courses meet two hours for one credit. 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 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.

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 classes 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 in Washington. For more detailed information, contact the Office of Admissions and Registrar at 509.527.4284. To have credits evaluated, students should complete a WWCC Application for Admission and have their previous college(s) send an official transcript to the WWCC Office of Admissions and Registrar. Students fill out the Transcript Evaluation Request form available online at www.wwcc.edu/traneval, indicating the degree they are seeking and submit the online form to the Office of Admissions and Registrar.

Awarding Academic Credit for Prior Learning (ACPL)

For the purposes of this section, prior learning means the knowledge and skills gained through work and life experience; through military training and experience; and through formal and informal education and training from in-state and out-of-state institutions. To award ACPL, the college must determine whether or not the knowledge, skills and abilities a student has gained through prior learning match the knowledge, skills and abilities a student would gain by completing a specific course. If outcomes of prior learning equal outcomes of a specific course, then credit for this non-traditional learning may be awarded. Students planning to transfer should check with the receiving institution on the number of credits earned through ACPL, that they will accept.

The College supports as guidelines the principles of best practices published by the Washington State Board for Community and Technical Colleges (CTC), as well as the policies established by the Northwest Commission on Colleges and Universities. The CTC system recognizes four categories of credit for non-traditional learning listed below.

Standardized Testing - Commonly accepted higher education equivalency exams that are documented via transcript or other official record. Examples of such tests are Advanced Placement (AP); College-Level Examination Program (CLEP); DANTES Subject Standardized Tests (DSST); International Baccalaureate (IB); and Cambridge "A" and "AS" Level Exam. For scores acceptable to the College for credit, please go to www.wwcc.edu/acpl.

Course Challenge - Challenge exams are sufficiently comprehensive to determine that the student has the same knowledge and skills as those students who enroll in and successfully complete the course. A student should have previous training, private study, work experience or other bona fide qualifications indicating she/he has the knowledge or abilities equivalent to course completers.

Extra-Institutional Learning - Knowledge and skills acquired outside the institution and objectively verified through industry certifications, such as the NCLEX-RN; industry-recognized testing/training, such as that addressed by the American Council on Education (ACE), particularly for the military; and occupational crosswalks, such as those for police, firefighters, and AmeriCorps.

Prior Experiential Learning - Knowledge and skills acquired through experience alone, evaluated by qualified faculty via evaluation of a compilation of work. All prior learning assessment credits in this category are awarded through a prior experiential learning portfolio review, as in the HS21+ program.

To have non-traditional learning recognized by the College, the student should consult with the Registrar in the Office of Admissions and Registrar. Please also refer to www.wwcc.edu/acpl for more information. A fee may be required before transcribing the credit onto a student's transcript.

College Costs

During the 2018-2019 academic year, full-time tuition and mandatory fees are estimated to cost $4,530 ($6960 for BAS) for one year (15 credits per quarter for three quarters) for Washington State residents and $6,030 ($8460 for BAS) for out-of-state residents. Textbooks and supplies average about $1,000 per year. Room and board, personal expenses, and transportation costs for one year will vary with the individual or family. Listed below are budgets that represent possible cost patterns for which the College may award financial aid funds after personal or family resources are deducted.

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. 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.

Student Budget 2020-21 School Year

Student Budgets	Dependent living with parent	Not living with parent
Tuition, Fees (est)*	$4,818	$4,818
Books & Supplies	$1,000	$1,000
Rent/Food/Utilities	$3,486	$10,500
Transportation	$1,650	$1,650
Misc./Personal	$2,046	$2,232
TOTAL	**$13,000**	**$20,200**
*Add $1,500 for non-resident tuition		

Student Budgets (BAS only)	Dependent living with parent	Not living with parent
Tuition, Fees (est)*	$7,386	$7,386
Books & Supplies	$1,000	$1,000
Rent/Food/Utilities	$3,486	$10,500
Transportation	$1,650	$1,650
Misc./Personal	$2,046	$2,232
TOTAL	**$15,550**	**$22,750**
*Add $1,500 for non-resident tuition		

Refund Policy

WWCC will refund tuition and refundable fees if official withdrawal from the college or course(s) occurs within the specified timeframe listed below.

REFUNDS	WWCC will refund tuition and refundable fees if official withdrawal occurs.	
Fall, Winter, Spring	Up to 100% refund on or before 5th day of the quarter.	Up to 40% refund from 6th day of the quarter through the first 20 calendar days.
Summer	Up to 100% refund on or before 4th day of the quarter.	Up to 40% refund from 5th day of the quarter through the first 20 calendar days.

The Washington Online (WAOL) calendar for 100% refund dates may differ. There is no WAOL 40% refund period.

Refunds are handled differently for special sessions and short courses.

Reduction of Credit Hours

Tuition and fees may be partially refunded if students officially reduce their credit-hour load through the fifteenth calendar 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, and the date of the drop. Refund checks/credit or debit card refunds will be processed in Business Services within approximately three weeks to the address or card 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.

Increase in Credit Hours

Tuition and fees will be recalculated for every increase in credits. The tuition/fee payment is due in full to Business Services on the same day the change is made. Students are responsible for monitoring waitlisted classes which may cause an increase in credit hours, tuition, and fees.

Grading Policy

Grades and Grade Reporting

The WWCC grading system provides a permanent record of grade evaluations which reflect the student's course achievement. Grades are available online through the MyWWCC student portal approximately one week after the end of the quarter.

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 upon the request of the student and with the concurrence of the instructor. It is available only to a student who is doing passing work and has completed at least two-thirds of the coursework 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 contact their instructor 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

A student with an incomplete grade in a prerequisite course may enroll in a subsequent course. 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. If the student does not complete the prerequisite course in the first three days of the subsequent quarter, the College will drop the student from the current course.

If a student does not make up the incomplete grade, the instructor will submit a Grade Change Request form and the registrar will change the incomplete grade to the grade and credits agreed to in the Incomplete Grade Contract.

N **Audit** – course not taken for credit (does not appear on transcript). Students wishing to enroll for audit must do so by the 5th day of the quarter.

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 Registrar. Withdrawals can be processed at the Office of Admissions and Registrar throughout any drop period. Students should refer to the Important Dates document 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 veterans 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 Important Dates document online at www.wwcc.edu/calendar; 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 not to exceed two subsequent and consecutive quarters may be given time to complete course requirements.

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/Q/S/U Mastery/Qualified/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 submits a Grade Exclusion Request form 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.

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

- At least three calendar years must have passed since the student was last enrolled at WWCC;
- Grades to be excluded must have been awarded prior to the minimum years of absence;
- Completing at least 24 credits with a cumulative GPA of 2.0 or higher since returning to the College.
- 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.
- 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.

To initiate a petition for exclusion of grades, the student should complete the online Grade Exclusion/Redline Request form. After review, if the student's petition is approved, the excluded grades will not appear on the student's transcript and will not be used in calculating the GPA. The excluded grades, however, will remain as part of their permanent record, and a reference to the use of the grade exclusion policy will be made on the transcript.

Adding a Course

A student may add a course online with a Quarterly Registration Number (QRN) through one day before the quarter starts. Refer to the Important Dates document located online at www.wwcc.edu/calendar for specific dates. Students will not be able to register themselves after this date unless the course has continuous enrollment. Exceptions may apply. Please visit with an advisor to determine any exceptions.

Dropping a Course

A student may drop a course based on the dates listed in the "Important Dates" document found online at www.wwcc.edu/calendar. It is the student's responsibility to initiate a drop online until one day before the quarter starts or complete the designated form in the Office of Admissions and Registrar. Failure to drop a class or withdraw from school in a timely manner may disqualify a student from receiving a refund of tuition and fees and may cause the student to receive failing grades.

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, Q, U or P.

Quarterly Grades

At the end of each quarter, grades are processed for each student enrolled for credit. Students may access their quarter grades and all previous grades by viewing an unofficial transcript online through their MyWWCC account.

Grade Change

Once a grade has been filed with the Office of Admissions and Registrar, the grade 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 should not be changed. Exceptions may be apply in cases where sufficient evidence is provided showing the need to change a grade.

Repeating a Course - Grade Forgiveness

A student may request grade forgiveness when repeating any course for which a grade of "C-" or lower was received. Students must submit the online Grade Forgiveness/Repeated Class Request form to have only the highest grade calculated into the WWCC grade point average. As a result of the request, the courses with the lower grade will have an "R" identifier posted next to the grade in the permanent transcript.

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

The course must be repeated at WWCC or the repeat will not be shown on the WWCC transcript, and the grade point average will not be recalculated. Grade forgiveness will not be granted more than twice per course. Students are not allowed to enroll in the same course more than three times as stated in the State Board of Community and Technical College's Policy Manual. The following is the reference to this State Board Rule:

"Students cannot be reported for a course in which they have already earned credit except when such a repeat is necessary to satisfy a requirement for improving academic or skill progress (grades). In no circumstance will a student be reported more than three times for the same course – this is defined as two repeats in addition to the original enrollment." See the following website for the full content: https://www.sbctc.edu/colleges-staff/policies-rules/policy-manual/chapter-5.aspx

Note: Students planning to transfer to baccalaureate institutions should be aware that many baccalaureate institutions have strict policies on course repeats. We recommend checking with the transfer institution before repeating a class to determine course transferability.

Students receiving financial aid or veterans benefits should consult the respective office prior to repeating a course as financial penalties may be imposed. This procedure has no effect on admission criteria and procedures established for selected program areas.

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 signed request to the Office of

Admissions and Registrar. Go to www.wwcc.edu/transcripts for information and ordering. Transcript services are withheld when a student has an outstanding financial obligation to the College.

Student Academic Responsibilities

1. **Advising:** Every student at Walla Walla Community College seeking to complete degree or program requirements is responsible for maintaining regular contact with a college advisor. 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**: Students at Walla Walla Community College are responsible for requirements as outlined by the instructor. This information may be included in the course syllabus.
4. **Attendance:** Students are expected to attend classes regularly to ensure the successful completion of coursework. Excused absences may be permitted at the discretion of the instructor for illness, official college activities, or personal emergencies. All coursework missed must be completed to the satisfaction of the instructor. The student is responsible for initiating procedures for make-up work. Career and Technical Education programs may 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**: Students must take examinations at the time scheduled by the instructor. A request to take a final examination at another time must be approved by the instructor and the Vice President of Instruction. Proctored exams may be required for online courses and must be scheduled in the Testing Center or an approved testing location.
6. **Student Progress:** Students must work toward completion of degrees or certificates by working with their advisors to meet their intended educational goals in a timely manner.
7. **Student Rights and Responsibilities:** Students must adhere to the Rules of Conduct and Procedures of Enforcement as published in the student handbook online at: www.wwcc.edu/studenthandbook.

Academic Standards Policy

Academic Recognition

Each quarter, the College recognizes student academic achievement for full-time students (12 credits or more 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 to take corrective action. The following guidelines have been established to ensure 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 10 or more credits in the quarter and whose quarterly GPA is less than 2.0 will be notified of their situation.
   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 Vice President of Instruction to review their situation before registering for classes.
3. Any student whose GPA is under 2.0 will be referred to services provided by the College to enhance student success.
4. Students placed on academic probation or suspension may appeal to the Vice President of Instruction for reconsideration if they feel that unusual circumstances beyond their control contributed to their low academic achievement.
5. After academic suspension of one quarter (fall, winter, spring), a student must contact the Vice President of Instruction 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 or higher.

Plagiarism/Cheating

1. Plagiarism is defined as presenting someone else's work, including the work of other students, as one's own. A student must give credit to the originality of others and acknowledge indebtedness whenever:
   a. directly quoting another person's actual words, whether oral or written;
   b. using another person's ideas, opinions, or theories;
   c. paraphrasing the words, ideas, opinions, or theories of others, whether oral or written;
   d. borrowing facts, statistics or illustrative material; or
   e. offering materials assembled or collected by others in the form of projects or collections without acknowledgement.

People's ideas may be contained in written text, visual text, and multi-media products, including websites, music, and written text.

2. Any student who aids or abets the accomplishment of such activity as defined in subsection one (1) above shall also be subject to reasonable action by the instructor (see below).
3. An instructor may take reasonable action against any student who is deemed to have been guilty of plagiarism. Course of action might include, but not be limited to:
   a. student receives a warning;

b. student receives a lowered grade;

c. student receives failing grade for the course;

d. student is referred to an appropriate dean and/or the Vice President of Instruction (VPI);

e. student is referred by the VPI to the Conduct Officer for violation of Student Code of Conduct to the Conduct Officer.

4. An instructor taking action against any student for an act of academic misconduct reports such action to the Vice President of Instruction as soon as possible. Any student subject to action of an instructor for a violation of this section may seek review of that action by referring to the Grievance Procedure for Instructional Issues.

Veterans' Academic Progress

Persons receiving VA education benefits are subject to the following standards of progress:

All persons utilizing VA education benefits 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."

Persons who fail to make satisfactory progress will be placed on Academic Probation according to WWCC's "Academic Standards Policy" located in this catalog. Persons who are placed on Academic Probation can be reinstated to regular status by earning a 2.0 GPA for the probationary quarter.

When a student fails to earn a 2.0 GPA or higher for three (3) consecutive quarters, unless successfully appealed through the Academic Standards Review Board, the individual will be terminated from receiving VA education 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.

Persons whose financial support has been discontinued for reasons of unsatisfactory progress will not be recertified for VA education benefits until satisfactory progress is maintained for the quarter in which re-admittance by the Academic Standards Review Board was allowed and they complete a meeting with their academic advisor.

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.

Full-time study is a minimum of 12 credit hours per quarter. However, a student is not required to be full-time in order to utilize VA education benefits; their award is adjusted accordingly.

Individuals cannot be certified for remedial courses offered online, audit, or other non-credit courses.

Veterans' 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:

- Records of withdrawals 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.
- Records of re-enrollment for courses leading to degrees are checked against permanent records when a program change application is submitted. This ensures that all eligible persons pursue courses and programs for which they are certified.
- A cumulative transcript of progress is on file in each veteran 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.

Graduation Process and Ceremony

Students may apply for graduation under the catalog year requirements in effect at the initial time of enrollment or any subsequent catalog year requirements, provided the student is continuously enrolled (excluding summer quarter).

Students nearing graduation must review graduation requirements with an advisor. After determining that the student will complete the coursework required, candidates must formally apply to receive their degree/certificate and to participate in the graduation ceremony. Applications are available online at www.wwcc.edu/graduation. For individual certificate and degree requirements, please see the department section of the catalog or a degree audit for the most recent year, available online.

The June commencement is a graduation ceremony for those students who have completed or plan to complete their degree or certificate during fall, winter, or spring of the current school year, or are within 10 credits of completion, as verified by the Credentials/Graduation Evaluator. Participation is highly encouraged but not required.

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 written consent to the College. 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 information in bullets below may be released without notification to the student on a need-to-know basis, as it is representative of public directory information. 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 a quarterly, Non-disclosure Request to the Office of Admissions and Registrar.

- Student's Name
- Field of Study
- Enrollment Status (e.g., full- or part-time)
- Athletic Information
- Dates of Attendance and Completion
- Degrees and Awards Received

First Year Experience Policy

The mission of First Year Experience is to create an environment that supports first year students' academic and social transition into the WWCC community. The program offers students a comprehensive first-year experience that empowers them as engaged learners, integrates them into the college community as meaningful participants in campus life, and facilitates their successful transition into future transfer and career pathways.

All online, hybrid and face-to-face students at either Walla Walla or Clarkston, including Running Start students, are required to enroll in First Year Experience their first quarter of attendance. If a student cannot enroll their first quarter (because of full sections), he/she is expected to enroll the following quarter. The FYE/AFYE classes are a graduation requirement for all new students starting Summer 2019.

A grade of C or better is considered successful completion of the First Year Experience class. If students aren't successful in passing the class, they must enroll in the class the following quarter.

Possible exemptions for taking the class are:

- A student has transferred in with, or completed, 30 or more college-level credits, and has a 2.0 or higher GPA
- A student is non-degree seeking and /or is taking less than a one-year certificate (44 or fewer credits). All Running Start students are considered degree-seeking students.
- A student is enrolled in another higher education institution and is enrolled in 5 credits or fewer at WWCC
- A student has previously completed a course that is similar to the First Year Experience course offered at WWCC

Religious Accommodation Policy

In accordance with RCW 28B.137.010, Walla Walla Community College District No. 20 (WWCC) is dedicated to providing students an equal opportunity, as well as reasonable accommodations, that will allow them to be successful.

Any student seeking reasonable accommodations under this policy must provide written notice to the faculty, within the first two weeks of the beginning of the course, of the specific dates the student requests accommodations regarding examinations or other activities.

Being absent from class or other educational responsibilities does not excuse students from keeping up with any information shared or expectations set during the missed class. Students are responsible for obtaining materials and information provided during any class missed. The student shall work with the instructor to determine a schedule for making up missed work.

Students may not be required to pay any fees for seeking reasonable accommodations under this policy.

Faculty are required to reasonably accommodate students who, due to the observance of religious holidays, expect to be absent or endure a significant hardship during certain days of the course or program. They must also notify students of this policy in their course syllabi.

"Reasonably accommodate" means coordinating with the student on scheduling examinations or other activities necessary for completion of the program and includes rescheduling examinations or activities or offering different times for examinations or activities. Examples of religious accommodations may include: rescheduling of an exam or giving a make-up exam for the student in question; altering the time of a student's presentation; allowing extra-credit assignments to substitute for missed class work or arranging for an increased flexibility in assignment due dates; and releasing a graduate assistant from teaching or research responsibilities on a given day.

STUDENT SERVICES & PROGRAMS

WALLA WALLA
COMMUNITY COLLEGE
Shape Your Future

Advising & Counseling Center

509.527.4262 - Walla Walla • 509.758.1718 - Clarkston
www.wwcc.edu/advising

Advisors, completion coaches, and counselors, in the Advising & Counseling Center help students identify and successfully achieve their education, career, and personal goals. Staff members also assist students with addressing financial and personal barriers to completing their education with the development of navigation skills and advocating for students when appropriate.

Basic Food Employment & Training

509.527.1865 - Walla Walla • 509.758.1708 – Clarkston
www.wwcc.edu/student-resources/bfet

The Basic Food Employment & Training (BFE&T) program is a partnership with Department of Social and Health Services (DSHS) that provides assistance to students enrolled in Workforce Training or Adult Basic Education pathways. Program benefits include establishing and/or maintaining eligibility for Basic Food, as well as other public benefits such as Working Connections Child Care subsidy. BFE&T provides financial aid/tuition assistance, books, and other support services available on a case by case basis. BFE&T tuition assistance provides a bridge into training while other resources such as Pell grant are pending.

Campus Recreation, Fitness, and Intramurals

509.527.4351 Walla Walla • 509.758.3339 Clarkston

The WWCC Fitness Center (Tone Zone) is available free of charge to all enrolled students. As hours of operations vary, students should check the website for the most up-to-date information.

Intramurals is an extracurricular sports program open to currently enrolled students. Programming reflects a broad spectrum of activities that vary seasonally and may be on or off campus. Information is available on the Student Life website and on bulletin boards located throughout the campus.

Career Services

509.527.4262 - Walla Walla • 509.758.3339 - Clarkston
www.wwcc.edu/career-services

Career assessments relating to interests, abilities, personality, and decision-making styles are available free-of-charge to WWCC students and are interpreted by professionally-trained staff. Some assessments are readily available online at wwcc.edu/career-services/explore/, and others may be requested or recommended during individual appointments. WWCC's career services website also provides labor market information for in-demand occupations and related educational pathways, as well as resume-building tools and networking advice. WWCC partners with WorkSource to coordinate on- and off-campus jobs for students, and various campus clubs and departments sponsor or attend regional career-focused events and job fairs throughout the year.

Child Care

509.527.4544 Walla Walla • 509.758.1779 Clarkston
www.wwcc.edu/childcare

Childcare centers located on the Walla Walla and Clarkston campuses are open weekdays for children ages one month to five years old. Hours and costs within the operating day are flexible to accommodate varying schedules. For the Walla Walla campus please call the number listed above or visit www.brightbeginningswwcc.com. For referrals to licensed childcare providers in our area visit Child Care Aware at www.wwcc.edu/parent-child/child-care-aware

Clubs & Organizations

509.527.4259 - Walla Walla • 509.758.3339 - Clarkston

Any group of students can form a club to promote their common interests. Currently there are over 20 clubs on the Walla Walla campus and 8 clubs on the Clarkston campus. Contact the Student Club Council or Student Activities & Engagement office for more information or visit our website.

Counseling

509.527.4262 - Walla Walla • 509.758.1718 - Clarkston
https://www.wwcc.edu/advising/personal-counseling/

- Free for enrolled students
- Short-term, confidential personal counseling
- Therapeutic check-ins
- Skill-building for academic and career success
- Referrals

Disability Support Services

509.527.4262 - Walla Walla • 509.527.4412 TTY
509.758.3339 - Clarkston • 509.593.5383 - VP
www.wwcc.edu/dss

Students may request accommodations due to a disability by contacting the Coordinator of Disability Support Services on their respective campus. The Coordinator will issue accommodations according to the functional limitations of the disability as they relate to the course requirements. Accommodations are modifications to the instructional setting such as extended time for exams, sign language interpreters, and adjustable tables.

Employment

Student Help/Work Study Positions

509.524.5230 - Walla Walla • 509.758.3339 - Clarkston

On campus and off campus student jobs are available through the co-located WorkSource office on the Walla Walla campus. Work-study positions are available to students who qualify to receive work study funds through the Financial Aid office. Other community and regional job opportunities are also posted online.

WorkSource

509.524.5230 - Walla Walla • 509.758.1716 - Clarkston
www.worksourcewa.com

Services include:

• Placement and referrals • Job listings • Job seeking skills
• Self-service computers and online labor market information

Food Service

509.527.4286 - Walla Walla • 509.758.3339 - Clarkston
www.wwcc.edu/cafe

The Walla Walla campus food service is offered through the Titus

Creek Café, located in the main building. Breakfast and lunch are prepared and served Monday through Friday between 8:00 a.m. and 1:30 p.m. The café is closed when school is not in session. Students and college staff may purchase meal tickets in amounts of $50, $25, or $15 at the Business Services counter. Snack items are also available in the Pit Stop, located in the Student Activities Center in the main building (Bldg. D).

Snake River Grounds campus café, located in the lobby in the main building on the Clarkston Campus, offers a wide variety of delicious food selections for both breakfast and lunch but their "HEART" is in their coffee. The staff strives to provide an uplifting atmosphere and are mindful of "The Power of Coffee!" and take pride in preparing every cup served. The hours of operation are Monday-Friday, 8:00 am to 2:00 pm when school is in session.

GED® Test Administration

509.527.4267 - Walla Walla • 509.758.3339 - Clarkston
www.wwcc.edu/testing

Walla Walla Community College is an official GED (General Educational Development) testing center. Students interested in the GED testing service must register for exams at www.ged.com. After successful completion of GED exams, a certificate is issued by the State of Washington for Washington residents. The GED testing fee is $30.00 per test.

Medical/Injury Insurance

509.527.4300 - Walla Walla • 509.758.3339 - Clarkston
www.4studenthealth.com

Reduced rates are available for student injury only insurance policies through Relation Insurance Services. Relation provides insurance coverage and program administration services for over 900 colleges and universities across the United States. Information can be obtained by visiting the website above.

Honors Program

509.527.4298 - Walla Walla • 509.758.1726 - Clarkston
www.wwcc.edu/honors

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, scholarship, and career advancement through uniquely challenging coursework and focused activities. The program is designed to be completed within an AA/AS degree pathway. Transcripts of Honors graduates indicate their achievement by listing the specific courses they took for Honors credits. 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.

Housing

509.527.4262 - Walla Walla • 509.758.1718 - Clarkston
www.wwcc.edu/housing

Walla Walla Community College does not have on-campus housing. Information for local real estate and property management firms, apartment complexes, and housing opportunities for the Walla Walla Campus can be found online at the link above.

Intercollegiate Athletics

509.527.4306 - Walla Walla
warriors.wwcc.edu

WWCC is a member of the Northwest Athletic Conference (NWAC) 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.

Sports Club at Clarkston

509.758.3339 - Clarkston

The Clarkston Campus Sports Club provides students with the opportunity to pursue individual and team sports. The Club meeting schedule is announced at the beginning of every quarter.

Library

509.527.4277 - Walla Walla, 509.758.1714 - Clarkston
M-Th 7:30am-5:30pm, F 7:30am-4:00pm
www.wwcc.edu/library

The Walla Walla and Clarkston campus libraries provide comprehensive collections and services for WWCC students, faculty, and staff. Both facilities provide computers and networked printing for academic purposes; study and listening/viewing space; "interlibrary loan" borrowing privileges from libraries throughout the country; reference help; and information skills/research/library instruction. Our libraries provide a relevant collection of resources to meet the academic needs of our campus community. This includes a print collection, DVDs, and an array of online databases that contain an array of resources from articles, reports, streaming media and more. The Libraries also offer an "Ask-a-Librarian 24/7 live chat service" this along with our and full text article/streaming video databases are available virtually anytime, anywhere.

We are here to help! Please visit the Library in person or online for more information about library services and access to resources.

Please note, when accessing databases, current WWCC students, faculty, and staff are prompted to login with their student/staff identification number (SID). The library provides on-site and remote access to digital, web-based resources.

Hours vary during the summer, between quarters, on no-class days, or if campus is closed due to inclement weather. Visit the Library website for current hours. Call 509.522.2500 in Walla Walla or 509.758.3339 in Clarkston for current information during closures.

Opportunity Grant

509.524.5191 - Walla Walla • 509.758.3339 - Clarkston
www.wwcc.edu/oppgrant

The Opportunity Grant program provides funding and resource services to Washington State resident students who meet financial eligibility requirements and are enrolled in identified high demand educational pathways.

Placement Testing

509.527.4267 - Walla Walla • 509.758.3339 - Clarkston
www.wwcc.edu/testing

To be placed into English, reading and math classes, there are

various measuring tools to assess which class the student should enroll in. New students should start the Placement Process by going to wwcc.edu/sip. Retakes are approved by the testing staff on a case-by-case basis and may cost an additional fee. Various documents may be reviewed for placement. Please contact the Testing Center for a list of approved documents eligible for placement evaluation.

Student Activities

509.527.4351 - Walla Walla • 509.758.3339 - Clarkston
https://studentlife.wwcc.edu/student-activities/

Students at Walla Walla Community College are encouraged to participate in programs and activities beyond the classroom. Events and activities are provided to assist students in pursuing a variety of interests, often at no cost. The WWCC Student Activities team provides many different activities throughout the year. If you are interested in volunteering or helping with various events, place contact the Student Activities office located in the Student Activity Center for more information or visit our website. News and events are available at the website listed above and on Social Media: Facebook, Twitter, & Instagram @wwccstudentlife and on Snapchat.

Student Government Association

509.527.4619 Walla Walla • 509.758.3339 Clarkston
https://studentlife.wwcc.edu/sga/

Elections for student body officers are held during the spring quarter each school year. Contact the ASG or Student Activities & Engagement office for details. Student Government is comprised of executive officers, student senators, and student assistants. News and events are available at the website listed above and on Social Media: Facebook, Twitter, Instagram and Snapchat.

Student Handbook

www.wwcc.edu/handbook

The College provides an online student handbook accessible to all students. The student handbook provides information regarding student services, college and academic resources, policies regarding conduct and academic standards, campus maps, and important dates.

Testing Center

509.527.4267 - Walla Walla • 509.758.3339 - Clarkston
www.wwcc.edu/testing

Professional staff members provide proctoring services for distance learning exams, make-up exams and other specialty exams including CLEP, TEASV and PearsonVUE. Open testing sessions are available Monday through Friday. Please call or email the contact information above or check on the website at www.wwcc.edu/testing for availability. The Walla Walla Campus Testing Center is located in Room 236, on the second floor of the Bldg. D on the Walla Walla campus.

The Testing Center at the Clarkston Campus is located in Room 117A.

Transportation

509.525.9140 - Walla Walla
509.527.3779 - Dial-A-Ride/Walla Walla
208.298-1340 - Clarkston
www.wwcc.edu/transportation

The Valley Transit bus system in Walla Walla provides transportation to/from the College throughout Walla Walla and College Place. On the Walla Walla campus, bus passes are available for purchase with the cashier in Business Services or via the Tokin Transit mobile app. Dial-A-Ride arrangements can be made for students with mobility disabilities in Walla Walla. The Columbia County Transit bus provides transportation for students between Pomeroy, Dayton, and Walla Walla and makes one drop-off and pick-up Monday – Friday in front of the Walla Walla campus main building.

The Clarkston campus is on the valley-wide transit line with a stop on Bridge Street in front of the campus. Contact the numbers above for route and schedule information.

TRIO/Student Support Services

509.527.4258 - Walla Walla • 509.751.4054 - Clarkston
www.wwcc.edu/trio

The TRiO Student Support Services program aims to increase student retention, graduation, and transfer rates for enrolled participants. Students must either be a first-generation college student (neither parent has graduated from a four-year college), eligible for Federal Financial Aid, or have a documented disability. Students must be pursuing an associate's degree at WWCC and/or planning to transfer to a four-year college. The program application is available at the SSS/TRiO Office or on the web at http://www.wwcc.edu/trio/application/.

Services provided by TRiO include:

- Academic, college/career, and personal advising
- Free one-to-one tutoring services
- Scholarship and financial aid planning and assistance
- Transfer planning to four-year colleges, including campus visits

Tutoring and Learning Center

509.524.5181 - Walla Walla • 509.751-1291 - Clarkston
www.wwcc.edu/tutoring

Students who need assistance with math, science, or writing may drop-in to the Tutoring and Learning Center (TLC) to receive help from a trained tutor. No appointment is necessary, and tutoring is free and available to all students. In Walla Walla, the Tutoring and Learning Center is located on the second floor of the main building (Bldg. D) in room 244. On the Clarkston Campus, the Tutoring and Learning Center is located on the main floor. Hours are updated each quarter on the WWCC website.

Nursing tutoring is also available for first and second year nursing students in the Health Sciences building in Walla Walla and in the TLC in Clarkston.

Veterans Affairs

509.527.1864 - Walla Walla • 509.758.1718 - Clarkston
www.wwcc.edu/vets
veterans@wwcc.edu

A veterans education benefit specialist is located on the Walla Walla Campus to assist veterans attending both the Walla Walla and Clarkston campuses with obtaining VA Education Benefits, including Tuition Assistance (TA). The Veterans Affairs office assists veterans/dependents/service members with the application process and monitors usage of education benefits and TA for compliance with Department of Veterans Affairs and DoD MOU policies and procedures. Eligible service members utilizing TA funding will be directed to speak with their Educational Service

Officer (ESO) or counselor within their Military Service prior to enrollment.

Veterans Benefits Approval Statement: Selected programs of study at Walla Walla Community College are approved by the Workforce Training and Education Coordinating Board's State Approving Agency (WTECB/SAA) for enrollment of those eligible to receive benefits under Title 38 and Title 10, USC.

Walla Walla Community College does not and will not provide any commission, bonus, or other incentive payment based directly or indirectly on success in securing enrollment or federal financial aid (including TA funds) to any persons or entities engaged in any student recruiting or admissions activities or in making decisions regarding the award of student financial assistance. The institution refrains from high-pressure recruitment tactics such as making multiple unsolicited contacts (3 or more), including by phone, email, or in-person, or engage in same-day recruitment and registration for the purpose of securing service member enrollments.

Compliance with VA's 85/15 Rule: Schools should limit student enrollment to 85% veteran enrollment per cohort. In the event that a veteran wishes to enroll in a class that has already reached the 85% cap, he or she may do that but will not be eligible for VA funding. Chapter 35 and 31 students may still enroll even if the 85 percent has been realized.

In accordance with Title 38 US Code 3679 subsection (e), this school adopts the following additional provisions for any students using U.S. Department of Veterans Affairs (VA) Post 9/11 G.I. Bill® (Ch. 33) or Veteran Readiness and Employment (Ch. 31) benefits, while payment to the institution is pending from the VA. This school will not:

- Prevent the students enrollment;
- Assess a late penalty fee to;
- Require student secure alternative or additional funding;
- Deny their access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution.

However, to qualify for this provision, such students may be required to:

- Produce the Certificate of Eligibility by the first day of class;
- Provide written request to be certified;
- Provide additional information needed to properly certify the enrollment as described in other institutional policies

Warrior's Locker – College Store

509.527.4255 - Walla Walla • 509.758.1701 - Clarkston
collegestore.wwcc.edu

In Walla Walla, the Warrior's Locker is open Monday-Friday from 7:30 a.m. to 4:30 p.m. In Clarkston, the Warrior's Locker is open Monday-Friday from 8:00 a.m. to 4:30 p.m. Summer hours may vary on both campuses.

Other services include:

- Warrior Espresso Bar & convenience store (Walla Walla)
- Apparel, logo merchandise, gifts and greeting cards
- Course materials & supplies
- Post Office with limited services (Walla Walla)
- ASB discount event ticket outlet
- Campus Ticket Office (Walla Walla)

WorkFirst

509.524.4790 - Walla Walla • 509.758.1711 - Clarkston
www.wwcc.edu/workfirst

WorkFirst provides education and training services for TANF (Temporary Assistance to Needy Families) recipients. WorkFirst Financial Aid/Tuition Assistance provides tuition, books and fees for students engaged in customized job skills training, post-employment training, Transitional Studies (ABE, GED®, and ESL), and vocational/work-based training. WorkFirst Tuition Assistance provides a bridge into training while other resources such as Pell grant are pending. Assistance to apply for other funding sources is provided.

Worker Retraining

509.529.1113 - Walla Walla • 509.758.1711 - Clarkston
www.wwcc.edu/wrt

Worker Retraining assists qualifying student enrolled in workforce training, adult basic education, or English language acquisition pathways. Eligibility categories include Unemployment Benefit recipients or those who have exhausted within the past 48 months, displaced homemakers, vulnerable or underemployed workers, formerly self-employed, and Veterans who have been discharged from the U.S. armed services within the past 48 months. Worker Retraining services include career exploration and career pathway planning, educational planning, screening for funding resources, and assistance with tuition, fees, and books while other resources such as Pell grant are pending.

Workforce Education Services (WES)

509.529.1113 - Walla Walla • 509.758.1711 - Clarkston
www.wwcc.edu/wes

Workforce Education Services (WES) provides educational and career navigation for students enrolled in workforce training pathways and/or basic education for high school completion, GED, and English language acquisition. WES programs include Basic Food Employment & Training, Perkins (one-on-one tutoring services), Worker Retraining, and WorkFirst. WES services promote up-front connections to resources and on-going support for students in workforce training pathways.

Services include:

- Career exploration and career pathway planning
- Educational planning including financial aid navigation, budgeting for college, and financial literacy
- Tuition assistance to bridge into training
- Support services available on a case-by-case basis

WSU Nursing @ WWCC

WSU offers Bachelors, Masters, and Doctoral Degrees in Nursing on-site at WWCC. The program courses are in various modalities including online and ITV. The Bachelor's degree is completely online with one on campus day requirement.

For information on pre-requisites, admission, financial aid, Walla Walla area clinical placements, or any administrative issues, please contact Heather Kriss at heather.kriss@wsu.edu, or 509.372.7168.

ADDITIONAL EDUCATIONAL OPPORTUNITIES

WALLA WALLA
COMMUNITY COLLEGE
Shape Your Future

Clarkston Campus

The Clarkston Campus 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 Bachelor Degree. The Clarkston Campus transfers students to multiple colleges - primarily 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
- Bachelor of Applied Science (BAS) In Agricultural Systems
- Bachelor of Applied Science (BAS) In Applied Management & Entrepreneurship

Adult Learning Campus

Career and Academic Preparation (CAP) including reading, writing, and math for adults. English Language Acquisition (ELA) is available as evening instruction for those needing to improve their English language skills.

Associated Student Body Clubs in Clarkston

Cultural Club • Second-Year Nursing
First-Year Nursing • Sports Club • Phi Beta Lambda
TRiO • Phi Theta Kappa Welding
For Information Call 509.758.3339

Professional Technical Degrees

- Accounting Technology
- Business Administration with Emphasis
  Administrative Assistant Emphasis
  Health Information Technology Emphasis
  Legal Information Technology Emphasis
  Business and Management
- Plant Operations - Mechanic
- Welding

Certificates

- Bookkeeping
- Industrial Maintenance Technology
- Medical Transcription
- Medical Billing Specialist
- Office Assistant
- Welding

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 first aid, nursing assistant, EMT, advanced EMT, phlebotomy, entrepreneurship workshops, and business workshops, and trades courses in welding and fabrication.

GED® Preparation

This program is designed to help students pass the four GED® tests; reasoning through Language Arts, Social Studies, Science, and the arts, and Mathematics. Spanish GED® tests are also available. The student must be a resident of Washington State, 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.

Health Science Education – 509.758.1702 – Clk

The following Health Science Education Programs are offered on the Clarkston campus:

Allied Health and Safety Education

- Nursing Asst. Cert.
- Emergency Medical Tech. Cert.
- Phlebotomy Cert.
- CPR, HIV/AIDS, First-Aid Certs.

Medical Assisting

- Medical Assisting Cert.

Nursing

- Associate in Nursing DTA/MRP degree which is accredited by the Accrediting Commission for Education in Nursing (ACEN).

Counseling – 509.758.1713 - Clk

Counseling, intervention and referral services are available to students.

Advising – 509.758.3339 - Clk

Advising is available to all degree- and certificate-seeking students on the Clarkston Campus. Advisors assist students using a variety of tools and assessments to determine appropriate educational and career pathways, and to develop quarterly class schedules that will lead to certificate and/or degree completion. However, the final responsibility for meeting all graduation requirements rests with the individual student. Call to schedule an appointment with an advisor.

Childcare On-Campus – 509.758.1779 – Clk

The Tender Care childcare center is open weekdays, 6:30 AM to 6:30 PM, for children infant one to six years old. Hours within the operating day are flexible to accommodate varying schedules.

TRiO/Student Support Services - 509.751.4054 – Clk

The Student Support Services program aims to increase student retention, graduation and transfer rates for 280 enrolled participants. Students must either be a first generation college student (neither parent has graduated from a four-year college), low income, or a student with a disability. Students must be pursuing an associate's degree at WWCC and planning to transfer to a four-year college after completing the associate's degree.

Some of the services provided by SSS/TRiO are:

- Personal, career, and academic advising
- Free one-to-one math and science tutorial services
- Scholarship and Financial Aid planning/monitoring

- Transfer planning to four-year colleges including campus visits
- Financial Literacy Education

The program application is available at the SSS/TRiO office or on the web at http://www.wwcc.edu/clarkston/trio/application

Tutoring – 509.758.1291 - Clk

Free drop-in tutoring is available in the Tutoring and Learning Center located on the main floor, Room 129, throughout the instructional day. Individual peer tutoring for TRiO students can be arranged with the TRiO advisor.

Information

Persons interested in knowing more about the Clarkston Campus are encouraged to visit the campus located at 1470 Bridge Street., or call: 509.758.3339.

Transitional Studies

509.524.4808 or 509.527.4646 (Adult Programs) – Walla Walla
509.527.4324 or 509.527.4304 (AEP/Open Doors Youth Re-Engagement) - Walla Walla
509.758.3339 (Adult Programs) - Clarkston

The Department of Transitional Studies provides a variety of program options for students who are preparing for entry into college level coursework, vocational-technical programs, and the workforce. Students are in a supportive, challenging environment that respects and honors diversity.

Transitional Studies offers courses and services to help students upgrade skills in reading, writing, communication, and mathematics. High school classes that meet Washington State graduation requirements are offered. Students may also prepare for the General Education Development (GED®) examination. Instruction in the English language for non-English speakers is available daily.

Classes are held on the main campus and at various sites throughout the College's service area. For more information, call the Transitional Studies Department 509.524.4808 or 509.527.4646 in Walla Walla and 509.758.3339 in Clarkston.

The following programs and courses are offered by the Department of Transitional Studies.

Career and Academic Preparation (CAP) offers a variety of courses and programs designed to build skills in reading, writing, oral communication, critical thinking, technology, and mathematics so adults can transition to workforce training or academic transfer programs. Students are prepared to earn Adult High School 21+ Diploma or General Education Development (GED®) and/or increase English Language Skills. CAP programs provide students with an opportunity to build on prior experience as they grow academic skills and establish supports needed to achieve their goals. On-going pre- and post-CASAS assessment is required. Class fees are $25 per quarter.

Adult High School Completion (HS+) is a competency-based high school diploma designed for adult learners (19 and older) who do not have a High School (HS) diploma or have GED® and wish to complete the High School Diploma requirements. This program encourages lifelong learning and prepares students to transition into I-BEST or other college programs to further training and education, or to acquire family-wage jobs.

GED® preparation classes are designed for individuals who wish to prepare for the college entrance exam or for the four subject tests included on the General Educational Development (GED®) exam. Courses integrate content from the following subject areas: reasoning through language arts; science; social studies; and mathematical reasoning.

Pre-college classes provide a learning environment that assists students in developing skills and confidence that lead to academic and vocational success. Pre-college classes include Reading, English and Math.

Program completion

The time required to complete the course depends on individual learning needs. A student can be co-enrolled in a degree or certificate program. Students who complete college classes normally experience higher skill achievement and greater success in academic and vocational classes as well as increase their potential for greater earning power in the workforce.

I-BEST - Integrated Basic Education Skills pathway training programs are designed for students to improve their English language or basic skills while earning college-level certificates or two-year degrees. In the I-BEST program, classes are team taught by one content instructor and one basic skills instructor providing additional academic support in college courses. Each I-BEST program includes the opportunity to build reading, math, and English skills through basic skills and development levels with the goal of reaching college level and earning work ready certificates and degrees. I-BEST students meet at least one of the following criteria:

- Students test below college level in reading or math on the CASAS and meet the minimum score requirement;
- Students don't have their high school diploma or GED® and meet the minimum score requirement;
- Students who have their high school diploma or GED® but may have been out of school for a long period of time and test below college level on CASAS or other college placement assessment in reading or math, and would like extra support in the classroom.

Offerings for IBEST include:

- Pre-nursing Assistant and Nursing Assistant
- Early Childhood Education
- Energy Systems Technology

English Language Acquisition

English Language Acquisition (ELA) classes are offered to limited English proficient students to develop communication skills, function effectively in jobs, pursue a higher degree, and participate as members of the community. Course pathways include Adult High School completion, GED® tests, college, or current or future work. Students enrolled in IDEA (Integrated Digital English Acceleration) courses learn English as well as college and workplace skills. Classes may be taught using a team-teaching model to facilitate classroom and on-line learning.

Alternative Education Program/ Open Doors Youth Re-Engagement

The Alternative Education Program/ Open Doors Youth Re-Engagement program is a partnership with local school districts to provide high

school completion opportunities to youth ages 16-20. Students enrolling in the Open Doors Youth Re-Engagement programs are referred from their local school and meet state outlined entrance requirements. Once the referral is made, students meet with High School Programs staff to complete the intake process. All students must take a placement test prior to registration. For more information please contact the High School Programs staff.

Intensive English Language Program (IELP)

Walla Walla Community College's Intensive English Language Program (IELP) supports international students who are preparing to study in a U.S. college/university or assists them in reaching their personal or career goals.

Classes are small and interactive. Most students who complete the Intensive English Language Program enroll in the 2 + 2 Transfer Program and then transfer to universities across the United States.

Pre-College Studies

Courses are offered in reading, writing, math, and First Year Experiencee. Coursework prepares students for success in college level courses and professional technical programs. Students are placed in the appropriate course after being assessed by ACCUPLACER in reading, writing, and math in addition to multiple measure assessments. Check the tuition and fee schedule available online.

eLearning

eLearning courses offer students a flexible alternative to on-campus classes. Students participate in the course at a time, and from a place most convenient to them. eLearning students can be students seeking to earn their AA Degree entirely online to those in the workplace looking to take one or two classes for career development. To look for courses available online, search the eSchedule, filtering for "eLearning" or contact your advisor.

Evening College

Evening College on the Walla Walla campus is open M-Th from 4:30 p.m. - 8:00 p.m. during the academic year. Many of our evening classes are offered in a hybrid format (meeting one night per week while the remainder of the course work is online) to provide students with more course options in the evening. Students needing more flexibility to attend school find they can often take two or three classes by combining both hybrid evening and online courses. Course work is available in Business Transfer, as well as selected other degree pathways. To find available Evening Colleges courses, search the eSchedule, filtering the time for courses starting after "4:30 pm" or contact your advisor.

Dual Credit Programs

Students attend college-level courses while enrolled in high school. Students become eligible for transcribed college credit based on Walla Walla Community College program criteria. These dual credit courses become a part of a student's pathway shortening the amount of time it takes to progress through the college postsecondary system.

Running Start

509.527.4262 - Walla Walla • 509.758.3339 - Clarkston

The Running Start program provides an opportunity for juniors and seniors in public high schools to enroll in courses at WWCC. This program provides eligible students an opportunity to attend college courses and earn college credits while completing high school graduation requirements. Home-schooled and private school students must enroll in a public high school to participate in this program. Running Start students qualify by completing the placement assessment process and placing/testing into college level course work. Once determined eligible, students must meet with their high school counselor, in addition to a WWCC advisor to identify and enroll in appropriate courses. Running Start students are required to pay quarterly fees and provide their own textbooks. Students may qualify for fee waivers and textbook assistance by providing documentation to their Running Start advisor by the first day of the quarter.

CTE Dual Credit

509.527.1876 - Walla Walla • 509.758.3339 - Clarkston

Career and Technical Education (CTE) Dual Credit program emphasizes a rigorous and focused course of study that includes academic and workplace skills. High school students simultaneously earn course credit at their local high school/skills center and at WWCC. The approved course is taught on the high school campus by a qualified CTE high school instructor whose curriculum is equivalent to the matching college professional technical course. To earn college course credit, high school students must enroll in an approved high school course and successfully complete the course requirements with a "B or above". After these requirements are met, the student who chooses to have the CTE Dual Credit transcribed at WWCC should complete a "Request Transcribed Credit" online form available on the College website. After the request has been approved by WWCC staff, the credits will be placed on a WWCC transcript.

College in the High School

509.529.5553 - Walla Walla • 509.758.3339 - Clarkston

College in the High School is a program for academically capable high school students to take college courses on the high school campus at a reduced tuition rate. Participating qualified high school teachers deliver a quarter long WWCC course over one semester or one year, based on the high school's academic calendar. The high school teachers work closely with WWCC faculty liaisons to ensure that the work their students perform in the high school course is equivalent to the comparable course taught on the College campus. Course prerequisites apply, and WWCC can assist with placement tests when needed. This program allows students to accelerate their academic studies without sacrificing their high school experience or impacting school, sport, or club participation. Student are co-enrolled at the high school and WWCC, which provides the opportunity to fulfill college and high school course credit requirements at the same time. All grades are automatically transcribed at WWCC at the conclusion of the course.

COMMUNITY CONNECTIONS

WALLA WALLA
COMMUNITY COLLEGE
Shape Your Future

Agriculture & Natural Resource Center of Excellence

The Agriculture & Natural Resource Center of Excellence is one of 11 Centers of Excellence in Washington designed to collaborate with business, industry, and the educational system to develop a highly-skilled workforce, which is critical to the success of the economy and families of Washington State. The Center serves as a resource for gathering educational pathways information, support in development of degree/certificate programs, creation of industry-specific skill standards, and knowledge of best practices. It strives to foster a culture of cooperation within the agriculture and natural resource industries and collegiate communities to develop and maintain an advantageous interconnectedness of the State's economy, workforce development, and educational systems. www.agcenterofexcellence.com.

The Institute for Enology and Viticulture

The Institute was established in January 2000 to provide students with hands-on experience in growing high-quality wine grapes and making premium wine at commercial scale, as well as wine sales and marketing. It is home to one of the first licensed and bonded teaching wineries at a community college in the United States. The Institute also houses a certified grape juice and wine testing laboratory (ETS Laboratories). Located near the Institute are seven-acres of estate vineyards, which has over 15 different grape varieties and is used to teach viticulture management. Grapes from the estate vineyard make up the majority of wine produced by College Cellars.

The Institute for Enology and Viticulture offers courses that allow students to earn certificates in Viticulture and in Fermentation Science, an Associate degree in Applied Arts and Sciences in Enology & Viticulture, and a transfer Associate Degree in Applied Arts and Sciences in Enology & Viticulture. Students may also choose to earn a Cellar Master - Short Certificate the Energy Systems department.

Courses are tailored to meet the specific needs of the wine industry with special emphasis given to Washington grape varieties and wines. The Institute also offers industry-focused seminars throughout the year to meet the educational needs of the Pacific Northwest wine industry. For additional information, interested students should contact: 509.524-5170.

Continuing Education

The Department of Continuing Education provides programs that serve the community by offering a wide range of courses at a reasonable cost; a place where anyone can learn and grow in a relaxed and fun environment with no tests, grades, or credits. Personal enrichment and professional development opportunities are available for all ages. Most programs are taught by community members who are experts in their fields. Classes differ in length from one evening to 10 weeks. Costs vary by class. Visit our website www.wwcc.edu/community or call 509.527.4331 for more information.

Community Education

Community Education is for everyone! This is a place you can take up a new hobby, study another language, get up to speed with technology, and much more. You will find learning opportunities designed the way you like them - relaxed and fun. Choose from cooking classes, wine knowledge development, health/fitness classes, art classes, business and professional development, dog training classes, and more.

Quest

Quest is a membership-driven institute for lifelong learners 50+ years of age. It is stress-free learning offered in friendly, sociable settings that encourages socializing and active participation in classes and activities. Join Quest and build friendships, develop new skills, increase your knowledge, and share the journey with like-minded peers. Classes and activities range from the academic to the artistic and include topics such as literary arts, humanities, health and wellness, science, technology, arts and music, personal enrichment, and more. Curiosity is the only prerequisite!

Kids College & Youth Classes

Our youth classes provide a fun and enriching college experience for kids and teens ages 4-19 during the summer months. Kids College is held every year in the month of June and gives kids ages 9-12 the opportunity to choose their own classes and attend college for one week in the afternoons. Other youth classes are offered throughout the year in addition to Kids College. Topic areas include art, business, cooking, technology, babysitting, sports/fitness, science, and more.

Allied Health & Safety Education

Allied Health & Safety Education (AHSE) supports a variety of educational, personal enrichment, and career development goals in the field of health and safety. These classes are for academic credit. The clientele served by AHSE consists of 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. Choose from Fire Science, CPR, First Aid, Phlebotomy, and more.

Leadership Walla Walla

Leadership Walla Walla is designed for those who actively participate in community roles and have a desire to increase their community involvement and pursue leadership positions. Leadership Walla Walla builds civic awareness and leadership skills through monthly all-day sessions running September through May.

Nonprofit and Community Learning Center

The Nonprofit and Community Learning Center, sponsored by WWCC Department of Continuing Education and Sherwood Trust, exists to provide networking, education, and ongoing training to nonprofit staff, board members, and community members on ways to be involved in strengthening local organizations and communities throughout our region.

Ed2Go Noncredit Online Classes & Certificate Programs

Learn anywhere, anytime. Ed2Go offers a wide selection of personal enrichment, professional enhancement, and career training courses. Our online courses offer the flexibility and convenience to study whenever and wherever you choose, making it easy to learn and work even with a busy schedule.

Contract Training

We know that skilled employees are a key factor to economic success. Whether it's upgrading the skills of current employees or training for new employees, we can help! We offer flexible, competitively-priced custom training options to almost any type of business, association or institution.

Community Engagement

Community Engagement focuses on continually Innovating and Improving our connections with the community, as well as making WWCC accessible and of service to the public. Here, you can coordinate venue rentals and catering for your special event, learn about WWCC's services and programs, schedule a visit to our campus, or invite us to partner with you on events like college and career fairs. Visit our website www.wwcc.edu/community or call 509.527.4331.

Campus Events & Venue Rentals

Special events become even more special when you host them at Walla Walla Community College. We seek to Increase opportunities for collaboration and coordination through the rental use of our facilities and offer a wide range of settings for your next event or meeting at competitive rates.

Catering

Our professional catering services support our Culinary Arts program, Wine Country Culinary Institute (WCCI). WCCI provides convenient and affordable catering service to on-campus meetings, workshops, and other special events.

Welcome Center & Outreach

The Welcome Center and Outreach team serve as the main point of contact for Walla Walla Community College, managing its Welcome Center, main switchboard and Lost & Found and organizing the College's recruitment efforts. The Welcome Center is intended to facilitate interactions with the college and to serve as a community resource to help students, parents, and the public connect with WWCC. We offer campus tours to individuals and groups, provide information to support student success, organize opportunities for potential students and community members to learn about the college and participate in college and career fairs. Let Walla Walla Community College show you why it will be your best choice.

Foundation

The Walla Walla Community College Foundation is an independent 501(c)(3) non-profit organization. Our sole mission is to ensure access to all students and educational excellence at Walla Walla Community College. We do this by providing scholarships and emergency assistance to WWCC students, strengthening the work and services of the college, and making strategic investments to ensure that WWCC programs are "best-in-class." The Foundation raises community support from individuals, businesses, and private foundations in order to guarantee that any student, regardless of income status, can have the chance to improve their lives through education at WWCC.

William A. Grant Water & Environmental Center (WEC)

The William A. Grant Water & Environmental Center (WEC) is a unique college and community facility whose mission is to serve as a place where people with diverse interests and values can learn, share knowledge and work together to create a healthy and sustainable natural environment and thriving local economies. The WEC supports stakeholders working to resolve complex water and environmental issues and concerns, while also serving as a place of collaborative learning, research and stewardship.

The WEC coordinates the WWCC the Irrigation Management degree program plus four 2+2 degree programs in natural resources that transfer to WSU. In addition, the WEC provides work, meeting space and support services for five co-located partners: Confederated Tribes of the Umatilla Indian Reservation; Sustainable Living Center; UNIBEST International; Department of Ecology Watermaster; and Walla Walla Watershed Management Partnership. The WEC also hosts meetings and events for numerous collaborating partners, and conducts collaborative community and youth education programs such as Make a Splash! and the Return to the River Salmon Festival.

DEGREES

WALLA WALLA
COMMUNITY COLLEGE

Shape Your Future

Transfer Degrees Summary Chart

For all transfer options listed below, students should contact the transfer institution for any additional requirements, procedures for admission, and to determine an appropriate education plan.

DEGREE	DESCRIPTION	CREDITS
Associate in Arts – DTA*	Designed to fulfill general education requirements at Washington State baccalaureate institutions.	**90**
Associate in Science – Option I	Designed for students majoring in biological sciences, chemistry, geology, environmental/resource science, & earth science.	**90**
Associate in Science – Option II	Designed for students majoring in engineering, computer science, physics, & atmospheric sciences.	**90**
Associate in Biology – DTA/MRP**	Designed to streamline and facilitate preparation for upper division coursework in Biology at many baccalaureate institutions in Washington state.	**90**
Associate in Business – DTA/MRP**	For students transferring to a baccalaureate institution to major in business.	**93 or more**
Associate in Math Education – DTA/MRP**	For students planning to major in secondary math education at a baccalaureate institution.	**90**
Associate in Nursing – DTA/MRP**	Completion of this degree allows a student to be eligible to take the National Council Licensure Examination-Registered Nurse (NCLEX-RN) for licensure as a Registered Nurse. Passing the NCLEX-RN exam and completion of this transfer degree provide the general education and nursing courses for direct transfer with only one additional year of study to complete the Bachelor of Science in Nursing (RN-to-BSN pathway).	**135**

***DTA stands for Direct Transfer Agreement. **MRP stands for Major Related Program.**

Associate in Applied Science-Transfer Degrees Summary Chart

AAS-T degrees are dual purpose degrees intended to prepare students for employment in specific fields and for transfer to specific baccalaureate degree programs.

AAS-T degree generally will not be accepted in transfer in preparation for bachelor degree programs in the same way the Associate degrees listed above are. While the general education component will transfer, it may not satisfy all the general education components at a baccalaureate institution. Each degree has a specific articulation with specific schools. Please see the individual department websites for information regarding articulation agreements for the degrees listed below.

DEGREE		CREDITS
AAS T Agricultural Business		**115**
AAS T Agricultural Business and Economics		**100**
AAS T Agriculture Education		**105**
AAS T Agricultural Science and Technology – Food Science		**105**
AAS T Agricultural Science and Technology – Organic Agriculture		**110**
AAS T Agricultural Technology and Production Management		**115**
AAS T Animal Science – Animal Management		**108**
AAS T Animal Science – Pre Veterinary		**108**
AAS T Criminal Justice		**91**
AAS T Early Childhood Education		**91**
AAS T Enology and Viticulture		**117**
AAS T Human and Social Services		**91-108**
AAS T Plant Operations		**97-132**
AAS T Plant and Soil Science		**109**
AAS T Turf Management		**114**
AAS T Watershed Ecology – Earth Sciences		**101**
AAS T Watershed Ecology – Environmental and Ecosystem Sciences		**106**
AAS T Watershed Ecology – Forestry		**96**
AAS T Watershed Ecology – Wildlife Ecology and Conversation Science		**96**

Each degree includes areas of study representing the breadth requirements to be completed. By completing these courses, students will develop skills and understanding related to the College wide outcomes -- communication, critical thinking, information/technology, and community engagement -- that shape the overall objectives of each degree.

Residence Requirements

A minimum of 30 credits that apply toward the degree earned at WWCC, and;

A minimum of two (2) quarters enrolled at WWCC, and;

Last 12 credits to be earned in Professional-Technical programs at WWCC unless waived by the Vice President of Instruction. This requirement does not apply to students earning transfer degrees [Associate of Arts degrees (AA), Associate of Science-Transfer degrees (AS-T), Major Related Program Direct Transfer Agreements (MRP/DTA)].

Students who leave WWCC without a transfer degree may transfer the required remaining credits from an accredited college back to WWCC to have their degree posted. Students need to meet the above requirements and send an official transcript from the transfer college to WWCC. For more information, please contact the Office of Admissions and Registrar.

Transfer Policy and Information

Walla Walla Community College offers courses in most academic areas. These courses meet requirements for associates' degrees and will transfer to baccalaureate institutions within guidelines established by those schools. The courses and degrees offered are designed to enable the student to make a successful transition to a baccalaureate institution. Students who plan to transfer to a specific college or university should work with a transfer advisor both at the community college and at the baccalaureate institution they plan to attend.

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 their intended transfer school.

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

Ultimately, it is the student's responsibility to become knowledgeable about the admission and graduation requirements of the baccalaureate institution he or she plans to attend.

For more information about transfer programs, contact Advising and Counseling (509.527.4262) or the Transfer Center (509.527.3679) in Walla Walla and (509.758.1721) in Clarkston.

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 or the office of Admissions and Registrar.

Washington Reverse Articulation Program

Washington Community and Technical Colleges (CTC) have developed and adapted the following guidelines for reciprocity of transfer coursework from the Washington State Public Baccalaureates. If a student transfers an individual course that meets a Communication Skills, Quantitative Skills, or Distribution Requirement at the sending baccalaureate-granting institution for a specific bachelor's degree, that course is considered to have met that same requirement at the receiving CTC for an associate's degree, even if this course does not have an exact equivalent and even if the course credit is awarded through prior learning credit or completed at the 300 or 400 level.

If a student transfers an individual course that meets a Diversity Requirement at the sending baccalaureate-granting institution for a specific bachelor's degree, that course is considered to have met that requirement at the receiving CTC for a specific associate's degree, even if this course does not have an exact equivalent and even if the course credit is awarded through prior learning credit.

The receiving college retains the right to impose unique, local prerequisite and graduation requirements. Such requirements may include but are not limited to learning communities/ coordinated studies requirements, writing-intensive course requirements, and/or physical education/health requirements.

Transfer Rights and Responsibilities

Source: www.wsac.wa.gov

Student Rights and Responsibilities

Students have the right to clear, accurate, and current information about their transfer admission requirements, transfer admission deadlines, degree requirements, and transfer policies that include course equivalencies.

Transfer and freshman-entry students have the right to expect comparable standards for regular admission to programs and comparable program requirements.

Students have the right to seek clarification regarding their transfer evaluation and may request the reconsideration of any aspect of that evaluation. In response, the college will follow established practices and processes for reviewing its transfer credit decisions.

Students who encounter other transfer difficulties have the right to seek resolution. Each Institution will have a defined process for resolution that is published and readily available to students.

Students have the responsibility to complete all materials required for admission and to submit the application on or before the published deadlines.

Students have the responsibility to plan their courses of study by referring to the specific published degree requirements of the college or academic program in which they intend to earn a bachelor's degree.

When a student changes a major or degree program, the student assumes full responsibility for meeting the new requirements.

Students who complete the general education requirements at any public four-year institution of higher education in Washington, when admitted to another public four-year institution, will have met the lower division general education requirements of the institution to which they transfer.

College and University Rights and Responsibilities

Colleges and universities have the right and authority to determine program requirements and course offerings In accordance with their institutional missions.

Colleges and universities have the responsibility to communicate and publish their requirements and course offerings to students and the public, including information about student transfer rights and responsibilities.

Colleges and universities have the responsibility to communicate their admission and transfer related decisions to students in writing (electronic or paper).

If the college determines a student has completed a degree or certificate, the college has the right to confer that degree onto the student's record.

Transfer Agreements

Direct Transfer Agreements with Baccalaureate Institutions

The baccalaureate (four-year) colleges and universities in Washington state listed below subscribe to the Inter-college Relations Commissions (ICRC) Guidelines for Direct Transfer Agreement (DTA). The DTA associates' degrees are recognized as fulfilling most, if not all, of the general education requirements for these institutions. Students who complete a DTA will normally be granted junior standing upon admission. Students should check with their intended transfer institution for further details regarding any additional general education, major prerequisites and admission requirements. This list is subject to change. See your advisor for updated information and details of transfer.

Bastyr University
Central Washington University
City University
Cornish College of the Arts
Eastern Washington University
The Evergreen State College
Gonzaga University
Heritage University
Northwest Indian College
Northwest University
Pacific Lutheran University
Saint Martin's University
Seattle Pacific University
Seattle University
University of Washington
UW - Bothell
UW - Tacoma
Washington State University
WSU - Tri-Cities
WSU - Vancouver
Western Governors University
Western Washington University
Whitworth College

Other Transfer Agreements

Walla Walla Community College has articulation agreements with a number of baccalaureate institutions such as Central Washington University, Eastern Oregon University, Lewis-Clark State College, University of Idaho, Washington State University, Oregon State University, and Western Governors University. For the most accurate list of all transfer agreements, visit www.wwcc.edu/transfer or call the Transfer Center at: 509.527.4262

Major Related Program Agreements (MRP)

To help transfer students better prepare for the junior year, two-year and baccalaureate institutions work together to create transfer associate pathways outlining the appropriate courses for students to be well prepared to enter the major upon transfer. Major Related Program (MRP) pathways follow one of the two statewide transfer agreements - the DTA format or the Associate in Science (AS-T) format. (See Transfer Degrees Summary Chart for a list of MRP'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-DTA), a student must complete at least 90 credit hours in designated 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 90 credits should be fully transferrable 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 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 a department advisor, Advising and Counseling staff, and an advisor at the baccalaureate institution where they plan to transfer.

AA-DTA Degree Requirements

Communications	[C] 13 credits	
*Diversity	[D]	
Humanities	[H][HP]	15 credits
Natural Science	[NS] 15 credits	
Quantitative Skills	[Q] 5 credits	
Social Science	[SS] 15 credits	
Physical Education	[PE] 3 credits	
Electives	24 credits	
AA-DTA Degree Total		**90 credits**

*This is met through distribution areas and does not increase the # of credits required for the degree. (See Diversity Requirements)

See the AA-DTA Master List of Transferable Courses for specific details

Important Requirements for the AA-DTA Degree

Intermediate Algebra Proficiency

All students must be proficient in intermediate algebra. This requirement may be satisfied by completion of high school mathematics through second year algebra (as determined by WWCC Math Department review of HS transcript), by course challenge or other placement examination demonstrating mastery of intermediate algebra skills, or by completion of an intermediate algebra course equivalent to MATH 78 with a minimum grade of C or a mathematics course for which intermediate algebra is a prerequisite.

Electives - 24 credits

Other college-level courses, of which a maximum of 15 credits may be in college-level as defined by WWCC and 9 credits must be fully transferable as defined by the receiving Institution (please see Master List of Transferable Courses).

Diversity Requirement for the AA-DTA

The diversity requirement is in support of the values of our college. Courses meeting the WWCC Diversity requirement are distributed throughout the General Education categories and are double-designated with other distribution requirements.

All approved "[D]" Diversity courses:

ART 124	Women Artists in History
CMST 201	Intercultural Communications
DRAM 281	Beginning Playwriting
ENGL 147	Comics as Literature
ENGL 210	Myth and Folklore
ENGL&244	American Literature I
ENGL 251	Voices of Women in Literature
ENGL&254	World Literature I
GWST 107	Gender Perceptions in American Films
GWST 124	Women Artists in History
GWST 180	Human Sexuality
GWST 200	Introduction to Women's Studies
GWST 215	Women in U.S. History (formerly WST 280)
GWST 220	Gender & Society
GWST 251	Voices of Women in Literature
HIST 105	Roots of World Issues
HIST 215	Women in U.S. History
HIST 250	Introduction to Latin America
HPER 268	Diversity in Sports
HUM 107	Gender Perceptions in American Film
HUM 109	World Arts and Culture
HUM 110	Four Perspectives
MUSC& 105	Music Appreciation
PHIL 103	Asian Philosophy
PHIL& 115	Critical Thinking
PSYC& 180	Human Sexuality
PSYC 205	Social Psychology
SOC& 101	Introduction to Sociology
SOC 205	Racial and Ethnic Relations
SOC 206	Social Gerontology and the Aging Revolution
SOC 208	Sociology of Intimate and Family Relations
SOC 220	Gender & Society

Course Designators For Degree Requirements

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

Communications	[C]
Diversity	[D]
Humanities	[H]
Humanities - Performing/Fine Arts	[HP]
Natural Science	[NS]
Quantitative Skills	[Q]
Physical Education	[PE]
Social Science	[SS]

Note: Courses that are denoted with an "&" behind the department code are commonly shared among Washington community and technical colleges. Ex. ENGL& 101

Associate in Science Transfer Degree

The Associate in Science Transfer Degree is intended for students majoring in science who wish to transfer to baccalaureate institutions in Washington. Two different options are offered: 1) biological science, chemistry, geology, environmental/resource sciences, and earth science and 2) computer science, physics, atmospheric science, and engineering. This degree allows students to concentrate on fulfilling pre-major coursework in their intended field of study.

A cumulative GPA of 2.0 or higher is required for successful completion of this degree.

Coursework is concentrated in specific mathematic and science 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 an appropriate educational plan.

Bachelor of Applied Science Degree

A Bachelor of Applied Science (BAS) Degree adds junior and senior level coursework to two-year professional technical degrees. is designed primarily for students planning to Upon completion, students can enter the workforce or continue their education at the graduate level. Requirements include the following:

Achieved at least an associate-level degree prior to beginning a BAS degree program.

- A minimum of 180 quarter credits in an approved program.
- Last 12 credits to be earned at WWCC unless waived by the Vice President of Instruction.
- A minimum of 30 upper division quarter credits within the specified program must be taken in residence.
- A cumulative GPA of 2.0.
- A minimum of 60 credits in general education 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.

Associate in Applied Sciences Degree

An Associate in Applied Sciences (AAS) 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.
- Last 12 credits to be earned at WWCC unless waived by the Vice President of Instruction.
- A minimum of 30 quarter credits within the specified program must be taken in residence.
- A cumulative GPA of 2.0.
- A minimum of 15 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: 15 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/workforce program course sequence. Some courses satisfy multiple requirements. Courses utilize the following initials:

W = Written Communications
M = Computation/Mathematics
R = Human Relations
O = Oral Communications

WRITTEN COMMUNICATIONS (W):

Course options:

ENGL& 101 .....English Composition I
ENGL&102 .....English Composition II
AENG 100 .....Writing for the Workplace

COMPUTATION / MATHEMATICS (M):

Students should check with their advisor for the minimum level of computation required in their program. Course options:

BUS 112.....Business Mathematics
AMATH 105 .....Introduction to Quantitative Problem Solving for the Trades
AMATH 106 .....Quantitative Problem Solving for the Trades I
AMATH 107 .....Quantitative Problem Solving for the Trades II
MATH&107 .....Math in Society
MATH&141 .....PreCalculus I
MATH&146 .....Intro to Statistics

HUMAN RELATIONS (R):

Course options:

ACOM 102 .....Communication in the Workplace
CMST& 210.....Interpersonal Communications
CMST& 220 .....Public Speaking
BUS 157.....Human Relations in Business
PSYC& 100.....General Psychology
WMT 135.....Issues in Ag and Natural Resources

ORAL COMMUNICATIONS:

Course options:

ACOM 102 .....Communication in the Workplace
CMST 201.....Intercultural Communication
CMST& 210.....Interpersonal Communications
CMST& 220.....Public Speaking

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 is completed in one quarter (or fewer). Students must complete with a "C" average in order to be awarded the certificate or endorsement. Refer to the appropriate program for sequence information.

Workforce Program 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 degree, the Associate in Applied 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.

AA-Direct Transfer Agreement Associate in Arts Degree

Students are required to earn a minimum of 90 college-level credits with a 2.0 grade point average to graduate. A minimum of 63 credits of general education/core courses is required.

Residence Requirements for Transfer Degrees:

- A minimum of 30 credits that apply toward the degree earned at WWCC.

Course Designators and Requirements

- **COMMUNICATIONS [C]**
  At least 13 credits, including ENGL&101, ENGL&102 or ENGL&235, and a Communications Studies course.
- **HUMANITIES [H] [HP]**
  A minimum of 15 credits from three different subject areas. One course must be from the English Literature courses listed under the Humanities section. Only 5 credits allowed in Modern Languages. Only 5 credits allowed in Performance/Fine Arts.
- **SOCIAL SCIENCE [SS]**
  A minimum of 15 credits from three different subject areas. One course must be from Anthropology, Psychology, Sociology, or History.
- **QUANTITATIVE SKILLS [Q]**
  5 credits. Each of these courses requires a prerequisite of Intermediate Algebra proficiency. Please see the college catalog for specific prerequisite course numbers.
- **PHYSICAL ED [PE]**
  Three (3) activity credits required. Waived by physician recommendation only. A maximum of three (3) Physical Education Activity credits are allowed in the degree. Military service may satisfy this requirement.
- **NATURAL SCIENCE [NS]**
  A minimum of 15 credits from two different subject areas. One course must have a lab. Only 5 credits in Math allowed. Under Biology courses, Anatomy & Physiology, Botany, Ecology, and Zoology each count as different subject areas.
- **ELECTIVES**
  24 credits total. Nine credits must be fully transferable as defined by the ICRC* guidelines. All courses listed in the Master List of Transfer Courses meet this criteria. A maximum of 15 credits college-level/restricted elective courses allowed. Preparation courses for the major may be included in this course work. Students should consult with their advisor and intended transfer institution for transferability of courses.

  Ⓓ **Diversity:** One diversity Ⓓ course is required for degree completion. Courses meeting the WWCC Diversity requirement are distributed throughout the general education categories and are double-designated with other distribution requirements.

Note: not all classes are offered every quarter.
**Intercollegiate Relations Commission*

My Plan

You can access your academic plan created by your advisor through MyWWCC -> Advising/Registration -> Planned Schedules. Check your degree progress via Degree Audit. Go to MyWWCC -> Academics tab -> Degree Audit.

Communications [C] • 13 Credits

☐	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Humanities [H] [HP] • 15 Credits

☐	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Social Science [SS] • 15 Credits

☐	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Quantitative Skills [Q] • 5 Credits

☐	COURSE	CREDITS	GRADE

Natural Science [NS] • 15 Credits

☐	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Physical Activities [PE] • 3 Credits

☐	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Electives • 24 Credits

☐	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE
☐	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Ⓓ Diversity • 1 Course

☐	COURSE	CREDITS	GRADE

Notes

Course Placements: Reading _____ English _____ Math _____

Associate in Science Degree - Option I

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

Students are required to earn a minimum of 90 college-level credits with a 2.0 grade point average to graduate. A minimum of 63 credits of general education/core courses is required.

Important Notice:

The Associate in Science Transfer (AS-T) Degree, Option I is designed to prepare students for upper division study in the areas of Biological Sciences, Environmental/Resource Sciences, Chemistry, Geology, and Earth Science. Completing the AS-T degree will prepare students for upper division study; it does not guarantee students admission to the major.

Students completing this AS-T will receive the same priority consideration for admission to the baccalaureate institution as they would for completing the Associate in Arts DTA Degree and will be given junior status by the receiving institution. Additional general education requirements, cultural diversity requirements, and foreign language requirements, as required by the transfer institution, must be met prior to the completion of a baccalaureate degree. Students need to meet with department advisors at the baccalaureate institution to determine an appropriate educational plan.

Residence Requirements for Transfer Degrees:

- A minimum of 30 credits that apply toward the degree earned at WWCC.

Course Designators and Requirements

- **NATURAL SCIENCE [NS]**
  30 credits required. Sequences should not be broken up between institutions.
  - Biology or Physics Sequence • 15 credits
    Note: *Some schools require calculus based Physics for the major. Consult with receiving transfer institution.*
    Choose one of the following sequences:

    BIOL& 211, Majors Cellular
    BIOL& 212, Majors Animal
    BIOL& 213, Majors Plant

    or

    PHYS& 114, College Physics I
    PHYS& 115, College Physics II
    PHYS& 116, College Physics III

    or

    PHYS& 221, Engr Physics I w/Lab
    PHYS& 222, Engr Physics II w/Lab
    PHYS& 223, Engr Physics III w/Lab

    and
  - Chemistry Sequence • 15 credits
    CHEM& 161, General Chemistry I with lab
    CHEM& 162, General Chemistry II with lab
    CHEM& 163, General Chemistry III with lab
  - 10-15 credits in Physics, Geology, Organic Chemistry, Biology, or Mathematics, consisting of courses normally taken for science majors (not for general education), preferably in a 2 or 3 quarter sequence.
- **COMMUNICATIONS [C]**
- **QUANTITATIVE SKILLS [Q]**
  At least 15 credits in courses at or above introductory calculus level (includes Introduction to Statistics).
- **HUMANITIES & SOCIAL SCIENCE [H] [HP] [SS]**
  - Minimum of 15 credits required. 5 credits in Humanities, 5 credits in Social Sciences, and an additional 5 credits in either Humanities or Social Sciences.
  - No more than 5 credits allowed in 100 level Modern Languages.
  - Up to 5 credits allowed in Performance/Fine Arts.
    Note: *Courses taken to meet the Humanities and Social Sciences requirements in the AS-T will be accepted toward those requirements and counted as general education requirements by the receiving institution.*
- **PHYSICAL ED [PE]**
  Three (3) activity credits required. Waived by physician recommendation only. A maximum of three (3) Physical Education Activity credits are allowed in the degree. Military service may satisfy this requirement.
- **ELECTIVES**
  12 credits must be approved academic electives. These may include prerequisites for major courses (e.g., Pre-Calculus), additional major coursework, or specific general education or other university requirements, as approved by the advisor. 7 credits must be fully transferable as defined by the ICRC* guidelines. All courses listed in the Master List of Transfer Courses meet this criteria. A maximum of 5 credits college-level, restricted elective courses will be accepted. Students should consult with their intended transfer institution for transferability of courses.

My Plan

You can access your academic plan created by your advisor through MyWWCC -> Advising/Registration -> Planned Schedules. Check your degree progress via Degree Audit. Go to MyWWCC -> Academics tab -> Degree Audit.

Natural Science [NS] • 30 Credits

Biology/Physics Sequence

	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE
☐									

Chemistry Sequence

	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE
☐	CHEM&161	5		CHEM&162	5		CHEM&163	5	

Additional Natural Science • 10-15 Credits

	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE
☐									

Quantitative Skills [Q] • 15 Credits

	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE
☐									

Communications [C] • 5 Credits

	COURSE	CREDITS	GRADE
☐			

Humanities and Social Science [H] [HP] [SS] • 15 Credits

	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE
☐									

Physical Activities [PE] • 3 Credits

	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE
☐									

Electives • 12 Credits

	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE
☐												

Notes

Course Placements: Reading _____ English _____ Math _____

Associate in Science Degree - Option II
Engineering, Computer Science, Physics, & Atmospheric Sciences

Students are required to earn a minimum of 90 college-level credits with a 2.0 grade point average to graduate. A minimum of 58 credits of general education/core courses is required.

Important Notice:

The Associate in Science Transfer (AS-T) Degree, Option II is designed to prepare students for upper division study in the areas of engineering, computer science, physics, and atmospheric science. Completing the AS-T degree does not guarantee students admission to the major.

Students completing this AS-T will receive the same priority consideration for admission to the baccalaureate institution as they would for completing the Associate in Arts DTA Degree and will be given junior status by the receiving institution. Additional general education requirements, cultural diversity requirements, and foreign language requirements, as required by the transfer institution, must be met prior to the completion of a baccalaureate degree. Students need to meet with department advisors at the baccalaureate institution to determine an appropriate educational plan.

Residence Requirements for Transfer Degrees:

- A minimum of 30 credits that apply toward the degree earned at WWCC.

Course Designators and Requirements

- **NATURAL SCIENCE [NS]**
  20 credits required:
  - Physics Sequence: 15 credits. Sequence should not be broken up between institutions.
    PHYS&114, College Physics I
    PHYS&115, College Physics II
    PHYS&116, College Physics III

    or

    PHYS&221, Engineering Physics I
    PHYS&222, Engineering Physics II
    PHYS&223, Engineering Physics III
  - Chemistry or Natural Science: Minimum of five (5) credits. Select course based on major. Engineering majors are required to take CHEM& 161. All courses with ✦ are non-lab.
- **HUMANITIES & SOCIAL SCIENCE [H] [HP] [SS]**
  - Minimum of 15 credits required. 5 credits in Humanities, 5 credits in Social Sciences, and an additional 5 credits in either Humanities or Social Sciences.
  - No more than 5 credits allowed in 100 level Modern Languages.
  - Up to 5 credits allowed in Performance/Fine Arts.
    Note: *Courses taken at the Community College to meet the Humanities and Social Sciences requirements in the AS-T will be accepted toward those requirements and counted as general education requirements by the receiving institution.*
- **COMMUNICATIONS [C]**
  Minimum of 5 credits in a college-level composition course.
- **QUANTITATIVE SKILLS [Q]**
  At least 15 credits in courses at or above introductory calculus level (includes Introduction to Statistics).
- **PHYSICAL ED [PE]**
  Three (3) activity credits required. Waived by physician recommendation only. A maximum of three (3) Physical Education Activity credits are allowed in the degree. Military service may satisfy this requirement.
- **ELECTIVES**
  - 32 credits total. Credits must be approved academic electives including college-level prerequisites for major courses, additional major coursework, or specific general education university requirements, as approved by the advisor.
  - 27 credits must be fully transferable as defined by the ICRC* guidelines. All courses listed in the Master List of Transfer Courses meet this criteria.
  - A maximum of 5 credits of college-level, restricted elective courses will be accepted.
  - Students should consult with their advisor and intended transfer institution for transferability of courses.

Note: not all classes are offered every quarter.
** Intercolleaiate Relations Commission*

My Plan

You can access your academic plan created by your advisor through MyWWCC -> Advising/Registration -> Planned Schedules. Check your degree progress via Degree Audit. Go to MyWWCC -> Academics tab -> Degree Audit.

Communications [C] • 5 Credits

COURSE	CREDITS	GRADE

Humanities and Social Science [H] [HP] [SS] • 15 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Quantitative Skills [Q] • 15 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Physics [NS] • 15 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Natural Science [NS] • 5 Credits

COURSE	CREDITS	GRADE

Physical Activities [PE] • 3 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Electives • 32 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Notes

Course Placements: Reading _____ English _____ Math _____

Associate in Biology DTA/MRP

Students are required to earn a minimum of 90 college-level credits with a 2.0 grade point average to graduate.

Important Notice:

This degree may be appropriate for students planning to major in Biology at a baccalaureate institution. Baccalaureate institutions party to this agreement include: Central Washington University, Eastern Washington University, The Evergreen State College, University of Washington-Seattle, Washington State University-Pullman, Western Washington University, Saint Martin's University, Seattle University, and Whitworth University.

Note that admission to specific upper division Biology programs may be competitive; therefore, no particular GPA can guarantee admission to any specific program. Certain schools may have additional university-specific requirements for admission to the institution that are not prerequisites specifically identified in the DTA requirements.

Specific grade requirements vary from course to course and among transfer institutions. It is strongly recommended that students contact the baccalaureate-granting institution early in the Associate in Biology DTA/MRP program to be advised about specific course choices and procedures for admission and graduation requirements.

Residence Requirements for Transfer Degrees:

- A minimum of 30 credits that apply toward the degree earned at WWCC.

Course Designators and Requirements

- **COMMUNICATIONS [C]**
  Minimum of 10 credits in college-level composition required.
- **QUANTITATIVE SKILLS [Q]**
  5 credits required in MATH&151, Calculus I.
- **HUMANITIES [H] [HP]**
  A minimum of 15 credits selected from at least two different subject areas. No more than 5 credits allowed in 100 level Modern Languages. No more than 5 credits allowed from Performance/Fine Arts. No more than 10 credits allowed from any one subject area.
- **SOCIAL SCIENCE [SS]**
  A minimum of 15 credits selected from at least two different subject areas. No more than 10 credits allowed from any one subject area.
- **NATURAL SCIENCE [NS]**
  30 credits required. Sequences should not be broken up between institutions:
  BIOL& 211, Majors Cellular
  BIOL& 212, Majors Plant
  BIOL& 213, Majors Animal
  and
  CHEM& 161, General Chemistry I
  CHEM& 162, General Chemistry II
  CHEM& 163, General Chemistry III
- **ELECTIVES**
  15 college-level credits. These courses should be planned in consultation with an advisor. Electives allow students to include additional courses to prepare for the biology major based on college selection. Examples include a full year sequence of Organic Chemistry; a full year sequence of Physics; or further math at the Pre-Calculus level or above or Statistics.

  In order to better prepare for a successful transfer, students are encouraged to consult with the institution(s) they wish to transfer regarding the Humanities and Social Science courses that best support or may be required as prerequisites to their Biology curriculum.

  Students should consult with their advisor and intended transfer institution prior to taking any further biology courses beyond the one-year sequence. Some colleges require all continuing Biology courses be taken at the 300 level.

  Note: Math& 146, Introduction to Statistics (a course that includes descriptive and inferential statistics) may substitute for Calculus I at some institutions; students are encouraged to check with the transfer institution early in their decision process to confirm requirements.

Note: not all classes are offered every quarter.

My Plan

You can access your academic plan created by your advisor through MyWWCC -> Advising/Registration -> Planned Schedules. Check your degree progress via Degree Audit. Go to MyWWCC -> Academics tab -> Degree Audit.

Communications [C] • 10 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Quantitative Skills [Q] • 5 Credits

COURSE	CREDITS	GRADE
MATH& 151	5	

Humanities [H] [HP] • 15 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Social Science [SS] • 15 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Natural Science [NS] • 30 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE
BIOL& 211	5		BIOL& 212	5		BIOL& 213	5	
CHEM& 161	5		CHEM& 162	5		CHEM& 163	5	

Electives • 15 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Notes

Course Placements: Reading _____ English _____ Math _____

Associate in Business DTA/MRP

Students are required to earn a minimum of 90 college-level credits with a 2.0 grade point average to graduate.

Important Notices:

This degree is applicable for students planning to study various business majors at universities in Washington. Baccalaureate institutions party to this agreement are: Central Washington, Eastern Washington, The Evergreen College, University of Washington (all campuses), Washington State (all campuses), Western Washington, Gonzaga, Heritage, Pacific Lutheran, St. Martin's, Seattle, Seattle Pacific, Walla Walla University, and Whitworth.

Meeting the minimum requirements does not guarantee Business school admission. Admission for many business schools is competitive, and higher minimum GPAs, a higher GPA in a selected subset of courses, or a specific minimum grade in one or more courses such as math or English may be required.

Certain schools may have additional university-specific requirements for admission to the institution that are not prerequisites specifically identified in the DTA requirements. It is strongly recommended that students contact the baccalaureate-granting institution early in the Associate in Business DTA/MRP program to be advised about specific course choices and procedures for admission and graduation requirements.

Residence Requirements for Transfer Degrees:

- A minimum of 30 credits that apply toward the degree earned at WWCC.

Course Designators and Requirements

- **COMMUNICATIONS [C]**
  10 credits in college-level composition required.
- **QUANTITATIVE SKILLS [Q]**
  10 credits required. Choose one course from each area:

  Group 1
  MATH115, Finite Math; MATH&141, Precalculus I; MATH&142, Precalculus II

  Group 2
  MATH&148, Business Calculus; MATH&151, Calculus I; MATH&152, Calculus II; MATH&153, Calculus III; MATH220, Linear Algebra; MATH238, Differential Equations; MATH&254, Calculus IV
- **HUMANITIES [H] [HP]**
  A minimum of 15 credits from at least two different subject areas. No more than 5 credits allowed in 100 level Modern Languages. No more than 5 credits allowed in Performance/Fine Arts. No more than 10 credits allowed from any one subject area.
  Note: *Students intending to major in International Business should consult their potential transfer institution regarding the level of world language required for admission to the major. University of Idaho recommends PHIL 131, Introduction to Ethics.*
- **SOCIAL SCIENCE [SS]**
  15 credits required. Required courses: ECON& 201, Microeconomics and ECON& 202, Macroeconomics. Additional course must be from a subject area other than Economics.
  Note: *WSU requires either PSYC& 100 or SOC& 101 for the remaining Social Science credits.*
- **NATURAL SCIENCE [NS]**
  15 credits required. One course must have a lab. Required course: MATH& 146, Introduction to Statistics.
  Note: *Western Washington's Manufacturing Management major requires specific courses for admission.*
- **BUSINESS SPECIFIC COURSES**
  20 credits required: ACCT& 201, Principles of Accounting I; ACCT& 202, Principles of Accounting II; ACCT& 203, Principles of Accounting III; BUS& 201, Business Law

  Note: *Heritage, Pacific Lutheran University, Seattle University and Walla Walla University do not require a lower division Business Law course, but will accept BUS& 201 as a lower division elective, but generally not as an equivalent to the course required at the upper division.*
- **GENERAL ELECTIVES**
  5 credits required. Students should consult with their advisor and intended transfer institution for the appropriate elective course.
  Note: *Institutions have requirements for admission to the major that go beyond those specified above. Students can meet these requirements by careful selection of the elective course(s):*
  WSU: *MIS 250 (Required for admission to business major) = CS 115 & CS 110*
  UI: *COMM 101 = CMST& 220*
  UW: *Business admissions requires a Statistics course with a minimum Precalculus prerequisite. Students may apply without this course completed.*

Note: not all classes are offered every quarter.

My Plan

You can access your academic plan created by your advisor through MyWWCC -> Advising/Registration -> Planned Schedules. Check your degree progress via Degree Audit. Go to MyWWCC -> Academics tab -> Degree Audit.

Communications [C] • 10 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Quantitative Skills [Q] • 10 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Humanities [H] [HP] • 15 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Social Science [SS] • 15 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE
ECON& 201	5		ECON& 202	5				

Natural Science [NS] • 15 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE
MATH& 146	5							

Business Specific Courses • 20 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE
ACCT& 201	5		ACCT& 202	5		ACCT& 203	5		BUS& 201	5	

General Electives • 5 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Notes

Course Placements: Reading _____ English _____ Math _____

Associate in Math Education DTA/MRP

Students are required to earn a minimum of 90 college-level credits with a 2.0 grade point average to graduate.

Important Notice:

This degree may be appropriate for students planning to major in Secondary Math Education at a baccalaureate institution. Baccalaureate institutions party to this agreement are: Central Washington University, Eastern Washington University, Western Washington University, Washington State University-Pullman, and City University. Meeting the minimum requirements does not guarantee admission to baccalaureate programs.

Note: *When a student applies for an endorsement program at the baccalaureate school, only course work in which an individual received a grade of C (2.0) or higher or a grade of pass on a pass-fail system of grading shall be counted toward the course work required for the approved endorsement program.*

It is strongly recommended that students contact the baccalaureate granting education program early in their Associate in Math Education DTA program to be advised about additional requirements and procedures for admission. Students must take the WEST-B in order to apply to teacher preparation programs in Washington State.

Residence Requirements for Transfer Degrees:

- A minimum of 30 credits that apply toward the degree earned at WWCC.

Course Designators and Requirements

- **COMMUNICATIONS [C]**
  15 credits are required in the following courses:
  ENGL& 101, English Composition I
  ENGL& 102, English Composition II
  CMST& 220, Public Speaking
- **HUMANITIES [H] [HP]**
  10 credits required from at least two different subject areas. 5 credits allowed in 100 level Modern Languages. 5 credits allowed in Performance/Fine Arts classes. No more than 10 credits allowed from any one subject area.
- **SOCIAL SCIENCE [SS]**
  15 credits required, including PSYC& 100, General Psychology. One course must be from a discipline other than Psychology.
- **QUANTITATIVE SKILLS [Q]**
  25 credits required in the following courses:
  MATH& 151, Calculus I; MATH& 152, Calculus II;
  MATH& 153, Calculus III; MATH 220, Linear Algebra;
  MATH& 254, Calculus IV
- **NATURAL SCIENCE [NS]**
  10 credits required from at least two different subject areas excluding Math. Must include one laboratory course.
- **EDUCATION CORE**
  8 credits required: EDUC& 202, Introduction to Education; EDUC 111, Teaching and Learning Lab.
- **ELECTIVES**
  7 credits required. All courses numbered 100 or above. Courses should include preparation for the secondary Math Education major. A maximum of 3 physical education activity credits can be counted for this degree. Students should consult with their advisor and transfer institution for appropriate courses.

  Ⓓ **Diversity:** One diversity Ⓓ course is required for degree completion. Courses meeting the WWCC Diversity requirement are distributed throughout the General Education categories and are double-designated with other distribution requirements. Diversity courses include: HPER268 - Diversity in Sports as a Ⓓ elective.

Note: not all classes are offered every quarter.

My Plan

You can access your academic plan created by your advisor through MyWWCC -> Advising/Registration -> Planned Schedules. Check your degree progress via Degree Audit. Go to MyWWCC -> Academics tab -> Degree Audit.

Communications [C] • 15 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE
ENGL&101	5		ENGL& 102	5		CMST& 220	5	

Humanities [H] [HP] • 10 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Social Science [SS] • 15 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE
PSYC&100	5							

Quantitative Skills [Q] • 25 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE
MATH&151	5		MATH&152	5		MATH&153	5	

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE
MATH&220	5		MATH&254	5	

Natural Science [NS] • 10 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Education Core • 8 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE
EDUC& 202	5		EDUC& 111	3	

Electives • 7 Credits

COURSE	CREDITS	GRADE	COURSE	CREDITS	GRADE

Ⓓ Diversity • 1 Course

COURSE	CREDITS	GRADE

Notes

Course Placements: Reading _____ English _____ Math _____

Associate in Nursing DTA/MRP

Students are required to earn a minimum of 135 college-level credits with a 2.0 grade point average to graduate.

Important Notice:

Completion of this degree allows a student to be eligible to take the National Council Licensure Examination-Registered Nurse (NCLEX-RN) for licensure as a Registered Nurse. Passing the NCLEX-RN exam and completion of this transfer degree provide the general education and nursing courses for direct transfer with only one additional year of study to complete the Bachelor of Science in Nursing (RN-to-BSN pathway). Baccalaureate institutions party to this agreement are: Washington State University, University of Washington - Bothell & Tacoma, Western Washington University, Bellevue College, Olympic College, Lewis-Clark State College, St. Martin's University, Western Governors University, Columbia Basin College, and Wenatchee Valley College.

Note that admission to an RN-to-BSN program may be competitive; therefore, no particular GPA can guarantee admission to any specific program. Certain schools may have additional university-specific requirements for admission to the institution that are not prerequisites specifically identified in the DTA requirements.

Residence Requirements for Transfer Degrees:

- A minimum of 30 credits that apply toward the degree earned at WWCC.

Course Designators and Requirements

- **COMMUNICATIONS [C]**

  10 credits required, including 5 credits of college-level composition.

- **HUMANITIES [H] [HP]**

  A minimum of 15 credits selected from two different disciplines. Required coursework: 5 credits in Ethics and Policy in Healthcare[1]. Only 5 credits allowed in Modern Languages. Only 5 credits allowed in Performance/Fine Arts.

- **SOCIAL SCIENCE [SS]**

  A minimum of 15 credits. Required coursework:
  PSYC&100, General Psychology
  PSYC&200, Lifespan Psychology,
  and 5 credits in Psychosocial Issues in Healthcare[1].

- **QUANTITATIVE SKILLS [Q]**

  5 credits required in Math& 146, Introduction to Statistics.

- **NATURAL SCIENCE [NS]**

  A minimum of 30 credits.
  BIOL&160, General Biology
  BIOL&251, Anatomy and Physiology I
  BIOL&252, Anatomy and Physiology II
  BIOL&260, Microbiology
  CHEM&110, Chemical Concepts with Lab
  NUTR&101, Nutrition

- **ELECTIVES**

  Additional credits for this degree are satisfied upon successful completion of courses required after acceptance to the WWCC Nursing program.

[1] *These courses are completed as part of the core curriculum of the nursing program.*

Note: not all classes are offered every quarter.

My Plan

You can access your academic plan created by your advisor through MyWWCC -> Advising/Registration -> Planned Schedules. Check your degree progress via Degree Audit. Go to MyWWCC -> Academics tab -> Degree Audit.

Communications [C] • 10 Credits

COURSE	CREDITS	GRADE
ENGL& 101	5	

Humanities [H] [HP] • 15 Credits

COURSE	CREDITS	GRADE
* Ethics & Policy In Healthcare	5	

Social Science [SS] • 15 Credits

COURSE	CREDITS	GRADE
PSYC& 100	5	
PSYC& 200	5	
* Psychosocial Issues In Healthcare	5	

Quantitative Skills [Q] • 5 Credits

COURSE	CREDITS	GRADE
MATH& 146	5	

Natural Science [NS] • 30 Credits

COURSE	CREDITS	GRADE
BIOL& 160	5	
BIOL& 251	5	
BIOL& 252	5	
BIOL& 260	5	
CHEM& 110	5	
NUTR& 101	5	

Courses Completed in Nursing Program • 60 Credits

COURSE	CREDITS	GRADE
NURS 100	4	
NURS 110	4	
NURS 200	5	
NURS 210	6	
NURS 101	5	
NURS 111	4	
NURS 201	5	
NURS 211	6	
NURS 102	6	
NURS 112	4	
NURS 202	7	
NURS 212	4	

***Course Completed in Nursing Program**

Notes

Course Placements: Reading _____ English _____ Math _____

Master List of Transfer Courses

How to use this guide

Refer to this guide when selecting courses to fulfill specific requirements for your transfer degree. For instance, when the degree requires a Humanities course, go to the "Humanities [H]" and/or the "Humanities/Performing Arts [HP]" sections for courses that qualify.

This Master List of Transfer Courses is applicable for the following degrees:

Associate in Arts – DTA[1]
Associate in Science, Option I
Associate in Science, Option II
Associates in Biology – DTA[1]/MRP[2]
Associates in Business – DTA[1]/MRP[2]
Associates in Math Education – DTA[1]/MRP[2]
Associates in Nursing – DTA[1]/MRP[2]

The Symbols

Ⓓ **Diversity Course.** These courses meet the WWCC Diversity Requirement and are distributed throughout the general education categories and are double-designated with other distribution requirements.

Ⓧ **Cross-Listed Course.** This course is listed under two or more subject areas. For example: HIST& 116, Western Civilization can count as either a Humanities course or a Social Science course. **Once a cross-listed course has been successfully completed, it may only be credited towards one subject area.**

☾ **Evening Course:** These courses may also be offered in the evening for flexible learning options*.

Online Course: These courses may also be offered online*.

& Common Course: These courses share the course number and title with other Washington State Community and Technical Colleges and transfer seamlessly between institutions.

✦ **Non-Lab Science course**.

** Note: not all classes are offered every quarter.*

[1] *Direct Transfer Agreement* • [2] *Major Related Pathway*

Information is subject to change. See wwcc.edu/schedule for the most current courses. Document updated 8/19.
Walla Walla Community College does not discriminate on the basis of race, color, national origin, sex, disability, or age in programs and activities.

Communications [C]

English I

❑	ENGL&	101	English Composition I Ⓒ 🖱	5

English II

❑	ENGL&	102	English Composition II Ⓒ 🖱	5
❑	ENGL&	235	Technical Writing	5

Communication Studies

❑	CMST	201	Intercultural Communication Ⓓ Ⓒ 🖱	5
❑	CMST&	210	Interpersonal Communication Ⓒ 🖱	5
❑	CMST&	220	Public Speaking Ⓒ 🖱	5

Humanities [H] / Performance & Fine Arts [HP]

Art

❑	ART&	100	Art Appreciation 🖱	5
❑	ART	124	Women Artists in History Ⓓ XL	5
❑	ART	129	History of Western Art III	5

Drama

❑	DRMA&	101	Introduction to Theatre	5
❑	DRMA	281	Beginning Playwriting Ⓓ	5

English Literature

❑	ENGL&	111	Introduction to Literature Ⓒ 🖱	5
❑	ENGL&	112	Introduction to Fiction	5
❑	ENGL&	113	Introduction to Poetry	5
❑	ENGL	118	Baseball Lit & American Culture	5
❑	ENGL	144	Introduction to Film	5
❑	ENGL	147	Comics as Literature Ⓓ	5
❑	ENGL	149	Classic Children's Literature	5
❑	ENGL	210	Myth & Folklore Ⓓ	5
❑	ENGL	211	Literature of the Spanish Speaking World	5
❑	ENGL	212	Multicultural American Literature	3
❑	ENGL&	226	British Literature I	5
❑	ENGL&	244	American Literature I Ⓓ	5
❑	ENGL	251	Voices of Women in Literature Ⓓ XL	5
❑	ENGL&	254	World Literature I Ⓓ	5
❑	ENGL	257	Literature of the Inland Northwest	5
❑	ENGL	270	Genre Fiction	5
❑	ENGL	277	The Bible as Literature	5

History

❑	HIST&	126	World Civilization I XL 🖱	5
❑	HIST&	127	World Civilization II XL 🖱	5
❑	HIST&	128	World Civilization III XL 🖱	5

Humanities

❑	HUM	107	Gender Perc. in American Films Ⓓ	5
❑	HUM	109	World Arts & Culture Ⓓ	5
❑	HUM	110	Four Perspectives Ⓓ	5
❑	HUM&	116	Humanities I: The Road to Babylon	5
❑	HUM&	117	Humanities II: Medieval World	5
❑	HUM&	118	Humanities III: The Modern World	5

Modern Languages

❑	ASL&	121/122/123	Am. Sign Lang. I, II, III	5 ea.
❑	FRCH&	121/122/123	French I, II, III	5 ea.
❑	SPAN&	121/122/123	Spanish I, II, III 🖱	5 ea.

Music

❑	MUSC&	105	Music Appreciation Ⓓ 🖱	5
❑	MUSC	110	History of American Music	5
❑	MUSC&	141/142/143	Music Theory I, II, III	5 ea.
❑	MUSC&	241/242/243	Music Theory IV, V, VI	5 ea.

Performance/Fine Arts [HP]

❑	ART	101/102/103	Drawing I, II, III	4 ea.
❑	ART	104/105	Design I, II	4 ea.
❑	ART	107	Fundamentals of Digital Art	5
❑	ART	130/131/132	Painting I, II, III	4 ea.
❑	ART	160/161/162	Ceramics I, II, III	5 ea.
❑	ART	230	Painting IV	4 ea.
❑	ART	260/261/262	Ceramics/Sculp I, II, III	5 ea.
❑	DRMA	151/152/153	Beg Acting I, II, III	3 ea.
❑	DRMA	251/252/253	Int Acting I, II, III	3 ea.
❑	DRMA	290/291/292	Play Prod IV, V, VI	1-5 ea.
❑	MUSC	116/117/118	College Voice I, II, III	1-2 ea.
❑	MUSC	126/127/128	Jazz Combo I, II, III	1-3 ea.
❑	MUSC	161/162/163	Vocal Ensemble I, II, III	2 ea.
❑	MUSC	216/217/218	College Voice IV, V, VI	1-2 ea.
❑	MUSC	226/227/228	Jazz Combo IV, V, VI	1-3 ea.
❑	MUSC	261/262/263	Vocal Ensemble IV, V, VI	2 ea.

Philosophy

❑	PHIL&	101	Introduction to Philosophy 🖱	5
❑	PHIL	103	Asian Philosophy Ⓓ	5
❑	PHIL&	115	Critical Thinking Ⓓ	5
❑	PHIL&	117	Traditional Logic	5
❑	PHIL	131	Introduction to Ethics	5
❑	PHIL	152	Social and Political Philosophy	5
❑	PHIL	205	Philosophy of Religion	5

Gender and Women's Studies

❑	GWST	107	Gender Perceptions in American Film Ⓓ	5
❑	GWST	124	Women Artists in History Ⓓ XL	5
❑	GWST	200	Introduction to Women's Studies Ⓓ	5
❑	GWST	251	Voices of Women in Literature Ⓓ XL	5

Ⓓ Diversity XL Cross-Listed Ⓒ Evening 🖱 Online ✦ Non Lab Course

Social Science [SS]

Anthropology

- ❑ ANTH& 100 Survey of Anthropology 5
- ❑ ANTH& 206 Cultural Anthropology 5

Business

- ❑ BUS& 101 Intro to Business ☾ 5

Criminal Justice

- ❑ CJ& 101 Intro to Criminal Justice 5
- ❑ CJ& 106 Juvenile Justice 5
- ❑ CJ& 110 Criminal Law 5
- ❑ CJ& 112 Criminology 5
- ❑ CJ& 240 Forensic Science 5

Economics

- ❑ AGRI 201 Microeconomics in Agriculture 5
- ❑ ECON 200 Survey of Economics 5
- ❑ ECON& 201 Micro Economics ☾ 5
- ❑ ECON& 202 Macro Economics ☾ 5

Education

- ❑ EDUC& 202 Intro to Education 5

Geography

- ❑ GEOG& 102 World Regional Geography 5
- ❑ GEOG& 207 Economic Geography 5

History

- ❑ HIST 105 Roots of World Issues Ⓓ 5
- ❑ HIST 120 American Presidency 5
- ❑ HIST& 126 World Civilization I 5
- ❑ HIST& 127 World Civilization II 5
- ❑ HIST& 128 World Civilization III 5
- ❑ HIST& 146 US History I 5
- ❑ HIST& 147 US History II 5
- ❑ HIST& 148 US History III 5
- ❑ HIST 205 American Environmental Hist 5
- ❑ HIST 211 U.S. in World Affairs I 5
- ❑ HIST 212 U.S. in World Affairs II 5
- ❑ HIST& 214 Pacific NW History 5
- ❑ HIST 215 Women in U.S. History Ⓓ 5
- ❑ HIST 250 Intro to Latin America Ⓓ 5

Political Science

- ❑ AGRI 222 Agricultural and Water Policy 5
- ❑ POLS 120 The American Presidency 5
- ❑ POLS& 202 American Government 5
- ❑ POLS 204 Constitutional Law 5
- ❑ POLS 211 U.S. in World Affairs I 5
- ❑ POLS 212 U.S. in World Affairs II 5
- ❑ POLS 222 Agricultural Policy 5

Psychology

- ❑ PSYC& 100 General Psychology ☾ 5
- ❑ PSYC 111 Psychology of Relationships 3
- ❑ PSYC 139 Psychology of Women 5
- ❑ PSYC 160 Psychology of Crim. Behavior 5
- ❑ PSYC& 180 Human Sexuality Ⓓ 5
- ❑ PSYC& 200 Lifespan Psychology ☾ 5
- ❑ PSYC 205 Social Psychology Ⓓ 5
- ❑ PSYC 207 Psychology of Personality 5
- ❑ PSYC 210 Psychology of Bullying 5
- ❑ PSYC& 220 Abnormal Psychology 5
- ❑ PSYC 224 Environmental Psychology 5

Sociology

- ❑ SOC& 101 Intro to Sociology Ⓓ ☾ 5
- ❑ SOC& 201 Social Problems ☾ 5
- ❑ SOC 204 Drugs and Society ☾ 5
- ❑ SOC 205 Racial & Ethnic Relations Ⓓ ☾ 5
- ❑ SOC 206 Aging and Society Ⓓ ☾ 5
- ❑ SOC 208 Intimate & Family Relations Ⓓ ☾ 5
- ❑ SOC 220 Gender & Society Ⓓ 5

Gender and Women's Studies

- ❑ GWST 139 Psychology of Women 5
- ❑ GWST 180 Human Sexuality Ⓓ 5
- ❑ GWST 200 Intro to Women's Studies Ⓓ 5
- ❑ GWST 215 Women in U.S. History Ⓓ 5
- ❑ GWST 220 Gender & Society Ⓓ 5

Quantitative Skills/Reasoning [Q]

Math

- ❑ MATH& 107 Math in Society 5
- ❑ MATH 115 Finite Math 5
- ❑ MATH& 132 Math for Elem School Teachers II 5
- ❑ MATH& 141 Precalculus I ☾ 5
- ❑ MATH& 142 Precalculus II 5
- ❑ MATH& 146 Intro to Statistics ☾ 5
- ❑ MATH& 148 Business Calculus 5
- ❑ MATH& 151 Calculus I 5
- ❑ MATH& 152 Calculus II 5
- ❑ MATH& 153 Calculus III 5
- ❑ MATH 220 Linear Algebra 5
- ❑ MATH 238 Differential Equations 5
- ❑ MATH& 254 Calculus IV 5

Symbolic Reasoning

- ❑ PHIL& 117 Traditional Logic 5

Ⓓ Diversity Cross-Listed ☾ Evening Online ✦ Non Lab Course

Natural Science [NS]

Courses marked with a ✦ are non-lab courses.

Agriculture

- ❑ AGPR 101 Intro to Environ Sciences XL 5
- ❑ AGPR 201 Basic Soil Science 5

Astronomy

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

Biology

- ❑ BIOL& 100 Survey of Biology 5
- ❑ BIOL& 160 General Biology w/ lab C 5
- ❑ BIOL 161 Human Genetics 5
- ❑ BIOL& 170 Human Biology 🖱 ..... ✦5
- ❑ BIOL& 175 Human Biology w/ lab 5
- ❑ BIOL 180 Intro to Conservation ..... ✦5
- ❑ BIOL& 211 Majors Cellular 5
- ❑ BIOL& 260 Microbiology C 5
- ❑ BIOL 265 Immunology 2

Anatomy & Physiology

- ❑ BIOL& 251 Human A & P I C 5
- ❑ BIOL& 252 Human A & P II C 5
- ❑ BIOL& 253 Human A & P III 5

Botany

- ❑ BIOL& 213 Majors Plant 5
- ❑ BIOL 221 Systematic Botany (Plant ID) 5

Ecology

- ❑ BIOL 130 General Ecology 5

Zoology

- ❑ BIOL 205 Intro to Animal Behavior 5
- ❑ BIOL& 212 Majors Animal 5

Chemistry

- ❑ CHEM& 105 Chemical Concepts ..... ✦5
- ❑ CHEM 106 Intro to Forensic Chemistry 5
- ❑ CHEM& 110 Chemical Concepts w/ Lab C 5
- ❑ CHEM& 121 Intro to Chemistry 5
- ❑ CHEM& 122 Intro to Organic Chemistry 5
- ❑ CHEM& 123 Intro to Biochemistry 5
- ❑ CHEM& 139 Gen. Chemistry Prep ..... ✦5
- ❑ CHEM& 161 General Chemistry I 5
- ❑ CHEM& 162 General Chemistry II 5
- ❑ CHEM& 163 General Chemistry III 5

Environmental Science

- ❑ ENVS& 101 Intro to Environ. Science XL 5

Geography

- ❑ GEOG 105 Physical Geography 5
- ❑ GEOG 210 Intro to Weather 5
- ❑ GEOG 211 Intro to Climate w/o lab ..... ✦5
- ❑ GEOG 212 Intro to Climate w/. lab 5

Geology

- ❑ GEOL& 101 Intro Physical Geology 5
- ❑ GEOL& 103 Historical Geology 5
- ❑ GEOL& 110 Environmental Geology 5
- ❑ GEOL 115 Survey of Earth Science 5
- ❑ GEOL& 208 Geology of the Pacific NW 🖱 5

Mathematics ✦ (max. 5 cr./ non lab courses)

- ❑ MATH& 107 Math in Society 🖱 ..... ✦5
- ❑ MATH 115 Finite Math ..... ✦5
- ❑ MATH& 131 Math for Elem Teachers I ..... ✦5
- ❑ MATH& 132 Math for Elem Teachers II ..... ✦5
- ❑ MATH& 141 Precalculus I C 🖱 ..... ✦5
- ❑ MATH& 142 Precalculus II ..... ✦5
- ❑ MATH& 146 Intro to Statistics C 🖱 ..... ✦5
- ❑ MATH& 148 Business Calculus C 🖱 ..... ✦5
- ❑ MATH& 151 Calculus I ..... ✦5
- ❑ MATH& 152 Calculus II ..... ✦5
- ❑ MATH& 153 Calculus III ..... ✦5
- ❑ MATH 220 Linear Algebra ..... ✦5
- ❑ MATH 238 Differential Equations ..... ✦5
- ❑ MATH& 254 Calculus IV ..... ✦5

Nutrition

- ❑ NUTR& 101 Nutrition C 🖱 ..... ✦5

Oceanography

- ❑ OCEA& 101 Intro to Oceanography 5

Physics

- ❑ PHYS& 110 Physics Non-Sci Majors 5
- ❑ PHYS& 114 General Physics I w/ lab 5
- ❑ PHYS& 115 General Physics II w/ lab 5
- ❑ PHYS& 116 General Physics III w/ lab 5
- ❑ PHYS& 221 Engineering Physics I w/ lab 5
- ❑ PHYS& 222 Engineering Physics II w/ lab 5
- ❑ PHYS& 223 Engineering Physics III w/ lab 5

Optional Transferable Electives

- ❑ ACCT& 201/202/203 Principles of Accounting I, II, III C 🖱 ... 5 ea.
- ❑ AGPR 105 Weed Biology and Identification 5
- ❑ AGPR 110 Livestock Production 5
- ❑ AGPR 113 Cultivated Plants 5
- ❑ AGRI 221 Introduction to Food and Agricultural Markets .. 5
- ❑ BUS& 201 Business Law I 🖱 5
- ❑ CS 115 Intro to Computer & Information Technology 🖱 ... 5
- ❑ CS& 131 Computers Science I C++ 5
- ❑ CS& 141 Computer Science I JAVA 5
- ❑ EDUC 111 Teaching and Learning Lab 1-3
- ❑ EDUC& 115 Child Development 5
- ❑ EDUC& 203 Exceptional Child 3
- ❑ HPER 264 Stress Management 🖱 3
- ❑ HPER 267 Outdoor Recreation 5
- ❑ HPER 268 Diversity in Sports Ⓓ 5
- ❑ HPER 274 Personal & Community Health & Hygiene 🖱 5
- ❑ HPER 275 Prevention and Care of Athletic Injury 5
- ❑ HSS 101 Intro to Human Services 5

Ⓓ Diversity XL Cross-Listed C Evening 🖱 Online ✦ Non Lab Course

AREAS OF STUDY

WALLA WALLA COMMUNITY COLLEGE

Shape Your Future

Accounting Technology

CERT, AAS

http://wwcc.edu/accounting

Francis Lyons *509.527.4234* *francis.lyons@wwcc.edu*
Linda Lane- Clk *509.758.1724* *linda.lane@wwcc.edu*

Program available at/via: [Walla Walla][Clarkston][Online (full)]

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, and payroll accounting. Students also become proficient with a computer accounting systems. All courses are available through distance learning. The Accounting Technology curriculum is reviewed by an advisory board composed of local and regional industry members.

Program Level Outcomes:

- Program completers will demonstrate technical competency in core ability and related instruction curriculum components.
- 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 AAS degree will become employed in a living wage job, with benefits.

Degrees: Students may earn an Associate in Applied 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. In order to start this program, the placement process must be completed through the Testing Center. Visit wwcc.edu/placement for more information.

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

Degrees and Certificates

Accounting Assistant Certificate

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

Certificate available at/via: [Walla Walla] [Clarkston] [Online (full)]

Certificate Outcomes:

- Possess the skills needed to secure and maintain entry-level employment as accounting and payroll clerks.
- Accurately prepare payroll and related federal and state tax returns.
- Possess proficiency using the 10-key calculator.
- Understand and practice professional work habits expected in the accounting field, including confidentiality and accounting ethics.
- Be able to correctly complete the basic bookkeeping processes according to Generally Accepted Accounting Principles.
- Acquire proficiency using computer software, including MS Word, MS Excel, MS Access, and computerized accounting software.
- Demonstrate the ability to communicate orally and in writing at a level necessary for successful employment in the accounting field.
- Demonstrate critical thinking skills needed to prioritize, anticipate and analyze problems, and to evaluate and implement solutions.
- Possess an understanding and practice of human relations, diversity, and teamwork skills related to the accounting field.

YEAR ONE

Quarter One	Credits
ACCT& 201, Principles of Accounting I	5
BUS 112, Business Mathematics (M)**	5
BUS& 101, Introduction to Business	5
CS 110, Introduction to Computers and Applications	5
Total Credits	**20**

Quarter Two	Credits
ACCT 175, Payroll Accounting	5
ACCT& 202, Principles of Accounting II	5
ACOM 102, Communication in the Workplace (O)	5
Total Credits	**15**

Quarter Three	Credits
ACCT 115, Quickbooks	5
ACCT& 203, Principles of Accounting III	5
AENG 100, Writing in the Workplace (W)	5
Total Credits	**15**
Year One Total	**50**
Grand Total	**50**

EPC: 505A

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** Can be substituted with MATH& 146.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100

(M) - BUS 112, MATH& 146

(O) - ACOM 102, CMST& 210, CMST& 220

Associate in Applied 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.

Degree available at/via: [Walla Walla] [Clarkston] [Online (full)]

Degree Outcomes:

- Possess the skills needed to secure and maintain entry-level employment as accounting clerks, payroll clerks, full-charge bookkeepers, income tax preparers, and general ledger accountants.
- Accurately prepare payroll and related federal and state tax returns.
- Accurately prepare basic federal income tax returns.
- Possess proficiency using the 10-key calculator.
- Understand and practice professional work habits expected in the accounting field, including confidentiality and accounting ethics.
- Be able to correctly complete accounting processes according to Generally Accepted Accounting Principles, using manual and computerized accounting software, prepare financial statements, and create various entry-level managerial reports.
- Effectively read and interpret financial statements.
- Understand the basic legal issues pertaining to the accounting field.
- Acquire proficiency using computer software, including MS Word, MS Excel, MS Access, and computerized accounting software.
- Be able to research business and accounting information using printed materials, electronic media, and the Internet.
- Demonstrate the ability to communicate orally and in writing at a level necessary for successful employment in the accounting field.
- Demonstrate critical thinking skills needed to prioritize, anticipate and analyze problems, and to evaluate and implement solutions.
- Possess an understanding and practice of human relations, diversity, and teamwork skills related to the accounting field.

Transferability: The AAS 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
BUS 112, Business Mathematics (M)**	5
BUS& 101, Introduction to Business	5
CS 110, Introduction to Computers and Applications	5
Total Credits	**20**

Quarter Two	Credits
ACCT 175, Payroll Accounting	5
ACCT& 202, Principles of Accounting II	5
ACOM 102, Communication in the Workplace (O)	5
Total Credits	**15**

Quarter Three	Credits
ACCT 115, Quickbooks	5
ACCT& 203, Principles of Accounting III	5
AENG 100, Writing in the Workplace (W)	5
Total Credits	**15**
Year One Total	**50**

YEAR TWO

Quarter One	Credits
BUS 151, Microsoft Excel	5
BUS 157, Human Relations in Business (R)	5
ECON& 201, Microeconomics	5
Total Credits	**15**

Quarter Two	Credits
BUS 217, Computer Software Applications	5
BUS& 201, Business Law I	5
BUS Elective	5
Total Credits	**15**

Quarter Three	Credits
BUS 287, Business Project	3
BUS Elective	5
BUS Elective	5
Total Credits	**13**
Year Two Total	**43**
Grand Total	**93**

EPC: 505

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** MATH& 146 can be substituted.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - BUS 112, MATH& 146

(O) - ACOM 102, CMST 201, CMST& 210

(R) - BUS 157, PSYC& 100

Agricultural Systems

https://www.wwcc.edu/bas-sas/

Department Overview: Agricultural systems science is an interdisciplinary science, which systematically analyzes the interactions between the natural, human, climatic, political and economic components of the agroecosystem. The Agricultural Systems degree at WWCC provides successful students with a broad and complete understanding of these complex interactions. Students will learn to adjust current pathways as well as identify new pathways to minimize the many potential negative effects on environmental, societal and human health. In addition to classes in foundational agricultural knowledge, like that of basic soil, plant and animal science, students will be engaged in topics such as agroecology, policy, technology and sustainability to develop their critical thinking skills. This perspective is essential for meeting the increasing demands placed on today's agricultural systems. The Agricultural Systems degree prepares students to make an active contribution to the agricultural industry through hands-on exposure to diverse experiences and perspectives grounded in applied science and reality. Students who are interested in agribusiness can choose to get a concentration in Agricultural Business within the Agricultural Systems degree. See below for a separate list of entry and course requirements. Students who achieve a Bachelor of Applied Science degree in Agricultural Systems may also continue their education and enroll in graduate programs.

Agriculture - Ag-Business

CERT, AAS-T, AAS, AA

http://wwcc.edu/agbusiness

Debora Frazier *509.527.4689* *debora.frazier@wwcc.edu*

Program available at/via: [Walla Walla][Clarkston][Online (partial)]

Department Overview: The Agriculture program offers several degree tracks for students which include Ag Business, Animal Science, Plant and Soil Science, and Precision Ag. Certificate, Associate in Applied Sciences degrees (AAS) and transfer options are available.

Ag-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 Ag-Business curriculum is reviewed by an advisory board composed of local and regional industry members.

Program Level Outcomes:

- Provide students with the highest level of instruction by offering the latest concepts in agriculture.
- To attract, retain, and graduate competent students into the Agriculture Science industry.
- Keep program on "cutting edge" of agriculture by involving industry in curriculum development and verification of student learning outcomes.
- Articulate the Agriculture Science program horizontally with other related WWCC programs, and vertically, with regional high schools and universities.
- Educate and graduate students who possess the knowledge and skills to participate in the agriculture industry with confidence, or continue their education at the university level with the same confidence.

Degrees: Students may earn an Associate in Applied Sciences Degree in Agri-Business upon completion of the two-year program of study.

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. (See AA-DTA in Degree section of the catalog.)

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 ag-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: Students may enter the program fall, winter, spring, or summer quarter. In order to start this program, the placement process must be completed through the Testing Center. Visit wwcc.edu/placement for more information.

Other Information: The Ag-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.careerbridge.wa.gov.

Degrees

Associate of Applied Science-Transfer in Agriculture Education

Degree available at/via: [Walla Walla]

YEAR ONE

Quarter One	Credits
AGPR 110, Livestock Production	5
BIOL& 211, Majors Cellular	5
Elective**	5
HIST& 126, World Civilization I	5
Total Credits	**20**
Quarter Two	**Credits**
AGRI 221, Introduction to Food and Agricultural Markets	5
BIOL& 213, Majors Plant	5
HIST& 127, World Civilization II	5
Total Credits	**15**
Quarter Three	**Credits**
AGRI 201, Microeconomics in Agriculture	5
BIOL& 212, Majors Animal	5
ENGL& 101, English Composition I (W)	5
Total Credits	**15**
Year One Total	**50**

YEAR TWO

Quarter One	Credits
AGPR 201, Basic Soil Science	5
ART& 100, Art Appreciation	5
CHEM& 121, Introduction to Chemistry ***	5
EDUC& 202, Intro to Education	5
Total Credits	**20**
Quarter Two	**Credits**
AGPR 113, Cultivated Plants	5
CHEM& 122, Introduction to Organic Chemistry ****	5
CMST& 220, Public Speaking (O)	5
ENGL& 102, English Composition II	5
Total Credits	**20**
Quarter Three	**Credits**
AGRI 211, Small Business Management	5
CHEM& 123, Introduction to Biochemistry *****	5
MATH& 146, Introduction to Statistics (M)	5
Total Credits	**15**
Year Two Total	**55**
Grand Total	**105**

EPC: 880T

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** Approved electives can be any AGPR,AGRI,WTM,ENT, or E&V.*

**** Can be substituted with CHEM& 161.*

***** Can be substituted with CHEM& 162.*

****** Can be substituted with CHEM& 163.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - ENGL& 101

(M) - MATH& 146

(O) - CMST& 220

Associate of Applied Science-Transfer in Agriculture Technology & Production Management

This degree provides the science and general education courses appropriate for the student who is planning a future transfer to a Bachelor of Science in Agriculture Technology and Management at Washington State University.

Degree available at/via: [Walla Walla]

Year One

Quarter One	Credits
AGPR 113, Cultivated Plants	5
Elective**	5
CHEM& 121, Intro to Chemistry or CHEM& 161, General Chemistry I w/Lab	5
ENT 150, Introduction to GIS	3
Total Credits	**18**

Quarter Two	Credits
AGPR 110, Livestock Production	5
CHEM& 122, Introduction to Organic Chemistry or CHEM& 162, General Chemistry II w/Lab.	5
ENT 151, Advanced GIS	3
EST 132, Principles of Electricity AC Application	5
Total Credits	**18**

Quarter Three	Credits
AGRI 201, Microeconomics in Agriculture	5
CHEM& 123, Introduction to Biochemistry or CHEM& 163, General Chemistry III w/Lab.	5
ENGL& 101, English Composition I	5
ENT 152, Practical Agricultural Applications of GIS	3
Total Credits	**18**
Year One Total	**54**

Year Two

Quarter One	Credits
AGPR 201, Basic Soil Science	5
BIOL& 211, Majors Cellular	5
CMST& 220, Public Speaking	5
MATH& 146, Introduction to Statistics	5
Total Credits	**20**

Quarter Two	Credits
AGPR 135, Mechanization of GIS	3
AGPR 140, Agriculture Safety and Pesticides	5
BIOL& 213, Majors Plant	5
WTM 112, Irrigation Principles	5
WTM 221, Pump Applications	2
Total Credits	**20**

Quarter Three	Credits
AGPR 105, Weed Biology and Identification	5
AGRI 103, Intro to Precision Ag for Farm Management.	5
AGRI 211, Small Business Management	5
BIOL& 212, Majors Animal.	5
Total Credits	**20**
Year Two Total	**60**
Grand Total	**114**

EPC: 125T

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** Approved electives can be any AGPR,AGRI,WTM,ENT, or E&V.*

Associate of Applied Science - Transfer in Ag Business/Ag Econ

Year One

Quarter One	Credits
AGRI 201, Microeconomics in Agriculture	5
CMST& 220, Public Speaking	5
ENGL& 101, English Composition I	5
Total Credits	**15**

Quarter Two	Credits
AGRI 220, Introduction to Finance	5
CHEM& 110, Chemical Concepts w/Lab	5
HIST& 128, World Civilization III	5
Total Credits	**15**

Quarter Three	Credits
BUS& 201, Business Law I	5
ECON& 202, Macroeconomics	5
Fine Arts Elective	5
Humanities Elective.	5
Total Credits	**20**
Year One Total	**50**

Year Two

Quarter One	Credits
ACCT& 201, Principles of Accounting I	5
Lab Science Elective	5
MATH& 146, Introduction to Statistics	5
Total Credits	**15**

Quarter Two	Credits
ACCT& 202, Principles of Accounting II	5
AGRI 211, Small Business Management	5
MATH& 141, Precalculus I	5
Total Credits	**15**

Quarter Three	Credits
ACCT& 203, Principles of Accounting III	5
AGRI 191, Cooperative Work Experience.	1 - 25
Diversity Elective	5
MATH& 148, Business Calculus	5
Total Credits	**16-40**
Year Two Total	**46-70**
Grand Total	**96-120**

EPC: 110U

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

Associate of Applied Science -Transfer in Agri-Business

This degree is articulated with the College of Agriculture at Washington State University for students interested in obtaining a degree in Ag and Food Systems - Agricultural and Food Business Economics option.

Degree available at/via: [Walla Walla] [Clarkston]

Year One

Quarter One	Credits
AGPR 113, Cultivated Plants	5
AGRI 201, Microeconomics in Agriculture	5
CHEM& 121, Introduction to Chemistry **	5
Elective***	5
Total Credits	**20**

Quarter Two	Credits
AGRI 221, Introduction to Food and Agricultural Markets	5
CHEM& 122, Introduction to Organic Chemistry **	5
ECON& 202, Macroeconomics	5
MATH 115, Finite Mathematics ****	5
Total Credits	**20**

Quarter Three	Credits
AGRI 211, Small Business Management	5
CHEM& 123, Introduction to Biochemistry **	5
ENGL& 101, English Composition I	5
MATH& 148, Business Calculus	5
Total Credits	**20**
Year One Total	**60**

Year Two

Quarter One	Credits
ACCT& 201, Principles of Accounting I	5
AGPR 110, Livestock Production	5
AGPR 201, Basic Soil Science	5
BIOL& 211, Majors Cellular	5
Total Credits	**20**

Quarter Two	Credits
ACCT& 202, Principles of Accounting II	5
BIOL& 213, Majors Plant	5
CMST& 220, Public Speaking	5
HIST 105, Roots of World Issues	5
Total Credits	**20**

Quarter Three	Credits
ACCT& 203, Principles of Accounting III	5
BIOL& 212, Majors Animal	5
MATH& 146, Introduction to Statistics	5
Total Credits	**15**
Year Two Total	**55**
Grand Total	**115**

EPC: 110T

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** CHEM& 161, 162, 163 can be substituted for CHEM& 121, 122, 123 series.*

**** Approved electives can be any AGPR,AGRI,WTM,ENT, or E&V.*

***** MATH& 141 can substitute for MATH 115.*

Agri-Business Certificate

Certificate available at/via: [Walla Walla] [Clarkston]

Certificate Outcomes:

- Demonstrate knowledge of accounting basics.
- Demonstrate ability to use computer software to create and use written documents, including spreadsheets, graphical presentations and databases.
- Prepare and orally deliver a sales presentation to a prospect which includes appropriate techniques for opening, presenting product, handling objections and closing.
- List parts of a business plan and explain the benefits of creating a plan.
- Demonstrate the ability to prepare graphs to describe business relationships such as the production process, cost, revenue and profit values.
- Describe advantages and disadvantages of various forms of business organization.
- Compare and contrast characteristics of various forms of market structures.
- Describe the factors which affect consumer choice.

Year One

Quarter One	Credits
AGRI 102, Farm Records and Analysis	5
AGRI 108, Computers in Agriculture	5
AGRI 201, Microeconomics in Agriculture	5
Total Credits	**15**

Quarter Two	Credits
AGRI 210, Sales and Customer Service	5
AGRI 211, Small Business Management	5
AGRI 221, Introduction to Food and Agricultural Markets	5
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
Total Credits	**20**

Quarter Three	Credits
AENG 100, Writing in the Workplace (W)	5
AGPR 197, Project Design	1
AGPR 199, Special Topics	1
Elective**	5
Agriculture Elective	5
Total Credits	**17**
Year One Total	**52**
Grand Total	**52**

EPC: 110C

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** Approved electives can be any AGPR,AGRI,WTM,ENT, or E&V.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 105, MATH& 141

(R) - ACOM 102

Associate in Applied Sciences Degree in Agri-Business

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

Degree available at/via: [Walla Walla] [Clarkston]

Degree Outcomes:

- Demonstrate knowledge of accounting basics.
- Demonstrate ability to use computer software to create and use written documents, including spreadsheets, graphical presentations and databases.
- Prepare and orally deliver a sales presentation to a prospect which includes appropriate techniques for opening, presenting product, handling objections and closing.
- Identify and apply management tools used to measure business performance.
- List parts of a business plan and explain the benefits of creating a plan.
- Discuss structure and characteristics of the food product, agricultural production, food processing and retailing; and their influence on food marketing.
- Demonstrate the ability to prepare graphs to describe business relationships such as the production process, cost, revenue and profit values.
- Illustrate and describe market theory, including effects of changes in demand and supply on the market price and equilibrium quantity and the rationing function of prices.
- Describe advantages and disadvantages of various forms of market structures.
- Describe the factors which affect consumer choice.
- Explain the process and rationality for enacting government regulations impacting businesses and the effect of regulations on market decisions.

Transferability: The AAS 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 102, Farm Records and Analysis	5
AGRI 108, Computers in Agriculture	5
AGRI 201, Microeconomics in Agriculture	5
Total Credits	**15**
Quarter Two	**Credits**
AGRI 210, Sales and Customer Service	5
AGRI 211, Small Business Management **	5
AGRI 221, Introduction to Food and Agricultural Markets	5
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)***	5
Total Credits	**20**
Quarter Three	**Credits**
AENG 100, Writing in the Workplace (W)	5
AGPR 197, Project Design	1
AGPR 199, Special Topics	1
Elective*****	5
Agriculture Elective****	5
Total Credits	**17**
Year One Total	**52**

YEAR TWO

Quarter One	Credits
AGPR 113, Cultivated Plants	5
AGPR 201, Basic Soil Science	5
AGPR 297, Special Project	1
Animal Science/Irrigation Elective******	5
Total Credits	**16**
Quarter Two	**Credits**
AGPR 140, Agriculture Safety and Pesticides	5
AGRI 220, Introduction to Finance	5
Agriculture Elective****	5
IFA 022, AHA Heartsaver First Aid/CPR	.4
Total Credits	**15.4**
Quarter Three	**Credits**
ACOM 102, Communication in the Workplace (O)	5
AGRI 103, Intro to Precision Ag for Farm Management	5
AGRI 222, Agricultural and Water Policy	5
Total Credits	**15**
Year Two Total	**46.4**
Grand Total	**98.4**

EPC: 110

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** Either AGRI 211 or AGRI 220 will meet requirement for certificate completion. Both courses are required for degree completion. Certificate can be earned by completing first 3 quarters of program.*

**** Math above MATH 075.*

***** Ag Electives: Any 10-15 credits of courses with these prefixes: AGRI, AGPR, WTM, TURF, EV or, as approved by advisor.*

****** Approved electives can be any AGPR,AGRI,WTM,ENT, or E&V.*

****** Animal Science/Irrigation Elective: Choose either WTM 112 or AGPR 110.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 105, MATH& 141, MATH& 146

(O) - ACOM 102, CMST 201

Associate in Arts Degree (emphasis in Agricultural Economics)

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.

Degree available at/via: [Walla Walla]

Degree Outcomes:

- To prepare students for transfer to a university for a degree in Ag Business and Economics.

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 201, Microeconomics in Agriculture	5
CMST& 220, Public Speaking	5
Physical Education Elective*	1
ENGL& 101, English Composition I	5
Total Credits	**16**

Quarter Two	Credits
AGRI 221, Introduction to Food and Agricultural Markets	5
Lab Science Elective*	5
ENGL& 102, English Composition II	5
MATH 115, Finite Mathematics	5
Total Credits	**20**

Quarter Three	Credits
AGRI 211, Small Business Management	5
Physical Education Elective*	1
Literature Elective*	5
MATH& 148, Business Calculus ***	5
Total Credits	**16**
Year One Total	**52**

Year Two

Quarter One	Credits
ACCT& 201, Principles of Accounting I	5
ECON& 202, Macroeconomics	5
Humanities Elective*	5
Social Science Elective**	5
Total Credits	**20**

Quarter Two	Credits
ACCT& 202, Principles of Accounting II	5
Agriculture Elective	5
MATH 201, Introduction to Statistics	5
Total Credits	**15**

Quarter Three	Credits
AGRI 222, Agricultural and Water Policy	5
Physical Education Elective*	1
Humanities Elective*	5
Natural Science Elective*	5
Total Credits	**16**
Year Two Total	**51**
Grand Total	**103**

EPC: 001D

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

Refer to Associate in Arts (AA) Guidelines for approved elective courses. At least one Diversity course is required.

*** Social Science elective: Any PSYC, SOC, HIST, ANTH course.*

**** Students may substitute MATH& 151 for MATH& 148.*

Agriculture - Animal Science

CERT, AAS-T, AAS

http://www.wwcc.edu/animalscience

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Matthew Williams *509.527.4696* *matthew.williams@wwcc.edu*

Program available at/via: [Walla Walla]

Department Overview: The Agriculture program offers several degree tracks for students which include Animal Science, Ag Business, Plant and Soil Science, and Precision Ag. Certificate, Associate in Applied Sciences degrees (AAS) and transfer options are available.

Agriculture Science combines the fields of biology and chemistry with a practical understanding of livestock production and management. The primary objectives of the program are to offer students technical knowledge in the areas of animal health and disease prevention, feed and nutrition practices, livestock and carcass evaluation and general agriculture safety practices and management. These objectives are accomplished with lecture/discussion periods, lab exercises, and field trips to production enterprise areas. Business management is emphasized in each area of study. 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.

Program Level Outcomes:

- Provide students with the highest level of instruction by offering the latest concepts in agriculture.
- To attract, retain, and graduate competent students into the Agriculture Science industry.
- Keep program on "cutting edge" of agriculture by involving industry in curriculum development and verification of student learning outcomes.
- Articulate the Agriculture Science program horizontally with other related WWCC programs, and vertically, with regional high schools and universities.
- Educate and graduate students who possess the knowledge and skills to participate in the agriculture industry with confidence, or continue their education at the university level with the same confidence.

Degrees: Students may earn an Associate in Applied Sciences Degree in Animal Science upon completion of a two-year program of study. The Animal Science option focuses on livestock production, animal nutrition and health, and carcass evaluation. An Animal Science Certificate is available upon completion of the first year of study.

For those students interested in attending a baccalaureate institution, WWCC offers a number of articulation agreements in Agriculture Science. This allows students to complete a degree at WWCC before transferring to a specific program at a baccalaureate institution. Areas of study include General Ag, Horticulture, Rangeland, and Crop and Soil Science.

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

Entrance Requirements: Students may enter the program fall, winter, spring or summer quarter. In order to start this program, the placement process must be completed through the Testing Center. Visit wwcc.edu/placement for more information.

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.careerbridge.wa.gov.

The Agriculture Center of Excellence is a flagship institution connecting education and industry to create a highly skilled and readily available workforce. The Center of Excellence addresses workforce training needs and education for the agricultural industry by supporting the community and technical college system, as well as collaborating with the K-12 system and four-year colleges/universities. Visit www.agcenterofexcellence.com for more information.

Degrees

Associate of Applied Science-Transfer in Animal Science - Animal Management

YEAR ONE

Quarter One	Credits
AGPR 110, Livestock Production	5
AGPR 116, Livestock Selection and Carcass Evaluation	5
CHEM& 121, Intro to Chemistry or CHEM& 161, General Chemistry I w/Lab	5
ENGL& 101, English Composition I	5
Total Credits	**20**

Quarter Two	Credits
AGPR 112, Feeds and Feeding	5
AGRI 201, Microeconomics in Agriculture, or ECON& 201 Microeconomics	5
CHEM& 122, Introduction to Organic Chemistry or CHEM& 162, General Chemistry II w/Lab.	5
MATH& 141, Precalculus I	5
Total Credits	**20**

Quarter Three	Credits
AGPR 115, Animal Health and Disease	5
AGRI 211, Small Business Management	5
CHEM& 123, Introduction to Biochemistry or CHEM& 163, General Chemistry III w/Lab	5
Total Credits	**15**
Year One Total	**55**

YEAR TWO

Quarter One	Credits
AGPR 100, Introduction to Agriculture and Natural Resource Careers	3
AGPR 201, Basic Soil Science	5
BIOL& 211, Majors Cellular	5
Humanities Elective.	5
Total Credits	**18**

Quarter Two	Credits
BIOL& 213, Majors Plant	5
CMST& 220, Public Speaking	5
HIST& 128, World Civilization III	5
Total Credits	**15**

Quarter Three	Credits
AGPR 224, Pasture and Range Management	5
BIOL& 212, Majors Animal.	5
MATH& 142, Precalculus II.	5
MATH& 146, Introduction to Statistics	5
Total Credits	**20**
Year Two Total	**53**
Grand Total	**108**

EPC: 107U

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

Associate of Applied Science-Transfer in Animal Science - Pre-Veterinary

YEAR ONE

Quarter One	Credits
AGPR 116, Livestock Selection and Carcass Evaluation	5
BIOL& 211, Majors Cellular	5
ENGL& 101, English Composition I	5
MATH& 141, Precalculus I	5
Total Credits	**20**

Quarter Two	Credits
AGPR 110, Livestock Production.	5
AGPR 112, Feeds and Feeding	5
BIOL& 213, Majors Plant	5
MATH& 142, Precalculus II.	5
Total Credits	**20**

Quarter Three	Credits
AGPR 115, Animal Health and Disease	5
AGRI 201, Microeconomics in Agriculture	5
BIOL& 212, Majors Animal.	5
Total Credits	**15**
Year One Total	**55**

YEAR TWO

Quarter One	Credits
AGPR 100, Intro. to Agriculture and Natural Resource Careers	3
CHEM& 161, General Chemistry I w/Lab	5
HIST& 126, World Civilization I	5
PHYS& 114, General Phys I w/Lab	5
Total Credits	**18**

Quarter Two	Credits
CHEM& 162, General Chemistry II w/Lab	5
HIST& 127, World Civilization II.	5
MATH& 146, Introduction to Statistics	5
PHYS& 115, General Phys II w/Lab.	5
Total Credits	**20**
Quarter Three	**Credits**
CHEM& 163, General Chemistry III w/Lab	5
CMST& 220, Public Speaking	5
PHYS& 116, General Phys III w/Lab	5
Total Credits	**15**
Year Two Total	**53**
Grand Total	**108**

EPC: 107T

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

Animal Science Certificate

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

Certificate available at/via: [Walla Walla]

Certificate Outcomes:

- Recognize and discuss the management procedures within specific production schemes for each species of farm animals (as studied in this program).
- Develop a working knowledge of animal anatomy and physiology (those animals studied in this program). Use this knowledge to help in diagnosing certain physical ailments and common health problems of farm animals.
- Develop a working knowledge of animal nutrition and health as it relates to animal feeds and ration requirements for common farm animals (cattle, sheep, hogs, horses).
- Identify the basic principles of animal development for the production of mean products for human consumption, to include food safety, nutritive value, inspection, and grading

Year One

Quarter One	Credits
AGPR 110, Livestock Production.	5
AGPR 120, Agricultural Chemistry.	5
AGRI 102, Farm Records and Analysis	5
Total Credits	**15**
Quarter Two	**Credits**
AGPR 112, Feeds and Feeding	5
AGPR 140, Agriculture Safety and Pesticides	5
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
IFA 022, AHA Heartsaver First Aid/CPR	.4
Total Credits	**15.4**
Quarter Three	**Credits**
ACOM 102, Communication in the Workplace (O).	5
AGPR 115, Animal Health and Disease	5
AGPR 197, Project Design	1
Elective**	5
Total Credits	**16**
Year One Total	**46.4**
Grand Total	**46.4**

EPC: 107C

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** Advisor approved AGRI, AGPR, ENT, EV, or WTM elective.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 105, MATH& 141

(O) - ACOM 102, CMST 201

Associate in Applied Sciences in Animal Science

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

Degree available at/via: [Walla Walla]

Degree Outcomes:

- Recognize and discuss the management procedures within specific production schemes for each species of farm animals (as studied in this program).
- Develop a working knowledge of animal anatomy and physiology (those animals studied in this program). Use this knowledge to help in diagnosing certain physical ailments and common health problems of farm animals.
- Develop a working knowledge of animal nutrition and health as it relates to animal feeds and ration requirements for common farm animals (cattle, sheep, hogs, horses).
- Identify the basic principles of animal development for the production of mean products for human consumption, to include food safety, nutritive value, inspection, and grading.
- Develop a basic understanding of the factors involved in the marketing of farm animals for profit.

Year One

Quarter One	Credits
AGPR 110, Livestock Production.	5
AGPR 120, Agricultural Chemistry.	5
AGRI 102, Farm Records and Analysis	5
Total Credits	**15**
Quarter Two	**Credits**
AGPR 112, Feeds and Feeding	5
AGPR 140, Agriculture Safety and Pesticides	5
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)*	5
IFA 022, AHA Heartsaver First Aid/CPR	.4
Total Credits	**15.4**
Quarter Three	**Credits**
AENG 100, Writing in the Workplace (W)	5
AGPR 115, Animal Health and Disease	5
AGPR 197, Project Design	1
Elective**	5
Total Credits	**16**
Year One Total	**46.4**

Year Two

Quarter One	Credits
AGPR 113, Cultivated Plants	5
AGPR 116, Livestock Selection and Carcass Evaluation	5
AGPR 199, Special Topics	1
AGPR 297, Special Project	1
AGRI 201, Microeconomics in Agriculture	5
Total Credits	**17**
Quarter Two	**Credits**
AGPR 201, Basic Soil Science	5
AGPR 274, Beef Cattle Production	5
AGRI 221, Introduction to Food and Agricultural Markets	5
Agriculture Elective***	5
Total Credits	**20**
Quarter Three	**Credits**
ACOM 102, Communication in the Workplace (O)	5
AGPR 224, Pasture and Range Management	5
AGRI 222, Agricultural and Water Policy	5
Total Credits	**15**
Year Two Total	**52**
Grand Total	**98.4**

EPC: 107

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** Advisor approved AGRI, AGPR, ENT, or EV elective.*

**** Ag Electives: 5-15 credits. Must choose either AGRI 221 or AGRI 220. Additional elective credit may include AGRI 211, 220, or WTM 112.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 105, MATH& 141, MATH& 146

(O) - ACOM 102, CMST& 210, CMST& 220

Agriculture - Plant and Soil Science

CERT, AAS-T, AAS

http://wwcc.edu/agscience

Matthew Williams *509.527.4696* *matthew.williams@wwcc.edu*

Program available at/via: [Walla Walla][Online (partial)]

Department Overview: The Agriculture program offers several degree tracks for students which include Plant and Soil Science, Ag Business, Animal Science, and Precision Ag. Certificate, Associate in Applied Sciences degrees (AAS) and transfer options are available.

Agriculture Science combines the fields of biology and chemistry with a practical understanding of crop 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 management. These objectives are accomplished with lecture/discussion periods, lab exercises, and field trips to production enterprise areas. Many 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.

Program Level Outcomes:

- Provide students with the highest level of instruction by offering the latest concepts in agriculture.
- To attract, retain, and graduate competent students into the Agriculture Science industry.
- Keep program on "cutting edge" of agriculture by involving industry in curriculum development and verification of student learning outcomes.
- Articulate the Agriculture Science program horizontally with other related WWCC programs, and vertically, with regional high schools and universities.
- Educate and graduate students who possess the knowledge and skills to participate in the agriculture industry with confidence, or continue their education at the university level with the same confidence.

Degrees: Students may earn an Associate in Applied Sciences Degree in Plant and Soil 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. A Plant and Soil Science Certificate is available upon completion of the first year of study.

For those students interested in attending a baccalaureate institution, WWCC offers a number of articulation agreements in Agriculture Science. This allows students to complete a degree at WWCC before transferring to a specific program at a baccalaureate institution. Areas of study include General Ag, Horticulture, Rangeland, and Crop and Soil Science.

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

Entrance Requirements: Students may enter the program fall, winter, spring, or summer quarter. In order to start this program, the placement process must be completed through the Testing Center. Visit wwcc.edu/placement for more information.

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.careerbridge.wa.gov.

The Agriculture Center of Excellence is a flagship institution connecting education and industry to create a highly skilled and readily available workforce. The Center of Excellence addresses workforce training needs and education for the agricultural industry by supporting the community and technical college system, as well as collaborating with the K-12 system and four-year colleges/universities. Visit www.agcenterofexcellence.com for more information.

Degrees

Associate of Applied Science-Transfer in Ag Science & Tech-Organic Agriculture

YEAR ONE

Quarter One	Credits
AGPR 113, Cultivated Plants	5
CHEM& 121, Intro to Chemistry or CHEM& 161, General Chemistry I w/Lab	5
HIST& 127, World Civilization II.	5
Total Credits	**15**
Quarter Two	**Credits**
AGPR 114, Plant Physiology.	5
AGRI 221, Introduction to Food and Agricultural Markets.	5
Elective**	5
CHEM& 122, Introduction to Organic Chemistry or CHEM& 162, General Chemistry II w/Lab.	5
Total Credits	**20**
Quarter Three	**Credits**
AGRI 201, Microeconomics in Agriculture	5
CMST& 220, Public Speaking	5
CHEM& 123, Introduction to Biochemistry or CHEM& 163, General Chemistry III w/Lab.	5
ENGL& 101, English Composition I	5
Total Credits	**20**
Quarter Four	**Credits**
AGRI 191, Cooperative Work Experience.	1 - 25
Total Credits	**1-25**
Year One Total	**56-80**

YEAR TWO

Quarter One	Credits
AGPR 110, Livestock Production.	5
AGPR 201, Basic Soil Science	5
BIOL& 211, Majors Cellular	5
MATH& 146, Introduction to Statistics	5
Total Credits	**20**
Quarter Two	**Credits**
AGPR 202, Soils Fertility and Management	5
ART& 100, Art Appreciation.	5
BIOL& 213, Majors Plant	5
Total Credits	**15**
Quarter Three	**Credits**
AGPR 105, Weed Biology and Identification	5
AGRI 211, Small Business Management	5
BIOL& 212, Majors Animal.	5
Total Credits	**15**
Year Two Total	**50**
Grand Total	**106-130**

EPC: 108V

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** Approved electives can be any AGPR,AGRI,WTM,ENT, or E&V.*

Associate of Applied Science-Transfer in Ag Science & Tech-Food Science

YEAR ONE

Quarter One	Credits
CHEM& 161, General Chemistry I w/Lab	5
HIST& 126, World Civilization I	5
NUTR& 101, Nutrition	5
PHYS& 114, General Phys I w/Lab	5
Total Credits	**20**
Quarter Two	**Credits**
CHEM& 162, General Chemistry II w/Lab	5
HIST& 127, World Civilization II.	5
PHYS& 115, General Phys II w/Lab.	5
Total Credits	**15**
Quarter Three	**Credits**
AGRI 201, Microeconomics in Agriculture	5
CHEM& 163, General Chemistry III w/Lab	5
ENGL& 101, English Composition I	5
HIST& 128, World Civilization III	5
Total Credits	**20**
Year One Total	**55**

YEAR TWO

Quarter One	Credits
BIOL& 211, Majors Cellular	5
CMST& 220, Public Speaking	5
MATH& 151, Calculus I	5
Total Credits	**15**
Quarter Two	**Credits**
AGRI 221, Introduction to Food and Agricultural Markets.	5
ART& 100, Art Appreciation.	5
BIOL& 213, Majors Plant	5
MATH& 152, Calculus II.	5
Total Credits	**20**
Quarter Three	**Credits**
BIOL& 212, Majors Animal.	5
BIOL& 260, Microbiology	5
MATH& 146, Introduction to Statistics	5
Total Credits	**15**
Year Two Total	**50**
Grand Total	**105**

EPC: 108U

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

Associate of Applied Science-Transfer in Plant and Soil Science

This degree provides the science and general education courses appropriate for the student who is planning a future transfer to a Bachelor of Science in Field Crop Management at Washington State University.

Degree available at/via: [Walla Walla]

Year One

Quarter One	Credits
AGPR 113, Cultivated Plants	5
CHEM& 121, Intro to Chemistry or CHEM& 161, General Chemistry I w/Lab	5
ENGL& 101, English Composition I	5
WTM 112, Irrigation Principles	5
Total Credits	**20**

Quarter Two	Credits
AGPR 114, Plant Physiology	5
CHEM& 122, Introduction to Organic Chemistry or CHEM& 162, General Chemistry II w/Lab	5
ENT 150, Introduction to GIS	3
MATH& 141, Precalculus I	5
Total Credits	**18**

Quarter Three	Credits
AGRI 201, Microeconomics in Agriculture	5
AGRI 221, Introduction to Food and Agricultural Markets	5
CHEM& 123, Introduction to Biochemistry or CHEM& 163, General Chemistry III w/Lab	5
ENT 151, Advanced GIS	3
Total Credits	**18**
Year One Total	**56**

Year Two

Quarter One	Credits
AGPR 201, Basic Soil Science	5
BIOL& 211, Majors Cellular	5
CMST& 220, Public Speaking	5
Elective**	3
Total Credits	**18**

Quarter Two	Credits
AGPR 105, Weed Biology and Identification	5
AGPR 140, Agriculture Safety and Pesticides	5
AGPR 202, Soils Fertility and Management	5
BIOL& 213, Majors Plant	5
Total Credits	**20**

Quarter Three	Credits
AGRI 211, Small Business Management	5
BIOL& 212, Majors Animal	5
MATH& 146, Introduction to Statistics	5
Total Credits	**15**
Year Two Total	**53**
Grand Total	**109**

EPC: 108T

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** Approved electives can be any AGPR,AGRI,WTM,ENT, or E&V.*

Plant and Soil Science Certificate

Certificate available at/via: [Walla Walla]

Certificate Outcomes:

- Develop an integrated weed control program that will adequately control the weed population when given a certain crop and the weeds that are considered problems.
- Perform calculations to determine the amount of herbicide to add to the spray tank and the amount of chemical applied to the target area with 1% tolerance limits when given a sample problem.
- Recognize how the quality of crop products produced relates to the nutritional requirements of farm animals.
- Develop a comprehensive knowledge of plant anatomy, morphology and physiology. Utilize this knowledge to help diagnose plant production problems and develop management schemes to correct the problems.

Year One

Quarter One	Credits
AGPR 113, Cultivated Plants	5
AGPR 120, Agricultural Chemistry	5
AGRI 102, Farm Records and Analysis	5
Total Credits	**15**

Quarter Two	Credits
AENG 100, Writing in the Workplace (W)	5
AGPR 140, Agriculture Safety and Pesticides	5
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
IFA 022, AHA Heartsaver First Aid/CPR	.4
Total Credits	**15.4**

Quarter Three	Credits
AGPR 105, Weed Biology and Identification	5
AGPR 114, Plant Physiology	5
AGPR 197, Project Design	1
Elective**	5
Total Credits	**16**
Year One Total	**46.4**
Grand Total	**46.4**

EPC: 108C

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** Approved electives can be any AGPR,AGRI,WTM,ENT, or E&V.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100

(M) - AMATH 105, MATH& 141

(R) - ACOM 102

Associate in Applied Sciences Degree in 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.

Degree available at/via: [Walla Walla]

Degree Outcomes:

- Develop an integrated weed control program that will adequately control the weed population when given a certain crop and the weeds that are considered problems.
- Perform calculations to determine the amount of herbicide to add to the spray tank and the amount of chemical applied to the target area with 1% tolerance limits when given a sample problem.
- Recognize how the quality of crop products produced relates to the nutritional requirements of farm animals.
- Develop a soil analysis and fertility program for a designated crop to include a cost analysis.
- Place a chemical in its proper toxicity category and identify safety precautions necessary in its application and use when given a LD50 value of a certain pesticide product.
- Develop a comprehensive knowledge of plant anatomy, morphology and physiology. Utilize this knowledge to help diagnose plant production problems and develop management schemes to correct the problems.

Transferability: The AAS 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 113, Cultivated Plants	5
AGPR 120, Agricultural Chemistry	5
AGRI 102, Farm Records and Analysis	5
Total Credits	**15**
Quarter Two	**Credits**
AENG 100, Writing in the Workplace (W)	5
AGPR 140, Agriculture Safety and Pesticides	5
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
IFA 022, AHA Heartsaver First Aid/CPR	.4
Total Credits	**15.4**
Quarter Three	**Credits**
AGPR 105, Weed Biology and Identification	5
AGPR 114, Plant Physiology	5
AGPR 197, Project Design	1
Elective**	5
Total Credits	**16**
Year One Total	**46.4**

YEAR TWO

Quarter One	Credits
AGPR 215, Field Crop Production	5
AGPR 297, Special Project	1
Animal Science/Irrigation Elective***	5
Computer Science/Ag Elective****	5
Total Credits	**16**
Quarter Two	**Credits**
ACOM 102, Communication in the Workplace (O)	5
AGPR 201, Basic Soil Science	5
AGPR 230, Plant Diseases and Insects	5
Agri Elective*****	5
Total Credits	**20**
Quarter Three	**Credits**
AGPR 199, Special Topics	1
AGPR 202, Soils Fertility and Management	5
AGRI 103, Intro to Precision Ag for Farm Management	5
AGRI 222, Agricultural and Water Policy	5
Total Credits	**16**
Year Two Total	**52**
Grand Total	**98.4**

EPC: 108

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** Approved electives can be any AGPR,AGRI,WTM,ENT, or E&V.*

**** Animal Science/Irrigation Elective: Choose either WTM 112 or AGPR 110.*

***** Computer Science/Ag Elective: choose 5-10 credits of AGRI 108, any AGPR, AGRI, or TURF class.*

****** AGRI Elective: Choose 5-10 credits of AGRI 201, AGRI 221.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 105, MATH& 141, MATH& 146

(O) - ACOM 102, CMST& 210

Allied Health & Safety Education

CERT

http://www.wwcc.edu/alliedhealth

Angelica Can	*509.527.4589*	*angelica.can@wwcc.edu*
Jodi Worden	*509.527.4331*	*jodi.worden@wwcc.edu*

Program available at/via: [Walla Walla][Clarkston]

Department Overview: The purpose of Allied Health & 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 Allied Health & Safety Education department provides a wide variety of public and health education programs which include: Emergency Medical Technician (EMT), First Aid, CPR for Healthcare Providers, Nursing Assistant, Phlebotomy, Medical Assisting, Spanish Medical Interpreter, Fire Science - certificate and AAS degree, Patient Navigator and a distance learning program partnership in Medical Laboratory Technology (Wenatchee Valley College).

The Phlebotomy Technician course is offered during spring quarter on the Walla Walla campus. The following is a list of courses offered to help students obtain necessary requirements for state certification and/or provide enrichment for increased information: Phlebotomy, HIV/AIDS Education, OTEP Training, First Aid, and CPR (Heartsaver and Healthcare Provider).

The Allied Health & Safety Education Department also offers a variety of Healthcare Education opportunities for both students and providers to include: Pharmacology, Spanish for the Medical Experience, Transcultural Competency for Health Professionals, Medical Vocabulary, Survey of Healthcare Careers, Bilingual Spanish/English in the Workplace, Success Strategies for Healthcare Education, Suicide Prevention for Healthcare Providers, Physical Assessment, Patient Navigation, and continuing education conferences. These courses are offered as needed to our community of interest and student body.

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 healthcare 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 do not require high school diploma or GED® but have basic requirements such as reading, writing, and language proficiency requirements.

Other Information: Funding is sometimes available through various agencies for these programs.

Allied Health & Safety Education includes the following departments: Cardio Pulmonary Resuscitation (CPR), Fire Science (FCA), Health Occupations (HO), Industrial First Aid (IFA). Please see specific program sections for certificate information.

Degrees and Certificates

Phlebotomy

Endorsements are provided in selected Professional-Technical Programs consisting of less than 20 credit hours and are designed to provide basic entry-level skills. This endorsement is designed to prepare the student to collect, handle, and process blood specimen for analysis in clinical settings. The student is eligible to take a national certification exam at the conclusion of the instruction. Students must earn a minimum of a C (2.0) in order to earn a Certificate of Completion.

Certificate available at/via: [Walla Walla]

Transferability: For those students that elect to continue a program of study, the completed course credits may also be applied toward certificates or degrees in related program area.

YEAR ONE

Quarter Three	Credits
HO 106, Phlebotomy Technician Program *	9
Total Credits	**9**
Year One Total	**9**
Grand Total	**9**

EPC: 382

** This course is taught in winter quarter on the Walla Walla Community College Clarkston Campus and in the Spring on the Walla Walla Campus.*

Emergency Medical Technician (EMT)

Endorsements are provided in selected Professional-Technical Programs consisting of less than 20 credit hours and are designed to provide basic entry-level skills. This endorsement provides the student with the basic knowledge necessary provide proper emergency care in a pre-hospital setting to victims of accidents or illness. Students who successfully complete the program will be eligible to take the National Registry EMT exam. Students must earn a minimum of a C (2.0) in order to earn a Certificate of Completion.

Certificate available at/via: [Walla Walla]

Transferability: For those students that elect to continue a program of study, the completed course credits may also be applied toward certificates or degrees in related program areas.

YEAR ONE

Quarter One	Credits
HO 130, Emergency Medical Technician Program	10
Total Credits	**10**
Year One Total	**10**
Grand Total	**10**

EPC: 364

Medical Scribe Endorsement

The Medical Scribe Endorsement prepares students who have already completed an accredited Medical Assistant program to perform the duties of an entry-level Medical Scribe. The endorsement courses combine cognitive learning and practice of psychomotor skills in the classroom. Practicum experience in local outpatient clinics and physician offices will allow students to observe and practice skills gained in the classroom. Medical Assistants who train as Medical Scribes are skilled professionals who, apart from having specific training to work in a physician's office or clinic, have the added responsibility of documenting the physician's dictation. This documentation includes but is not limited to, patient history, examination findings, procedures, lab results and medications.

YEAR ONE

Quarter One	Credits
BUS 025, Keyboard Skillbuilding *	1 - 3
BUS 231, Electronic Medical Records	5
Total Credits	**6-8**
Quarter Two	**Credits**
BUS 138, Document Editing	5
Total Credits	**5**

Quarter Three	Credits
HO 193, Medical Scribe Practicum	5
Total Credits	**5**
Year One Total	**16-18**
Grand Total	**16-18**

EPC: 328S

** This course can be taken in any quarter in advance of Spring Practicum.*

Patient Navigation

This curriculum examines the inter-relationships and intricacies of the very complex health and community services system and identifies the role of the Patient Care Navigator in assisting the patient to effectively maneuver within the system. For ease of access and cost, this curriculum is offered fully online and the student can enroll in one class at a time or all seven of the classes which will lead to a short-term certificate in Patient Navigation.

Certificate available at/via: [Online (full)]

Certificate Outcomes:

- Define the role and function of patient care navigation and how it fits into the care team.
- Describe the need for patient advocacy and care coordination in today's complex health care system.
- Identify skills needed for effective patient care navigation.

Year One

Quarter One	Credits
HO 142, Survey of Patient Navigation	1
HO 143, The Patient Experience	1
HO 144, The Medical Team	1
HO 145, The Whole Patient	1
HO 146, The Communication Link.	1
HO 147, The Navigator as Coach.	1
HO 148, The Navigator Skills	1
Total Credits	**7**
Year One Total	**7**
Grand Total	**7**

EPC: 310S

American Sign Language

http://www.wwcc.edu/asl

Chad Miltenberger- Clk *509.758.1711* *chad.miltenberger@wwcc.edu*

Program available at/via: [Clarkston]

Department Overview: The American Sign Language department strives to provide students with basic sign language vocabulary and exposure to deaf culture. Learn to communicate in a conversation with deaf or hearing impaired individuals and recognize facial expressions.

Anthropology

http://wwcc.edu/anthropology

Jan Kruper *509.527.4319* *jan.kruper@wwcc.edu*

Program available at/via: [Walla Walla]

Department Overview: Anthropology examines the origin as well as the physical, social and cultural development of humans. Anthropologists 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.

Program Level Outcomes:

- The ability to analyze past and present society, diverse cultures and histories to better understand individual and group behavior and enhance self- awareness.
- An understanding and working knowledge of the theories, concepts, ideas, terminology, and factual evidence in selected fields within the social sciences.
- Sensitivity in understanding diverse views and perspectives.
- An understanding of the historically and socially constructed nature of human differences.

Degrees: Students may earn an Associate in Arts AA-DTA degree (90 credits) which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should meet with an academic advisor at WWCC and an advisor at their intended baccalaureate institution to determine an appropriate educational plan. (See AA-DTA in Degrees section of catalog.

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

Applied Instruction

https://dept.wwcc.edu/applied-instruction/

Program available at/via: [Walla Walla][Clarkston]

Department Overview: Walla Walla Community College offers related instruction coursework in communications, computation, human relations, and writing to support students completing applied professional technical degrees and/or certificate training programs. Courses are designed to meet employer demand in creating a competitive, productive, innovative and disciplined workforce and meet the NWCCU related instruction requirements for certificate programs of 45 credits in length- Standard 2.C.9.

Applied Management & Entrepreneurship

https://www.wwcc.edu/bas-ame/

Department Overview: Walla Walla Community College is now offering two BACHELOR OF APPLIED SCIENCE degrees. A Bachelor of Applied Science degree adds junior and senior levels to two-year professional-technical degrees. Applied baccalaureate degrees offer the best of both worlds: hands-on career training embedded within a four-year degree. Employers seek graduates because they have technical expertise combined with communication, computation, critical thinking and people-management skills.

Art

http://wwcc.edu/art

Lisa Rasmussen *509.527.1873* *lisa.rasmussen@wwcc.edu*
Warren Rood *509.527.4239* *warren.rood@wwcc.edu*

Program available at/via: [Walla Walla][Clarkston]

Department Overview: The Art Department inspires students to unlock their creative potential. The department offers a wide variety of classes designed to introduce non-artists to lifelong learning opportunities and modes of expression, and help serious artists develop their hands-on as well as critical thinking skills. The program is designed to prepare students to enter a four-year degree program.

Program Level Outcomes:

- Analyze culturally diverse works in the visual arts.
- Apply terminology commonly used in the visual arts.
- Produce works that demonstrate the appropriate level of creativity, discipline and techniques in the visual arts.

Degrees: Students may earn an Associate in Arts AA-DTA degree (90 credits) which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should meet with an academic advisor at WWCC and an advisor at their intended baccalaureate institution to determine an appropriate educational plan. (See AA-DTA in Degrees section of catalog)

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 work closely with their advisor and 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. Studies in computer graphics will contribute to the success of a professional career in art and design.

Post-secondary 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. 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.

Other Information: The Art Department is part of the Performing and Visual Arts Division. This Division provides a safe and inclusive learning environment, working to support the creative potential of all WWCC students. The Art Department collaborates with the Drama, Dance, and Music Departments to provide a variety of venues to feature student work. These include displays in the WWCC Fine Arts Gallery, as well as creating original art for display alongside music, dance, and drama productions on the WWCC campus.

The Art 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.

Astronomy

http://wwcc.edu/astronomy

Program available at/via: [Walla Walla]

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.

Program Level Outcomes:

- An understanding of discipline specific terminology and methods.
- An ability to correctly use discipline specific tools and /or techniques.
- Critical thinking skills necessary in science including appropriate study techniques, problem solving skills and the use of data to assess the validity of claims.
- The ability to research, interpret and communicate concepts obtained from scientific literature.
- An understanding of the relationships between course concepts and society, including the impact of course specific technology.

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. (See AS Option II in the Degrees section of the catalog.)

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

Automotive Repair Technology

CERT, AAS

https://www.wwcc.edu/autorepairbi

Andre Demers *509.527.4693* *andre.demers@wwcc.edu*

Program available at/via: [Walla Walla]

Department Overview: Automotive Repair Technology provides intensive career preparation through a combination of classroom instruction and hands-on application. The program is accredited and certified by the National Automotive Technicians Education Foundation (NATEF), and is led by Automotive Service Excellence (ASE) master certified instructors. Instructors provide students the fundamental knowledge and experience needed to become entry level technicians in the automotive industry. The Automotive Repair Technology curriculum is reviewed by an advisory board composed of local and regional industry members annually.

Program Level Outcomes:

- Maintain ASE/NATEF 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/NATEF program of instruction.

- Maintain and enhance high school and university articulation agreements.
- Keep curriculum up-to-date with input from industry through the Automotive Repair Technology advisory committee.
- Secure automotive industry support for provision of equipment and training materials.

Degrees: Students may earn an Associate of Applied Sciences Degree in Automotive Repair Technology upon completion of the two-year program of study. An Automotive Repair Technology Certificate is available upon completion of the first year of study in the program.

Students who earn their AAS in Automotive Repair Technology may also earn a dual degree in Diesel Technology or Auto Body Repair Technology. Please speak with your instructor about the required and specific classes needed.

Students wishing to transfer to Montana State University Northern (MSUN) located in Havre, MT to obtain a bachelor of science degree in automotive technology must successfully complete the Automotive Repair Technology AAS degree prior to transferring to MSUN. Successful completion of specific support classes at WWCC is necessary for transfer to MSUN. See WWCC Automotive Repair Technology program director for more information.

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 such as alternative fuel vehicles 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: electronic diagnostic scan tools to diagnose and repair on-board computer systems; power tools such as pneumatic wrenches to remove bolts quickly; machine tools like lathes to service brakes; grinding machines to rebuild cylinder heads; 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 program director/lead instructor regarding appropriate program placement. For more information, please contact at 509..527.3659, or autotech@wwcc.edu

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

Degrees and Certificates

Advanced Automotive Repair Technology Certificate

Certificate available at/via: [Walla Walla]

YEAR ONE

Quarter One	Credits
AMM 152, Engine Performance II	13
AMM 232, Air Conditioning and Heating II	4
Total Credits	**17**
Year One Total	**17**
Grand Total	**17**

EPC: 712F

Automotive Repair Technology Certificate

The certificate is equivalent to the first year of the AAS Degree in Automotive Repair Technology.

Certificate available at/via: [Walla Walla]

Certificate Outcomes:

- Demonstrate principles, operation, diagnosis and service of gasoline engines.
- Demonstrate principles, operation, diagnosis and service of automatic transaxles and transmissions.
- Demonstrate principles, operation, diagnosis and service of manual drivetrain systems.
- Demonstrate principles, operation, diagnosis and service of suspension and steering systems.
- Demonstrate principles, operation, diagnosis and service of brake systems.
- Demonstrate principles, operation, diagnosis and service of electrical and electronic systems.
- Demonstrate principles, operation, diagnosis and service of heating and air conditioning systems.
- Demonstrate principles, operation, diagnosis and service of engine performance systems.
- Demonstrate shop procedures and repair procedures with the correct tools and equipment in a safe environmentally friendly manner.
- Effectively communicate to problem solve with team in an automotive repair shop.
- Write clear and concise automotive service reports.

YEAR ONE

Quarter One	Credits
AMM 100, Automotive Maintenance and Light Repair	5
AMM 101, Automotive Maintenance and Light Repair Lab	10
Total Credits	**15**
Quarter Two	**Credits**
ACOM 102, Communication in the Workplace (O)	5
AMM 110, Automotive Maintenance and Light Repair II Lecture	5
AMM 111, Automotive Maintenance and Light Repair II Lab	10
Total Credits	**20**

Quarter Three	Credits
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
AMM 200, Automotive Engines	2.5
AMM 201, Automotive Engines Lab	5
AMM 210, Automotive Electrical	2.5
AMM 211, Automotive Electrical Lab	5
Total Credits	**20**
Year One Total	**55**
Grand Total	**55**

EPC: 712C

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 105, AMATH 106

(O) - ACOM 102, CMST 201, CMST& 210

(R) - BUS 157, PSYC& 100

Associate of Applied Sciences Degree in Automotive Repair Technology

To be eligible to receive the Associate of Applied Sciences in Automotive Repair Technology, the student must successfully complete the required coursework. This schedule is a typical sequence of instruction for students starting Fall Quarter.

Degree available at/via: [Walla Walla]

Degree Outcomes:

- Demonstrate principles, operation, diagnosis and service of gasoline engines.
- Demonstrate principles, operation, diagnosis and service of automatic transaxles and transmissions.
- Demonstrate principles, operation, diagnosis and service of manual drivetrain systems.
- Demonstrate principles, operation, diagnosis and service of suspension and steering systems.
- Demonstrate principles, operation, diagnosis and service of brake systems.
- Demonstrate principles, operation, diagnosis and service of electrical and electronic systems.
- Demonstrate principles, operation, diagnosis and service of heating and air conditioning systems.
- Demonstrate principles, operation, diagnosis and service of engine performance systems.
- Demonstrate shop procedures and repair procedures with the correct tools and equipment in a safe environmentally friendly manner.
- Effectively communicate to problem solve with team in an automotive repair shop.
- Write clear and concise automotive service reports.

Year One

Quarter One	Credits
AMM 100, Automotive Maintenance and Light Repair	5
AMM 101, Automotive Maintenance and Light Repair Lab	10
Total Credits	**15**

Quarter Two	Credits
ACOM 102, Communication in the Workplace (O)	5
AMM 110, Automotive Maintenance and Light Repair II Lecture	5
AMM 111, Automotive Maintenance and Light Repair II Lab	10
Total Credits	**20**

Quarter Three	Credits
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
AMM 200, Automotive Engines	2.5
AMM 201, Automotive Engines Lab	5
AMM 210, Automotive Electrical	2.5
AMM 211, Automotive Electrical Lab	5
Total Credits	**20**
Year One Total	**55**

Year Two

Quarter One	Credits
AENG 100, Writing in the Workplace (W)	5
AMM 220, Automotive Manual Transmission	2.5
AMM 221, Automotive Manual Transmission Lab	5.0
AMM 230, Automatic Transmissions	2.5
AMM 231, Automatic Transmission Lab	5
Total Credits	**20**

Quarter Two	Credits
AMM 240, Engine Performance	5
AMM 241, Engine Repair Lab	10
Total Credits	**15**

Quarter Three	Credits
AMM 250, Suspension and Alignment	3
AMM 251, Suspension and Steering Lab	2
AMM 260, Automotive Brake Systems	3
AMM 261, Automotive Brake Systems Lab	2
AMM 270, Passenger Comfort Systems	3
AMM 271, Passenger Comfort Lab	2
Total Credits	**15**
Year Two Total	**50**
Grand Total	**105**

EPC: 712

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 105, AMATH 106

(O) - ACOM 102, CMST 201, CMST& 210

(R) - BUS 157, PSYC& 100

Bachelor of Applied Science

http://www.wwcc.edu/bas/

Cristina Crawford *509..527.4260* *cristina.crawford@wwcc.edu*

Department Overview: Walla Walla Community College currently offers two BACHELOR OF APPLIED SCIENCE degrees. A Bachelor of Applied Science degree adds junior and senior levels to two-year professional-technical degrees. Applied baccalaureate degrees offer the best of

both worlds: hands-on career training embedded within a four-year degree. Employers seek graduates because they have technical expertise combined with communication, computation, critical thinking and people-management skills.

Degrees

Bachelor of Applied Science in Applied Management and Entrepreneurship

Like other bachelor's degree programs in management, WWCC's BAS in Applied Management and Entrepreneurship prepares you for leadership positions. While traditional business programs focus on theory, an applied management program emphasizes hands-on application of management practices and knowledge. In addition to in-class projects, our program includes a capstone course to give you an opportunity to apply your skills to real-world scenarios. Students who achieve a Bachelor of Applied Science degree in Applied Management and Entrepreneurship may also continue their education and enroll in graduate programs.

Entry Requirements: Applicants for the Bachelor of Applied Science in Applied Management and Entrepreneurship (BAS AME) must have: • Achieved at least an associate-level degree

- Completed the following courses prior to acceptance in the program: o ENGL& 101 English Composition I or AENG 100 Writing in the Workplace
- ACCT& 201 Principles of Accounting I
- BUS& 101 Introduction to Business
- BUS 157 Human Relations in Business

Note: Substitutions may apply for applicants with degrees from other colleges. Contact the Baccalaureate Navigator for assistance or questions regarding the entrance requirements.

General Education Requirements (60 Credits)

Communications 15 Credits

ENGL& 101 English Composition I 5
ENGL& 235 Technical Writing. 5
CMST 201 or CMST& 210 or CMST& 220 Intercultural Communications or Interpersonal Communications or Public Speaking. 5

Quantitative Skills 5 Credits

MATH& 146 Introduction to Statistics 5

Humanities 10 Credits

PHIL 131 Introduction to Ethics 5
PHIL 330 Professional Ethics 5

Social Science 15 Credits

BUS& 101 Introduction to Business. 5
ECON& 201 Fundamentals of Microeconomics 5
ECON& 202 Fundamentals of Macroeconomics 5

Natural Science 10 Credits

Science Course. 5
Science Course with Lab. 5

General Education Electives 5 Credits

Elective 5

Lower Division Major Course Requirements (60 Credits)

Students must also complete the following lower division major courses (Some substitutions may apply for applicants with degrees from other institutions. Contact the Baccalaureate Navigator for assistance.):

AENG 100 Writing in the Workplace 5
ACCT& 201 Principles of Accounting I 5
BUS 157 Human Relations in Business 5
BUS 194 Small Business Management 3
BUS 210 Principles of Marketing. 3
BUS& 201 Business Law I 5
CS 110 Introduction to Computers and Applications. 5
Degree Program Required Courses 25
Comprised of related courses required to complete an AAS degree. The Baccalaureate Navigator must approve the courses.

Upper Division Major Course Requirements (65 Credits)

Students must complete the following courses with a C or better:

BUS 300 Foundations of Management. 5
BUS 310 Foundations of Leadership 5
BUS 330 Human Resources for Managers 5
BUS 340 Marketing Management. 5
BUS 350 Entrepreneurial Finance 5
BUS 360 Project Management 5
BUS 370 Management Information Systems 5
BUS 410 Operations Management & Logistics 5
BUS 420 Business Strategy and Sustainability 5
BUS 430 International Business 5
BUS 450 Financial Management. 5
BUS 495 AME Capstone 5
PHIL 330 Professional Ethics 5
Note: Part-time options are available. Please contact the Baccalaureate Navigator for details.

EPC: 50B

Bachelor of Applied Science in Agricultural Systems

Department Overview: Agricultural systems science is an interdisciplinary science, which systematically analyzes the interactions between the natural, human, climatic, political and economic components of the agroecosystem. The Agricultural Systems degree at WWCC provides successful students with a broad and complete understanding of these complex interactions. Students will learn to adjust current pathways as well as identify new pathways to minimize the many potential negative effects on environmental, societal and human health. In addition to classes in foundational agricultural knowledge, like that of basic soil, plant and animal science, students will be engaged in topics such as agroecology, policy, technology and sustainability to develop their critical thinking skills. This perspective is essential for meeting the increasing demands placed on today's agricultural systems. The Agricultural Systems degree prepares students to make an active contribution to the agricultural industry through hands-on exposure to diverse experiences and perspectives grounded in applied science and reality. Students who achieve a Bachelor of Applied Science degree in Agricultural Systems may also continue their education and enroll in graduate programs.

BACHELOR OF APPLIED SCIENCE

Entry Requirements: Applicants for the Bachelor of Applied Science in Agricultural Systems must have**:**

- Achieved at least an associate-level degree
- Completed the following courses prior to acceptance in the program:
  ENGL& 101 English Composition I
  AGPR 201 Basic Soil Science
- At least one of the following plant science courses:
  AGPR 113 Cultivated Plants
  AGPR 114 Plant Physiology
  AGPR 215 Field Crop Production
  BIOL& 213 Plant Biology
- At least one of the following economics courses:
  AGRI 201/ECON& 201 Microeconomics
  AGRI 221 Introduction to Food and Agricultural Markets
  AGRI 222/POLS 222 Agricultural and Water Policy

Note: Substitutions may apply for applicants with degrees from other colleges. Contact the Baccalaureate Navigator for assistance or questions regarding the entrance requirements.

General Education Requirements (60 Credits)

Communications 15 Credits

ENGL& 101 English Composition I 5
ENGL& 235 Technical Writing 5
CMST 201 or CMST& 210 Intercultural Communications or Interpersonal Communications 5

Quantitative Skills 5 Credits

MATH& 146 Introduction to Statistics 5

Humanities 10 Credits

PHIL 131 Introduction to Ethics 5
PHIL 330 Professional Ethics 5

Social Science 15 Credits

AGRI 201 or ECON& 201 Microeconomics in Agriculture or Microeconomics 5
HIST 105 or SOC& 101 Roots of World Issues or Introduction to Sociology 5
AGRI 222/POLS 222 Agricultural and Water Policy 5

Natural Science 15 Credits

AGPR 130 Fundamental Agroecology 5
AGPR 201 Basic Soil Science 5
GEOG 212 Introduction to Climate with Lab 5

Lower Division Major Course Requirements (66 Credits)

AGPR 113* Cultivated Plants 5
AGPR 120** Agricultural Chemistry 5
AGPR 140 Agriculture Safety and Pesticides 5
AGPR 202 Soils Fertility and Management 5
AGPR 215 Field Crop Production*** 5
AGPR 224 Pasture and Range Management 5
AGPR 230 or AGPR 115 Plant Diseases and Insects or Animal Health and Disease 5
AGRI 221 Introduction to Food and Agricultural Markets 5
ENT 150 Introduction to GIS 3
ENT 151 Advanced GIS 3
ENT 152 Practical Agricultural Applications of GIS 3
WTM 112 Irrigation Principles 5
WTM 220 Drip Irrigation 2
Agricultural Systems Elective**** 10

**AGPR 114 or BIOL& 213 can be substituted for AGPR 113.*

***A college-level chemistry course can be substituted for AGPR 120, upon approval by the BAS instructor.*

****AGRI 103 can be substituted for AGPR 215.*

*****Students will work with the Baccalaureate Navigator to select an approved Agricultural Systems elective.*

Upper Division Major Course Requirements (62 Credits)

Students must complete the following courses with a C or better:

BUS 310 Foundations of Leadership 5
BUS 430 International Business 5
PHIL 330 Professional Ethics 5
SAS 310 Principles of Sustainability 5
SAS 330 Soil Ecology and Biogeochemistry 5
SAS 340 Integrated Pest Management 5
SAS 360 Agricultural Systems Management 5
SAS 420 Political Ecology of Agriculture and Natural Resources . . 5
SAS 440 Advanced Cropping Systems I 5
SAS 450 Advanced Cropping Systems II 5
SAS 470 Food Systems Science 5
SAS 494 Capstone Project Design 1-6
SAS 495 Capstone Project 1

Note: Students may begin upper division coursework in the fall or winter quarter. Part-time options are available. Please contact the Baccalaureate Navigator for details.

EPC: 12C

Bachelor of Applied Science in Agricultural Systems – Ag Business Concentration

Entry Requirements: Applicants for the Bachelor of Applied Science in Agricultural Systems – Ag Business Concentration must have**:**

- Achieved at least an associate-level degree
- Completed the following courses prior to acceptance in the program:
  ENGL& 101 English Composition I
  AGPR 201 Basic Soil Science
- At least one of the following plant science courses:
  AGPR 113 Cultivated Plants
  AGPR 114 Plant Physiology
  AGPR 215 Field Crop Production
  BIOL& 213 Plant Biology
- At least one of the following economics courses:
  AGRI 201/ECON& 201 Microeconomics
  AGRI 221 Introduction to Food and Agricultural Markets
  AGRI 222/POLS 222 Agricultural and Water Policy

Note: Substitutions may apply for applicants with degrees from other colleges. Contact the Baccalaureate Navigator for assistance or questions regarding the entrance requirements.

General Education Requirements (60 Credits)

Communications 15 Credits

ENGL& 101 English Composition I 5
ENGL& 235 Technical Writing. 5
CMST 201 or CMST& 210 Intercultural Communications or Interpersonal Communications 5

Quantitative Skills 5 Credits

MATH& 146 Introduction to Statistics 5

Humanities 10 Credits

PHIL 131 Introduction to Ethics 5
PHIL 330 Professional Ethics 5

Social Science 20 Credits

AGRI 201 or ECON& 201 Microeconomics in Agriculture or Microeconomics 5
AGRI 222/POLS 222 Agricultural and Water Policy 5
ECON& 202 Macroeconomics 5
BUS& 101 or HIST 105 or SOC& 101 Introduction to Business or Roots of World Issues or Introduction to Sociology 5

Natural Science 10 Credits

AGPR 130 Fundamental Agroecology 5
AGPR 201 Basic Soil Science 5

Lower Division Major Course Requirements (61 Credits)

ACCT& 201 Principles of Accounting I 5
ACCT& 202 or BUS 210 Principles of Accounting II or Principles of Marketing 5
AGPR 113 Cultivated Plants* 5
AGPR 140 Agriculture Safety and Pesticides 5
AGPR 202 or AGPR 224 Soil Fertility and Management or Pasture and Range Management 5
AGPR 230 or AGPR 115 Plant Diseases and Insects or Animal Health and Disease 5
AGRI 108 or CS 110 Computers in Agriculture or Introduction to Computers and Applications 5
AGRI 210 Fundamentals of Selling and Customer Service. 3
AGRI 220 Introduction to Finance 5
AGRI 221 Introduction to Food and Agricultural Markets 5
BUS 157 or AGRI 211/BUS 194 Human Relations in Business or Small Business Management 5
BUS& 201 Business Law 5
Agricultural Systems Elective** 3

**AGPR 114 or BIOL& 213 can be substituted for AGPR 113.*

*** Students will work with the Baccalaureate Navigator to select an approved Agricultural Systems elective.*

Upper Division Major Course Requirements (62 Credits)

Students must complete the following courses with a C or better:

BUS 300 or BUS 310 Foundations of Management or Foundations of Leadership 5
BUS 330 Human Resources for Managers 5
BUS 350 or BUS 450 Entrepreneurial Finance or Financial Management 5
BUS 360 or BUS 410 Project Management or Operations Management and Logistics 5
BUS 430 International Business 5
BUS Elective* 5
SAS 310 Principles of Sustainability. 5

Biological Sciences

AS

http://wwcc.edu/biology

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Program available at/via: [Walla Walla][Clarkston]

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 molecules to ecosystems.

Program Level Outcomes:

- An understanding of discipline specific terminology and methods.
- An ability to correctly use discipline specific tools and /or techniques.
- Critical thinking skills necessary in science including appropriate study techniques, problem solving skills and the use of data to assess the validity of claims.
- The ability to research, interpret and communicate concepts obtained from scientific literature.
- An understanding of the relationships between course concepts and society, including the impact of course specific technology.

Degrees: Students may earn an Associate in Science Degree - Option I (90 credits), or an Associate in Biology-DTA/MRP (90 credits). These degrees are applicable to students planning to prepare for upper division bachelor's degree majors in Biology. Please consult with an advisor at WWCC and your intended transfer institution for the most appropriate degree program. (See AS Option I and AA DTA in Degrees section of catalog.)

Preparation for Success: In addition to required chemistry and biology courses, students interested in a major in Biological Science 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.

Degrees

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.

Degree available at/via: [Walla Walla]

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

YEAR ONE

Quarter One	Credits
CHEM& 161, General Chemistry I w/Lab	5
Physical Education Elective	1
ENGL& 101, English Composition I	5
MATH& 141, Precalculus I (M)	5
Total Credits	**16**

Quarter Two	Credits
CHEM& 162, General Chemistry II w/Lab	5
Social Science Elective	5
MATH& 142, Precalculus II (M)	5
Total Credits	**15**

Quarter Three	Credits
BIOL& 211, Majors Cellular	5
CHEM& 163, General Chemistry III w/Lab	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
Science Elective (PHYS& 121 or 221 Recommended).	5
MATH& 151, Calculus I	5
Total Credits	**15**

Quarter Two	Credits
BIOL& 213, Majors Plant	5
Science Elective (PHYS 122 or 202 Recommended).	5
MATH& 152, Calculus II.	5
Total Credits	**15**

Quarter Three	Credits
BIOL& 212, Majors Animal.	5
Physical Education Elective	1
MATH& 153, Calculus III or MATH 201, Statistics*	5
Science Elective (PHYS 123 or 203 Recommended).	2 - 5
Total Credits	**13-16**
Year Two Total	**43-46**
Grand Total	**90-93**

EPC: 004A

Business Administration

CERT, AAS, AA-DTA

http://wwcc.edu/business

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Program available at/via: [Walla Walla][Clarkston][Online (full)]

Department Overview: The Business Administration curriculum is designed for students who wish to gain the skills necessary for employment and advancement in the business administration environment. Successful students will be quire the necessary skills to operate 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.

Program Level Outcomes:

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

Degrees: Students may earn an Associate in Applied Sciences Degree in Business Administration upon completion of the two-year program of study. A Entrepreneurship one-year certificate is available upon completion of the first year of study in the AAS Degree program.

There is also an Associate in Business - DTA Degree for students wishing to pursue a business degree at a Washington public baccalaureate institution. (See AA-DTA in Degrees section of catalog.)

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. In order to start this program, the placement process must be completed through the Testing Center. Visit wwcc.edu/placement for more information.

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 an 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.careerbridge.wa.gov/.

Degrees and Certificates

Medical Billing and Coding Assistant 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. The ability to type 40 WPM is required to complete this certificate.

Certificate available at/via: [Walla Walla] [Clarkston] [Online (partial)]

Certificate Outcomes:

- Demonstrate technical knowledge to perform general office skills proficiently.
- Demonstrate an ability to use appropriate software to complete business-related tasks and requirements.
- Perform duties related to specialty content of study as a medical billing and coding specialist.
- Project ethical work habits to model professional behavior in the workplace.
- Develop critical thinking and problem-solving abilities.
- Function effectively as a team member by applying positive interpersonal interactions.

YEAR ONE

Quarter One	Credits
ACOM 102, Communication in the Workplace (O)	5
BUS 231, Electronic Medical Records	5
BUS 280, Medical Terminology	5
CS 110, Introduction to Computers and Applications	5
Total Credits	**20**
Quarter Two	**Credits**
AENG 100, Writing in the Workplace (W)	5
BUS 112, Business Mathematics (M)	5
BUS 126, Advanced Word Processing Applications	5
BUS 232, Medical Insurance Procedures	5
Total Credits	**20**
Quarter Three	**Credits**
ACCT& 201, Principles of Accounting I	5
BUS 234, Medical Coding	5
BUS& 101, Introduction to Business	5
Total Credits	**15**
Year One Total	**55**
Grand Total	**55**

EPC: 565C

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100

(M) - BUS 112, MATH& 146

(O) - ACOM 102, CMST& 210, CMST& 220

Associate in Applied Sciences Degree in Health Information Technology

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. The ability to type 40 WPM is required to complete this degree.

Degree available at/via: [Walla Walla] [Clarkston] [Online (full)]

Degree Outcomes:

- Demonstrate technical knowledge to perform general office skills proficiently.
- Demonstrate an ability to use appropriate software to complete business-related tasks and requirements.
- Perform duties related to specialty content of study, i.e. medical emphasis.
- Project ethical work habits to model professional behavior in the workplace.
- Develop critical thinking and problem-solving abilities.
- Function effectively as a team member by applying positive interpersonal interactions.

Transferability: The AAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private universities. Most credits are transferable into Bachelor's of Applied Science Degree programs at community colleges in Washington

YEAR ONE

Quarter One	Credits
BUS 231, Electronic Medical Records	5
BUS 280, Medical Terminology	5
CS 110, Introduction to Computers and Applications	5
Total Credits	**15**
Quarter Two	**Credits**
AENG 100, Writing in the Workplace (W)*	5
BUS 112, Business Mathematics (M)	5
BUS 126, Advanced Word Processing Applications	5
BUS 232, Medical Insurance Procedures	5
Total Credits	**20**
Quarter Three	**Credits**
ACCT& 201, Principles of Accounting I	5
BUS 234, Medical Coding	5
BUS& 101, Introduction to Business	5
Total Credits	**15**
Year One Total	**50**

YEAR TWO

Quarter One	Credits
ACOM 102, Communication in the Workplace (O)**	5
BUS 138, Document Editing	5
BUS 217, Computer Software Applications	5
Total Credits	**15**
Quarter Two	**Credits**
BUS 157, Human Relations in Business (R)	5
BUS 224, Microsoft PowerPoint/Desktop Publishing	3
BUS 226, Microsoft Outlook	2
BUS& 201, Business Law I	5
Total Credits	**15**
Quarter Three	**Credits**
BUS 287, Business Project	3
BUS Elective	5
BUS Elective	5
Total Credits	**13**
Year Two Total	**43**
Grand Total	**93**

EPC: 565

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - BUS 112, MATH& 146

(O) - ACOM 102, CMST& 210, CMST& 220

(R) - BUS 157

Administrative Office Assistant Certificate

An Administrative Office Assistant will assist in the clerical operation of the office by keying letters, reports, and other business correspondence. Other duties may include records management, basic bookkeeping, and word processing. An Administrative Office Assistant must display good communication and interpersonal skills. The ability to type 40 WPM is required to complete this certificate.

Certificate available at/via: [Walla Walla] [Clarkston] [Online (partial)]

Certificate Outcomes:

- Demonstrate technical knowledge to perform general office skills proficiently.
- Demonstrate an ability to use appropriate software to complete business-related tasks and requirements.
- Project ethical work habits to model professional behavior in the workplace.
- Develop critical thinking and problem-solving abilities.
- Function effectively as a team member by applying positive interpersonal interactions.

YEAR ONE

Quarter One	Credits
BUS 112, Business Mathematics (M)	5
BUS& 101, Introduction to Business	5
CS 110, Introduction to Computers and Applications	5
Total Credits	**15**
Quarter Two	**Credits**
ACCT& 201, Principles of Accounting I	5
AENG 100, Writing in the Workplace (W)	5
BUS 126, Advanced Word Processing Applications	5
Total Credits	**15**
Quarter Three	**Credits**
ACOM 102, Communication in the Workplace (O)	5
BUS 138, Document Editing	5
BUS 217, Computer Software Applications	5
BUS 224, Microsoft PowerPoint/Desktop Publishing	3
BUS 226, Microsoft Outlook	2
Total Credits	**20**
Year One Total	**50**
Grand Total	**50**

EPC: 559C

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100

(M) - BUS 112, MATH& 146

(O) - ACOM 102, CMST& 210, CMST& 220

Associate in Applied Sciences Degree in Administrative Office Professional

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. The ability to type 40 WPM is required to complete this degree.

Degree available at/via: [Walla Walla] [Clarkston] [Online (partial)]

Degree Outcomes:

- Demonstrate technical knowledge to perform general office skills proficiently.
- Demonstrate an ability to use appropriate software to complete business-related tasks and requirements.
- Project ethical work habits to model professional behavior in the workplace.
- Develop critical thinking and problem-solving abilities.
- Function effectively as a team member by applying positive interpersonal interactions.
- Understand basic accounting functions.

Transferability: The AAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private universities. Most credits are transferable into Bachelor's of Applied Science Degree programs at community colleges in Washington.

YEAR ONE

Quarter One	Credits
BUS 112, Business Mathematics (M)	5
BUS& 101, Introduction to Business	5
CS 110, Introduction to Computers and Applications	5
Total Credits	**15**
Quarter Two	**Credits**
ACCT& 201, Principles of Accounting I	5
ACOM 102, Communication in the Workplace (O)	5
BUS 126, Advanced Word Processing Applications	5
Total Credits	**15**
Quarter Three	**Credits**
ACCT 115, Quickbooks	5
AENG 100, Writing in the Workplace (W)	5
BUS 102, Sales and Customer Service	5
BUS 217, Computer Software Applications	5
Total Credits	**20**
Year One Total	**50**

YEAR TWO

Quarter One	Credits
BUS 138, Document Editing	5
BUS 157, Human Relations in Business (R)	5
ECON& 201, Microeconomics	5
Total Credits	**15**
Quarter Two	**Credits**
BUS 151, Microsoft Excel	5
BUS& 201, Business Law I	5
BUS Elective	5
Total Credits	**15**

Quarter Three	Credits
BUS 224, Microsoft PowerPoint/Desktop Publishing	3
BUS 226, Microsoft Outlook	2
BUS 287, Business Project	3
BUS Elective	5
Total Credits	**13**
Year Two Total	**43**
Grand Total	**93**

EPC: 547

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - BUS 112, MATH& 146

(O) - ACOM 102, CMST 201, CMST& 210

(R) - BUS 157

Entrepreneurship Certificate

Certificate available at/via: [Walla Walla] [Clarkston] [Online (full)]

Certificate Outcomes:

- Apply concepts, methods, processes and functions of management to business operations.
- Demonstrate the ability to communicate clearly and concisely in personal and business communication.
- Establish and maintain effective working relationships in multicultural settings.
- Problem Solving - recognizes problems and devises and implements plan of action.

Year One

Quarter One	Credits
BUS 112, Business Mathematics (M)	5
BUS& 101, Introduction to Business	5
CS 110, Introduction to Computers and Applications	5
Total Credits	**15**

Quarter Two	Credits
ACCT& 201, Principles of Accounting I **	5
AENG 100, Writing in the Workplace (W)	5
BUS 102, Sales and Customer Service ***	5
Total Credits	**15**

Quarter Three	Credits
ACCT 115, Quickbooks	5
ACOM 102, Communication in the Workplace (O)	5
BUS 194, Small Business Management	5
Total Credits	**15**
Year One Total	**45**
Grand Total	**45**

EPC: 502C

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** Can be substituted with BUS 220 Introduction to Finance.*

**** Can be substituted with BUS 210 Principles of Marketing.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100

(M) - BUS 112, MATH& 146

(O) - ACOM 102, CMST& 210, CMST& 220

Associate in Applied Sciences Degree in Business Administration

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 in a variety of industries including: health, legal, computer support and information technology. Students will be prepared to own their own business or work in a leadership role within an existing company.

Degree available at/via: [Walla Walla] [Online (partial)]

Degree Outcomes:

- Demonstrate analytical and critical-thinking skills with direct application to business environments.
- Performs basic computations and approaches practical problems by choosing appropriately from a variety of mathematical techniques.
- Develop and implement appropriate marketing strategies.
- Apply concepts, methods, processes and functions of management to business operations.
- Demonstrate the ability to communicate clearly and concisely in personal and business communication.
- Demonstrate an understanding of budgeting and inventory control systems.
- Apply retail concepts as they relate to apparel and non-apparel merchandise.
- Understand buying and promotion techniques necessary for proper retail management.
- Establish and maintain effective working relationships in multicultural settings.
- Applies Technology to task and understands overall intent and proper procedures for setup and operation.
- Problem Solving - recognizes problems and devises and implements plan of action.
- Creative Thinking - generates new ideas.
- Participates as a member of a team and contributes to group effort.
- Serves Clients/Customers and works to satisfy customers' expectations

Year One

Quarter One	Credits
BUS 112, Business Mathematics (M)*	5
BUS& 101, Introduction to Business	5
CS 110, Introduction to Computers and Applications	5
Total Credits	**15**

Quarter Two	Credits
ACCT& 201, Principles of Accounting I	5
ACOM 102, Communication in the Workplace (O)	5
BUS 102, Sales and Customer Service	5
Total Credits	**15**

Quarter Three	Credits
AENG 100, Writing in the Workplace (W)	5
BUS 157, Human Relations in Business (R)	5
BUS 194, Small Business Management	5
Total Credits	**15**
Year One Total	**45**

YEAR TWO

Quarter One	Credits
BUS 210, Principles of Marketing	5
ECON& 201, Microeconomics	5
BUS Elective	5
Total Credits	**15**

Quarter Two	Credits
BUS 151, Microsoft Excel	5
BUS 215, eMarketing	5
BUS& 201, Business Law I	5
BUS Elective	5
Total Credits	**20**

Quarter Three	Credits
BUS 287, Business Project	3
BUS Elective	5
BUS Elective	5
BUS Elective	5
Total Credits	**18**
Year Two Total	**53**
Grand Total	**98**

EPC: 502

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - BUS 112, MATH& 146

(O) - ACOM 102, CMST 201, CMST& 210

(R) - BUS 157

Cardio-Pulmonary Resuscitation (CPR)

http://www.wwcc.edu/cpr

Angelica Can *509.527.4589* *angelica.can@wwcc.edu*

Program available at/via: [Walla Walla][Clarkston]

Department Overview: The purpose of Allied Health & 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: Allied Health & Safety Education offers Cardiopulmonary Resuscitation (CPR) classes to the general public, healthcare providers and local agencies, and to our students. WWCC Allied Health is affiliated with the American Heart Association and offers AHA courses in Basic Life Support and Heartsaver First Aid. Students may enroll in our scheduled classes each quarter and local businesses or agencies wishing to train staff may arrange for CPR classes on a contract basis. Please contact Allied Health at 509.-527-4589 for more information.

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 healthcare 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.

Career and Academic Education / English Language Acquisition

https://dept.wwcc.edu/cap/

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Program available at/via: [Walla Walla][Clarkston]

Department Overview: Career and Academic Education - English Language Acquisition (ELA) classes are offered to limited English proficient students to develop communication skills, function effectively in jobs, pursue a higher degree, and participate as members of the community. Course pathways include Adult High School 21+ program, GED® tests, college, or current or future work. Students enrolled in IDEA (Integrated Digital English Acceleration) courses learn English and college and job skills. Classes may be taught using a team teaching model to facilitate classroom and on-line learning. Ongoing pre- and post-CASAS assessment is required.

Program Level Outcomes: Upon successful completion of program, the students will**:**

- Demonstrate academic reading, math, and written and oral communication skills through the development of critical thinking and comprehension strategies.
- Recognize themselves as learners and citizens capable of accomplishing their academic and professional goals and contributing to the larger community.
- Engage in campus activities, utilize campus resources, and demonstrate the ability to transition to and navigate academic and professional environments.
- Demonstrate an increase in computer literacy and proficiency in using technology for academic and professional purposes.
- Use interpersonal skills and strategies in a multicultural context.

Entrance Requirements: Students are placed by CASAS in Levels I through V. Registration takes place in room 203, Transitional Studies Reception. Students may register any time during the quarter. There is a $25 fee per quarter.

Career and Academic Education / GED Preparation

http://wwcc.edu/ged

Program available at/via: [Walla Walla][Clarkston]

Department Overview: Career and Academic Education / General Education Development (GED®) is a high school equivalency exam. Students prepare to take the tests by participating in stand-alone GED® preparation courses, or in Career and Academic Education High School Plus courses. Students prepare to take the exam by participating in general classroom instruction, group work, individualized instruction, computer-assisted instruction, and/or self-paced work. The program is provided in both English and Bilingual/Spanish to meet individual student needs.

Program Level Outcomes: Upon successful completion of the program, students**:**

- Demonstrate academic reading, math, and written and oral communication skills through the development of critical thinking and comprehension strategies.
- Recognize themselves as learners and citizens capable of accomplishing their academic and professional goals and contributing to the larger community.
- Engage in campus activities, utilize campus resources, and demonstrate the ability to transition to and navigate academic and professional environments.
- Demonstrate an increase in computer literacy and proficiency in using technology for academic and professional purposes.
- Use interpersonal skills and strategies in a multicultural context.

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

Career and Academic Preparation

http://www.wwcc.edu/cap

Program available at/via: [Walla Walla][Clarkston]

Department Overview: Career and Academic Preparation (CAP) offers a variety of courses and programs designed to build skills in reading, writing, oral communication, critical thinking, technology, and mathematics so adults can transition to workforce training or academic transfer programs. Students are prepared to earn an Adult High School Plus Diploma or General Education Development (GED®) and/or increase English Language Skills. CAP programs provide students with an opportunity to build on prior experience as they grow academic skills and establish supports needed to achieve their goals. On-going and pre- and post-CASAS assessment is required. Class fees are $25 per quarter.

Adult High School Completion is a competency-based high school diploma designed for adult learners (19 and older) who do not have a GED® or High School (HS) diploma. This program encourages lifelong learning and prepares students to transition into I-BEST or other college programs to further training and education, or to acquire family-wage jobs.

GED® preparation classes are designed for individuals who wish to prepare for the college entrance exam or for the four subject tests included on the General Educational Development (GED®) exam. Courses integrate content from the following subject areas: reasoning through language arts; science; social studies; and mathematical reasoning.

Pre-college classes provide a learning environment that assists students in developing skills and confidence that lead to academic and vocational success. Pre-college classes include Reading, English, Math, and Basic Computers.

Program completion. The time required to complete the course depends on individual learning needs. A student is typically co-enrolled in a degree or certificate program. Students who complete college classes normally experience higher skill achievement and greater success in academic and vocational classes as well as increase their potential for greater earning power in the workforce.

I-BEST - Integrated Basic Education Skills Skills pathway training programs are designed for students to improve their English language or basic skills while earning college-level certificates or two-year degrees. In the I-BEST program, classes are team taught by one content instructor and one basic skills instructor providing additional academic support in college courses. Each I-BEST program includes the opportunity to build reading, math, and English skills through basic skills and development levels with the goal of reaching college level and earning work ready certificates and degrees. I-BEST students meet at least one of the following criteria**:**

- Students test below college level in college or math on the CASAS;
- Students don't have their high school diploma or GED®
- Students who have their high school diploma or GED® but may have been out of school for a long period of time and test below college level on CASAS in reading or math, and would like extra support in the classroom.

Offerings for IBEST include:

- Watershed Ecology
- Pre-nursing Assistant and Nursing Assistant
- Early Childhood Education
- Energy Systems Technology

Program Level Outcomes: Upon successful completion of program, the students**:**

- Demonstrate academic reading, math, and written and oral communication skills through the development of critical thinking and comprehension strategies.
- Recognize themselves as learners and citizens capable of accomplishing their academic and professional goals and contributing to the larger community.
- Engage in campus activities, utilize campus resources, and demonstrate the ability to transition to and navigate academic and professional environments.
- Demonstrate an increase in computer literacy and proficiency in using technology for academic and professional purposes.
- Use interpersonal skills and strategies in a multicultural context.

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

Chemistry

AS

http://wwcc.edu/chemistry

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Program available at/via: [Walla Walla][Clarkston]

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.

Program Level Outcomes:

- An understanding of discipline specific terminology and methods.

- An ability to use discipline specific tools and /or techniques correctly.
- Critical thinking skills necessary in science including appropriate study techniques, problem solving skills and the use of data to assess the validity of claims.
- The ability to research, interpret and communicate concepts obtained from scientific literature.
- An understanding of the relationships between course concepts and society, including the impact of course specific technology.

Degrees: Students may earn an Associate in Science Degree - Option I (90 credits) which is designed to prepare students for upper division study in Chemistry. Please consult with an advisor at WWCC and your intended transfer institution to determine an appropriate educational plan. (See AS Option I in Degrees section of catalog.)

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.

Degrees

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.

Degree available at/via: [Walla Walla]

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

YEAR ONE

Quarter One	Credits
CHEM& 161, General Chemistry I w/Lab	5
Physical Education Elective	1
MATH& 141, Precalculus I or approved elective	5
ENGL& 101, English Composition I	5
Total Credits	**16**

Quarter Two	Credits
CHEM& 162, General Chemistry II w/Lab	5
Elective (contact transfer institution)	2
MATH& 142, Precalculus II or approved elective	5
Total Credits	**12**

Quarter Three	Credits
CHEM& 163, General Chemistry III w/Lab	5
Physical Education Elective	1
Humanities or Social Science Elective	5
Social Science Elective	5
Total Credits	**16**
Year One Total	**44**

YEAR TWO

Quarter One	Credits
Humanities Elective	5
PHYS 121, General Physics I or PHYS 201, Eng Physics	5
MATH& 151, Calculus I	5
Total Credits	**15**

Quarter Two	Credits
PHYS 122, General Physics II or PHYS 202, Eng Physics	5
Lab Science Elective	5
MATH& 152, Calculus II	5
Total Credits	**15**

Quarter Three	Credits
Physical Education Elective	1
MATH& 153, Calculus III or MATH 201, Statistics	5
PHYS 123, General Physics III or PHYS 203, Eng Physics	5
Science or Math Elective	5
Total Credits	**16**
Year Two Total	**46**
Grand Total	**90**

EPC: 004F

College Experience

http://www.wwcc.edu/ce

Program available at/via: [Walla Walla][Clarkston]

Department Overview: Provides students with valuable information and strategies that will help them make the adjustment to college. It aids students in exploring their personal values and reasons for seeking a college education. Further, they develop skills in stress management, reduction of test anxiety, effective note-taking and test-taking techniques, career planning, decision-making, educational goal setting, personal responsibility and leadership.

Collision Repair Technology

CERT, AAS

http://wwcc.edu/autobody

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Program available at/via: [Walla Walla]

Department Overview: Collision 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. The program is nationally certified by NATEF/ASE in four areas of instruction. The Collision Repair 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 Collision Repair curriculum is reviewed by an advisory board composed of local and regional industry members.

Program Level Outcomes:

- Update Collision Repair Technology program curriculum in accordance with current industry skill standards and I-CAR standards.
- Prepare graduates to enter the collision repair industry with the knowledge and skills necessary to be successful.
- Articulate the Collision Repair Technology program horizontally with other WWCC programs and vertically with regional high schools and tech centers.

Degrees: Students may earn an Associate in Applied Sciences Degree in Collision Repair Technology, upon completion of a two-year program of study. A Collision Repair Certificate is available upon completion of the first year of study in the program.

Students who earn their AAS in Collision Repair Technology may also earn a dual degree in Automotive Repair Technology after one additional year of instruction. Please speak with your instructor about the required and specific classes needed.

Industry Description: There is a high demand for skilled collision repair technicians. Automotive manufacturers have made revolutionary changes in automobile designs. These changes have brought new concepts to the field of collision 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. Students may enter the program fall, winter or spring quarter, however, due to course sequencing it is recommended to begin in the fall. In order to start this program, the placement process, including a mechanical reasoning test, must be completed through the Testing Center. Visit wwcc.edu/placement for more information.

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

Degrees and Certificates

Advanced Collision Repair Technology Certificate

Certificate available at/via: [Walla Walla]

YEAR ONE

Quarter One	Credits
ABT 264, Unibody Rebuilding	21
Total Credits	**21**
Year One Total	**21**
Grand Total	**21**

EPC: 709F

Collision Repair Technology Certificate

Certificate Outcomes:

- Use body shop hand tools, common hand tools, and power tools.
- Establish corrosion protection.
- Operate paint spray equipment.
- Mix and apply automotive finishes incorporating waterborne paint products.
- Perform welding procedures and use equipment, GMAW & RSTSW to NATEF standards.
- Demonstrate safe practices in the auto body lab.

YEAR ONE

Quarter One	Credits
ABT 161, Auto Body Repair I	21
ACOM 102, Communication in the Workplace (O)	5
Total Credits	**26**
Quarter Two	**Credits**
ABT 162, Auto Body Repair II	21
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
Total Credits	**26**
Quarter Three	**Credits**
ABT 163, Auto Body Refinishing	21
AENG 100, Writing in the Workplace (W)	5
Total Credits	**26**
Year One Total	**78**
Grand Total	**78**

EPC: 709C

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 105, AMATH 106, BUS 112, MATH& 146

(O) - ACOM 102

(R) - BUS 157, PSYC& 100

Associate in Applied Sciences in Collision Repair Technology

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

Degree available at/via: [Walla Walla]

Degree Outcomes:

- Use body shop hand tools, common hand tools, and power tools.
- Explain vehicle structure and construction.
- Perform a collision damage analysis.
- Perform structural and non-structural repairs.
- Establish corrosion protection.
- Remove and install movable and stationary glass.
- Measure structural damage and how to use various types of pulling equipment to repair the damage.
- Operate paint spray equipment.
- Mix and apply automotive finishes incorporating waterborne paint products.
- Perform wheel alignment using electronic alignment equipment.
- Perform welding procedures and use equipment, GMAW & RSTSW to NATEF standards.
- Demonstrate plastic repairs using modern adhesives.
- Demonstrate skills in estimating vehicle damage.
- Demonstrate safe practices in the auto body lab.
- Demonstrate proficiency with the NATEF competencies in each of the four areas: electrical, structural, non-structural, and refinishing.

Transferability: The AAS 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 I	21
ACOM 102, Communication in the Workplace (O)	5
Total Credits	**26**
Quarter Two	**Credits**
ABT 162, Auto Body Repair II	21
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
Total Credits	**26**
Quarter Three	**Credits**
ABT 163, Auto Body Refinishing	21
AENG 100, Writing in the Workplace (W)	5
Total Credits	**26**
Year One Total	**78**

Year Two

Quarter One	Credits
ABT 264, Unibody Rebuilding	21
Total Credits	**21**
Quarter Two	**Credits**
ABT 265, Electrical Mechanical	21
Total Credits	**21**
Quarter Three	**Credits**
ABT 266, Damage Estimating and Shop Operation	21
Total Credits	**21**
Year Two Total	**63**
Grand Total	**141**

EPC: 709

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 105, AMATH 106, BUS 112, MATH& 146

(O) - ACOM 102, CMST 201, CMST& 210

(R) - BUS 157, PSYC& 100

Communication Studies

http://wwcc.edu/speech

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Program available at/via: [Walla Walla][Clarkston]

Department Overview: The Communication Studies department offers courses designed to increase students' knowledge and understanding of the principles of communication in order to communicate competently, effective, appropriately, and ethically. Knowledge and skill in competent communication will benefit students in their personal, family, civic, cultural and workplace activities, as well as future educational classwork.

Program Level Outcomes:

- Develop and employ verbal and nonverbal skills essential communicate oral presentations and effectively build relationships with others
- Utilize appropriate listening techniques.
- Formulate and demonstrate the process of designing a successful oral presentation from outline to delivery.
- Identify and describe the ethics of public speaking.
- Identify, define, and demonstrate effective interpersonal skills.
- Compare and contrast similarities and differences in the communication behaviors of different cultures.

Degrees: Students may earn an Associate in Arts AA-DTA degree (90 credits) which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should meet with an academic advisor at WWCC and an advisor at their intended baccalaureate institution to determine an appropriate educational plan. (See AA-DTA in Degrees section of catalog).

Preparation for Success: Communication Studies classes will prepare students to be effective participants in a wide variety of settings and fields. Students wishing to major in communications at four-year institutions should work closely with advisors to take a well-rounded liberal arts program as well as meet specific requirements at transfer institutions.

Other Information: The Communication Studies 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.

Computer Science

CERT, AAS

http://wwcc.edu/computer

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Program available at/via: [Walla Walla][Clarkston][Online (partial)]

Department Overview: Computer Science endeavors to create an understanding of computer operating systems, programming, digital design for the web, and computer applications and hardware allowing the student to solve computer-related problems. Courses are taught in lecture, lab, and cooperative (on-the-job) training formats. Courses are developed by the Computer Science Program Advisory Board, which consists of experts working in local and regional computer-related businesses and senior faculty.

Program Level Outcomes:

- Graduates successfully completing the program are employable in their degree area, at a living wage job with benefits.
- Program completers are encouraged to pursue bachelor level programs in computer science.
- Program maintains advanced certificate, degree and endorsements that are current with latest industry standards.

Degrees: Students may earn an Associate in Applied Sciences Degree in each of three key areas of Computer Science: Digital Design, Software Design, or Networking.

Students may also earn an Associate in Science Degree-Option II (90 credits) which is designed to prepare students for upper division study in computer science. Please consult with an advisor at WWCC and your intended transfer institution to determine an appropriate education plan.

Industry Description: Computer Science is the application of computing equipment and methods to the solution of human and business problems. Occupations related to Computer Science have represented the nation's fastest growing areas of job opportunity in the past ten years and are 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 students begin in the fall. In order to start this program, the placement process must be completed through the Testing Center. Visit wwcc.edu/placement for more information.

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

Degrees and Certificates

Data Center Technician Certificate

This certificate provides students with a working knowledge of computer networks, including network hardware and popular network operating systems.

Certificate available at/via: [Walla Walla] [Clarkston] [Online (partial)]

Certificate Outcomes:

- Demonstrate the ability to critically and logically think and organize to solve computer science related problems and processes as they relate to networking in industry.
- Demonstrate the ability to communicate effectively in oral and written form.
- Demonstrate the ability to work effectively in a team setting.
- Demonstrate knowledge of software and hardware related to networking requirements and certifications in industry.
- Demonstrate knowledge and application of ethical and privacy issues relating to the computer science field.
- Demonstrate knowledge and application of customer service skills.

YEAR ONE

Quarter One	Credits
CS 110, Introduction to Computers and Applications	5
CS 115, Introduction to Computer & Information Technology	5
ELECT MATH2, Mathematics Requirement (M)*	5
Total Credits	**15**
Quarter Two	**Credits**
ACOM 102, Communication in the Workplace (O)	5
CS 121, Problem Solving with Programming	5
CS 125, A+ Certification (Software)	5
Total Credits	**15**
Quarter Three	**Credits**
AENG 100, Writing in the Workplace (W)	5
CS 130, A+ Certification (Hardware)	5
CS 265, Introduction to Networking	5
Total Credits	**15**
Year One Total	**45**
Grand Total	**45**

EPC: 527C

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details. Math above 100.*

*** Elective Options: CS 261, CS 278, CS 279, EMRK 216, or AGPR 254.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 105, BUS 112, ELECT MATH2, MATH& 146

(O) - ACOM 102, CMST 201, CMST& 210

(R) - BUS 157, PSYC& 100

Associate in Applied Sciences Degree in Networking

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.

Degree available at/via: [Walla Walla] [Clarkston] [Online (partial)]

Degree Outcomes:

- Demonstrate the ability to critically and logically think and organize to solve computer science related problems and processes as they relate to networking in industry.
- Demonstrate the ability to communicate effectively in oral and written form.
- Demonstrate the ability to work effectively in a team setting.
- Demonstrate knowledge of software and hardware related to networking requirements and certifications in industry.
- Demonstrate knowledge and application of ethical and privacy issues relating to the computer science field.
- Demonstrate knowledge and application of customer service skills.

Transferability: The AAS 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
CS 110, Introduction to Computers and Applications	5
CS 115, Introduction to Computer & Information Technology	5
ELECT MATH2, Mathematics Requirement (M)*	5
Total Credits	**15**
Quarter Two	**Credits**
ACOM 102, Communication in the Workplace (O)	5
CS 121, Problem Solving with Programming	5
CS 125, A+ Certification (Software)	5
Total Credits	**15**
Quarter Three	**Credits**
AENG 100, Writing in the Workplace (W)	5
CS 130, A+ Certification (Hardware)	5
CS 265, Introduction to Networking	5
Total Credits	**15**
Year One Total	**45**

Year Two

Quarter One	Credits
CS 260, Unix/Linux Operating Systems	5
CS 266, Routing and Switching I	5
CS 275, Windows Client	5
Total Credits	**15**

Quarter Two	Credits
CS 267, Routing and Switching II	5
CS 276, Windows Server	5
CS 277, Fund of Network Security	5
Total Credits	**15**

Quarter Three	Credits
CS Elective**	15 - 18
Total Credits	**15-18**
Year Two Total	**45-48**
Grand Total	**90-93**

EPC: 527

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

Math above 100.

*** Elective Options: CS 261, CS 278, CS 279, EMRK 216, or AGPR 254.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 105, BUS 112, ELECT MATH2, MATH& 146

(O) - ACOM 102, CMST 201, CMST& 210

(R) - BUS 157, PSYC& 100

Software Design Certificate

This technical degree prepares the student for entry-level employment in the fields of programming, database design and web application development.

Certificate available at/via: [Walla Walla] [Online (partial)]

Certificate Outcomes:

- Demonstrate the ability to critically and logically think and organize to solve computer science related problems and processes as they relate to entry-level software design.
- Demonstrate the ability to communicate effectively in oral and written form.
- Demonstrate the ability to work effectively in a team setting.
- Demonstrate knowledge of software and hardware related to entry-level software design requirements and certifications.
- Demonstrate knowledge and application of ethical and privacy issues relating to the computer science field.
- Demonstrate knowledge and application of customer service skills.

Year One

Quarter One	Credits
CS 140, JavaScript I	5
CS 233, ASP.Net Programming	5
CS 235, Introduction to Database Design and Theory	5
ELECT MATH2, Mathematics Requirement (M)*	5
Total Credits	**20**

Quarter Two	Credits
ACOM 102, Communication in the Workplace (O)	5
CS 229, Dynamic Website Design with PHP MySQL	5
CS 231, Capstone Application Development I	5
CS 240, JavaScript II	5
Total Credits	**20**

Quarter Three	Credits
CS 131, Computer Science I C++	5
CS 232, Capstone Application Development II	5
CS 244, Introduction to Dev Ops	5
EMRK 252, User Experience (UX)	5
Total Credits	**20**
Year One Total	**60**
Grand Total	**60**

EPC: 501C

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

Math above 100.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (M) - ELECT MATH2

(O) - ACOM 102, CMST& 210, CMST& 220

Associate in Applied Sciences in Software Design

This technical degree provides students an understanding of computer operating systems, programming, databases, computer applications and hardware, and web apps in order to solve computer related problems for a variety of business applications and web development. Through the use of portfolio-based design, students will acquire the skills to begin immediate employment involving technical responsibility for a web developer and computer related needs.

Degree available at/via: [Walla Walla] [Online (partial)]

Degree Outcomes:

- Demonstrate the ability to critically think and organize to solve computer science related problems and processes as they relate to software design.
- Demonstrate the ability to communicate effectively in oral and written form.
- Demonstrate the ability to work effectively in a team setting.
- Demonstrate knowledge of software and hardware related to software design requirements and certifications.
- Demonstrate knowledge and application of ethical and privacy issues relating to the computer science field.
- Demonstrate knowledge and application of customer service skills.

Year One

Quarter One	Credits
CS 110, Introduction to Computers and Applications	5
CS 115, Introduction to Computer & Information Technology	5
ELECT MATH2, Mathematics Requirement (M)*	5
Total Credits	**15**

Quarter Two	Credits
ACOM 102, Communication in the Workplace (O)	5
CS 121, Problem Solving with Programming	5
CS 125, A+ Certification (Software)	5
Total Credits	**15**

Quarter Three	Credits
AENG 100, Writing in the Workplace (W)	5
CS 130, A+ Certification (Hardware)	5
CS 133, Computer Science I C# **	5
CS 251, HTML/CSS	5
Total Credits	**20**
Year One Total	**50**

Year Two

Quarter One	Credits
CS 140, JavaScript I	5
CS 233, ASP.Net Programming	5
CS 235, Introduction to Database Design and Theory	5
Total Credits	**15**

Quarter Two	Credits
CS 229, Dynamic Website Design with PHP MySQL	5
CS 231, Capstone Application Development I	5
CS 240, JavaScript II	5
Total Credits	**15**

Quarter Three	Credits
CS 232, Capstone Application Development II	5
CS 244, Introduction to Dev Ops	5
EMRK 252, User Experience (UX)	5
Total Credits	**15**
Year Two Total	**45**
Grand Total	**95**

EPC: 501

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

Math above 100.

*** CS& 131 can be substituted.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 105, BUS 112, ELECT MATH2, MATH& 146

(O) - ACOM 102, CMST 201, CMST& 210

(R) - BUS 157, PSYC& 100

Cosmetology

CERT, AAS

http://wwcc.edu/cosmetology

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Program available at/via: [Walla Walla]

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, 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.

Program Level Outcomes:

- To market, recruit, and retain students in the Cosmetology program.
- Involve cosmetology professionals in curriculum development and learning outcomes.
- Provide instruction with current skills (techniques and styles) used in the cosmetology profession in order to prepare students for employment.
- Certify the program using industry skill standards.
- Graduate students who demonstrate the knowledge and skills to obtain a cosmetology license and succeed in the industry.

Degrees: Students may earn an Associate in Applied 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 Cosmetology program. Exception: Running Start students may enroll in Cosmetology as long as all other requirements are met.
- Completion of the placement tests offered by WWCC's Testing Center.
- Mathematics competence: eligible to enter BUS 112.
- Reading skills: college level reading.
- Writing: eligible for WRITE 100.
- Students shall contact one of the Cosmetology instructors regarding appropriate program placement to determine specific quarter start in the program.
- Students may enter the program fall, winter, or spring quarter, depending on space availability.

Physical Requirements: • Normal visual acuity (with or without correction).

- Physical dexterity, i.e. to grasp small objects and perform hand, finger manipulations.
- Must be able to work for extended periods of time with arms at shoulder level.
- Must be able to work for extended periods of time standing.
- Students are advised to consult their physicians as to possible health problems (i.e., allergies, asthma, dermatitis, etc.) before enrolling.

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

Degrees

Associate in Applied Sciences Degree in Cosmetology

This technical degree prepares the student for employment in all areas of the cosmetology industry.

Degree available at/via: [Walla Walla]

Degree Outcomes:

- Apply cosmetology theory and technical skills at entry level standards in a professional manner.
- Demonstrate trouble shooting and problem solving in various cosmetology work - related situations.
- Apply effective listening and speaking skills to educate cosmetology clients on individual beauty requirements.
- Show professionalism and sensitivity towards others.
- Practice safe and sanitary procedures in compliance with state regulations.
- Demonstrate efficient time management skills when working in cosmetology salons.
- Demonstrate marketing strategies to cosmetology customers.

Transferability: The AAS 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	7
Total Credits	**18**
Quarter Two	**Credits**
COSM 121, Principles and Procedures of Cosmetology II	11
COSM 122, Practical Application II	7
Total Credits	**18**
Quarter Three	**Credits**
BUS 112, Business Mathematics (M)	5
COSM 131, Intermediate Principles and Procedures I	11
COSM 132, Practical Application III	7
Total Credits	**23**
Quarter Four	**Credits**
AENG 100, Writing in the Workplace (W)	5
COSM 270, Practical Application VI	9
Total Credits	**14**
Year One Total	**73**

YEAR TWO

Quarter One	Credits
ACOM 102, Communication in the Workplace (O)	5
COSM 241, Intermediate Principles and Procedures II	11
COSM 242, Practical Application IV	7
Total Credits	**23**
Quarter Two	**Credits**
COSM 251, Advanced Principles and Procedures I	11
COSM 252, Practical Application V	7
Total Credits	**18**
Year Two Total	**41**
Grand Total	**114**

EPC: 823

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

Any BARB course designator may be substituted for corresponding COSM course, i.e. BARB 111 substituted for COSM 111.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 105, BUS 112, MATH& 146

(O) - ACOM 102, CMST 201, CMST& 210

Barbering Certificate

YEAR ONE

Quarter One	Credits
BARB 111, Principles and Procedures of Barbering I	10
BARB 112, Practical Application I	7
Total Credits	**17**
Quarter Two	**Credits**
BARB 121, Principles and Procedures of Barbering II	10
BARB 122, Practical Application II	7
Total Credits	**17**
Quarter Three	**Credits**
ACOM 102, Communication in the Workplace (O)	5
BARB 131, Principles and Procedures of Barbering III	10
BARB 132, Practical Application III	7
Total Credits	**22**
Quarter Four	**Credits**
AENG 100, Writing in the Workplace (W)	5
BARB 270, Practical Application IV	4
BUS 112, Business Mathematics (M)	5
Total Credits	**14**
Year One Total	**70**
Grand Total	**70**

EPC: 820C

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 105, AMATH 106, BUS 112, MATH& 146

(O) - ACOM 102, CMST 201, CMST& 210

(R) - BUS 157, PSYC& 100

Criminal Justice

AAS-T, AAS

http://wwcc.edu/criminaljustice

Timothy Toon *509.527.4307* *timothy.toon@wwcc.edu*

Program available at/via: [Walla Walla][Online (partial)]

Department Overview: The Criminal Justice department provides the theoretical and methodological roots of contemporary criminology inquiry as well as applied course work in Criminal Justice. This department is designed to provide an academic foundation in particular specializations for career advancement and/or transfer to baccalaureate institutions.

Program Level Outcomes:

- The ability to analyze past and present society, diverse cultures and histories to better understand individual and group behavior and enhance self-awareness.
- An understanding and working knowledge of the theories, concepts, ideas, terminology, and factual evidence in selected fields within the social sciences.
- Sensitivity in understanding diverse views and perspectives.
- An understanding of the historically and socially constructed nature of human differences.

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 90 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. (See AA-DTA in the Degrees section of the catalog.)

Industry Description: Criminal Justice is the study of the causes, effects and command of crime. Similar to other developing fields, criminal justice is a broad field, drawing from many disciplines, including psychology, corrections, sociology, and chemistry.

Entrance Requirements: Students may begin their study in these programs in fall, winter, or spring quarters. In order to start this program, the placement process must be completed through the Testing Center. Visit wwcc.edu/placement for more information.

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

Degrees

Associate of Applied Science-Transfer in Criminal Justice

This is a dual-purpose degree intended to prepare students for employment in the Criminal Justice field, and for transfer to baccalaureate institutions. Articulation agreements with specific transfer institutions will be announced soon. This program does not require background checks or drug screening before entering into the program. However, prospective students should realize that student practicums, and volunteer positions may require background checks and/or drug screens by federal or state law. For more information, visit www.privacyrights.org.

Degree available at/via: [Walla Walla] [Online (full)]

YEAR ONE

Quarter One	Credits
CJ& 101, Introduction to Criminal Justice	5
ENGL& 101, English Composition I	5
HPER 107, Tone Zone I **	1
PSYC& 100, General Psychology *	5
Total Credits	**16**

Quarter Two	Credits
CHEM& 110, Chemical Concepts w/Lab ***	5
CJ 104, Introduction to Policing	5
ENGL& 102, English Composition II	5
HPER 108, Tone Zone II **	1
Total Credits	**16**

Quarter Three	Credits
CJ& 106, Juvenile Justice	5
CMST& 220, Public Speaking ****	5
HPER 109, Tone Zone III **	1
MATH& 146, Introduction to Statistics	5
Total Credits	**16**
Year One Total	**48**

YEAR TWO

Quarter One	Credits
CJ& 105, Introduction to Corrections	5
Natural Science Elective	5
SOC& 101, Introduction to Sociology *****	5
Total Credits	**15**

Quarter Two	Credits
CJ& 110, Criminal Law	5
Humanities Elective	5
Natural Science Elective	5
Total Credits	**15**

Quarter Three	Credits
CJ Supporting Elective******	5
Literature Elective	5
PHIL 131, Introduction to Ethics *******	5
Total Credits	**15**
Year Two Total	**45**
Grand Total	**93**

EPC: 832T

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details. Can be substituted with PSYC 160, or PSYC& 220.*

*** Can be substituted with HPER 188, 189, and 190.*

**** Can be substituted with CHEM 106, BIOL& 160, or BIOL& 175.*

***** Can be substituted with CMST 201, CMST& 210, or CMST& 220.*

****** Can be substituted with SOC 205 or SOC 205.*

******* Supporting electives are: CJ 204, CJ& 112, CJ& 240, HSS 022, HSS 101, HSS 102, HSS 110, HSS 201, HSS 202, HO 110, HO 169, IFA 022, PHIL 131, PSYC 160, PSYC& 100, PSYC& 220, SOC 204, SOC 205, SOC 208, SOC& 101, SPAN& 121, SPAN& 122, or SPAN& 123.*

******** Can be substituted with HSS 110.*

Associate of Applied Science Degree in Criminal Justice

This degree is intended to prepare students for employment in the Criminal Justice field. While the general education components in this degree will transfer to baccalaureate institutions, additional classes will be required (see AAS-T) at baccalaureate institutions. This program does not require background checks or drug screening before entering into the program. However, prospective students should realize that student practicums, and volunteer positions may require background checks and/or drug screens by federal or state law. For more information, visit www.privacyrights.org.

Degree available at/via: [Walla Walla] [Online (partial)]

Year One

Quarter One	Credits
AENG 100, Writing in the Workplace (W)	5
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
CJ& 101, Introduction to Criminal Justice	5
HPER 107, Tone Zone I *	1
Total Credits	**16**

Quarter Two	Credits
CJ 104, Introduction to Policing	5
CJ Supporting Elective****	5
HPER 108, Tone Zone II *.	1
PSYC& 100, General Psychology (R)	5
Total Credits	**16**

Quarter Three	Credits
ACOM 102, Communication in the Workplace (O)	5
CJ 102, Applied Skills in Criminal Justice	5
CJ& 106, Juvenile Justice	5
CJ Supporting Elective****	5
HPER 109, Tone Zone III *	1
Total Credits	**21**
Year One Total	**53**

Year Two

Quarter One	Credits
CJ& 105, Introduction to Corrections	5
CJ Supporting Elective****	5
SOC& 101, Introduction to Sociology **	5
Total Credits	**15**

Quarter Two	Credits
CJ& 110, Criminal Law	5
Elective - Natural Science Course	5
Elective - Humanities Course	5
Total Credits	**15**

Quarter Three	Credits
CJ Supporting Elective****	5
PHIL 131, Introduction to Ethics ***	5
Total Credits	**10**
Year Two Total	**40**
Grand Total	**93**

EPC: 832A

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details. Can be substituted with HPER 188, 189, and 190.*

*** Can be substituted with SOC 204 or 205.*

**** Can be substituted with HSS 110.*

***** Supporting Electives are the following: CJ 204, CJ& 112, CJ& 240, HSS 022, HSS 101, HSS 102, HSS 201, HSS 202, IFA 022, PSYC 160, PYSC& 220, SOC& 101, SOC 204, SOC 205, SOC 208, SPAN& 121, SPAN& 122, and SPAN& 123.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 105, BUS 112, MATH& 107, MATH& 146

(O) - ACOM 102, CMST 201, CMST& 210, CMST& 220

(R) - PSYC& 100

Culinary Arts

AAS

http://www.wwcc.edu/culinaryarts

Jay Entrikin	*509.524.5164*	*jay.entrikin@wwcc.edu*
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Program available at/via: [Walla Walla]

Department Overview: The Culinary Arts program is designed to prepare students for success in the food service and hospitality industry. It provides opportunities to learn the basic skills in product knowledge, food production, service and management while incorporating extensive hands-on instruction and internship opportunities.

The Wine Country Culinary Institute at WWCC is accredited by the American Culinary Federation and operates in a state of the art facility on our main campus, as well as a satellite commercial kitchen at the Center for Enology and Viticulture. Our commitment to Culinary Arts teaching and learning is evident in both our facilities and curriculum. We are a student centered program with an active Culinary Arts Club and opportunities to participate in structured labs, classroom and hands-on learning environments.

Program Level Outcomes:

- Prepare students to enter the workforce with the skills and knowledge to make a valuable contribution to their employer in a short amount of time.
- Encourage, support and provide opportunities for professional life-long learning in the hospitality industry.
- Provide in-service and skill upgrade opportunities for program graduates and industry personnel to maintain current knowledge of trends in changing industry requirements and technology.
- Collaborate with industry partners in an ongoing basis. These partners include: farmers, production personnel, distribution personnel, hotels, restaurants, clubs, wineries and service personnel.

Degrees: Students may earn an Associate in Applied Sciences Degree in Culinary Arts upon completion of the two-year program of study.

Industry Description: The food service and hospitality industry provide 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, restaurant manager, food and beverage director, baker, pastry chef or caterer.

Entrance Requirements: In order to start this program, the placement process must be completed through the Testing Center. Visit wwcc.edu/placement for more information.

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

Degrees

Associate in Applied 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.

Degree available at/via: [Walla Walla]

Degree Outcomes:

- Perform the essential principles of a professional work ethic in the field of Culinary Arts.
- Maintain a useful and positive attitude while working as part of a team.
- Demonstrate knowledge of advanced cooking methods and their applications.
- Articulate an understanding of food ingredients, supplies and cost considerations within a commercial foodservice operation.
- Operate and maintain kitchen equipment.
- Demonstrate proficiency in the use of hand tools and knives.
- Articulate an understanding of both nutritional value and sustainability in food selection.
- Demonstrate a professional level of safety, sanitation and organization in the workplace.
- Communicate effectively.
- Think logically and critically.
- Evaluate and process quantitative and symbolic data.
- Accept the time sensitive nature of all things culinary.
- Articulate the role of food in its relationship to personal identity and the understanding of others in a multicultural world.

Transferability: The AAS 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
CA 112, Introduction to the Culinary Principles	8
CA 121, Kitchen Lab	4
CA 195, Special Events	4
IFA 022, AHA Heartsaver First Aid/CPR	.4
Total Credits	**16.4**
Quarter Two	**Credits**
BUS 112, Business Mathematics (M)	5
CA 120, Culinary Arts Methods	10
CA 195, Special Events	4
Total Credits	**19**
Quarter Three	**Credits**
CA 130, Professional Baking	10
CA 133, Food, Wine & Beverage Pairing	3
CA 195, Special Events	4
Total Credits	**17**
Year One Total	**52.4**

YEAR TWO

Quarter One	Credits
CA 195, Special Events	4
CA 240, World Cuisines	5
CA 243, Restaurant Management	3
CA 250, Garde Manger	5
Total Credits	**17**
Quarter Two	**Credits**
ACOM 102, Communication in the Workplace (O)	5
CA 260, A La Carte I	10
Total Credits	**15**
Quarter Three	**Credits**
AENG 100, Writing in the Workplace (W)	5
CA 261, A la Carte II	10
Total Credits	**15**
Year Two Total	**47**
Grand Total	**99.4**

EPC: 850

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

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

(W) - AENG 100, ENGL& 101

(M) - AMATH 105, BUS 112

(O) - ACOM 102, CMST 201, CMST& 210, CMST& 220

Dance

http://wwcc.edu/dance

Program available at/via: [Walla Walla]

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.

Program Level Outcomes:

- Demonstrate proficiency in dance technique and movement.
- Memorize and perform choreography and movement combinations.
- Demonstrate improvement in coordination, stamina, and rhythmic ability.
- Critique dance in terms of technique, styles, choreography, performance, and theatrical elements.
- Assess fitness level as it relates to the demands of Dance.

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 90 credit hours in college transfer courses numbered 100 or above with a minimum college-level grade point average 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. (See AA-DTA in the Degrees section of the catalog.)

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.

Diesel Technology

CERT, AAS

http://wwcc.edu/dieselequipment

David Bailey *509.5292600* *david.bailey@wwcc.edu*

Program available at/via: [Walla Walla]

Department Overview: Diesel Technology 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 Technology 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 Technology curriculum is reviewed by an advisory board composed of local and regional industry members.

Program Level Outcomes:

- Understand the construction, function, and general service of all major equipment components.
- Diagnose mechanical malfunctions and performance problems.
- Make decisions as to disposition of worn parts (i.e. usable as is; should be reconditioned or replaced).
- Operate precision diagnostic and repair equipment.
- Read and interpret repair manuals.
- Understand the importance of good public relations with customers, employer, and fellow employees.
- Understand basic shop operation.
- Be cognizant of overhead and labor cost in relationship to profit.
- Understand apprenticeship and how it functions.
- Be informed on methods of seeking employment.

Degrees: Students may earn an Associate in Applied Sciences Degree in Diesel Technology upon completion of a two-year program of study. A Diesel Technology Certificate is available upon completion of the first year of study in the program.

Students who earn their AAS in Diesel Technology may also earn a dual degree in Automotive Repair Technology. Please speak with your instructor about the required and specific classes needed.

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, 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. Students may enter the program in fall quarter. In order to start this program, the placement process including a mechanical reasoning test must be completed through the Testing Center. Visit wwcc.edu/placement for more information.

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. A high school diploma or GED® is required to receive a degree in Diesel Technology.

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

Degrees and Certificates

Advanced Diesel Technology Certificate

Certificate available at/via: [Walla Walla]

YEAR ONE

Quarter One	Credits
DT 266, Advanced Equipment Repair I	10
DT 284, Hydraulics	5
DT 280, Brakes and Air Systems	5
Total Credits	**20**
Year One Total	**20**
Grand Total	**20**

EPC: 775F

Diesel Technology Certificate

Certificate available at/via: [Walla Walla]

Certificate Outcomes:

- Demonstrate basic shop fundamentals and safety.

YEAR ONE

Quarter One	Credits
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
DT 151, Shop Fundamentals/Forklift Training	9
DT 181, Engines I	14
Total Credits	**28**
Quarter Two	**Credits**
DT 162, Machinery Repair I	10
DT 180, Suspension and Alignment	5
DT 185, Drive Trains	5
WELD 141, Welding Basics *	4
Total Credits	**24**
Quarter Three	**Credits**
ACOM 102, Communication in the Workplace (O)	5
DT 163, Machinery Repair II	8
DT 183, Electronics I	5
DT 187, Heating and Air Conditioning	5
DT 189, Preventive Maintenance	5
Total Credits	**28**
Year One Total	**80**
Grand Total	**80**

EPC: 775C

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

WELD 141, Welding Basics or above or WLDT 120 will satisfy the welding requirement.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - ENGL& 101

(M) - AMATH 105, BUS 112

(O) - ACOM 102

(R) - BUS 157, PSYC& 100

Associate in Applied Sciences Degree in Diesel Technology

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.

Degree available at/via: [Walla Walla]

Degree Outcomes:

- Perform each of the following on diesel engines, drive trains, brakes, suspension and steering, electrical/electronic systems, heating, ventilation, air conditioning, preventative maintenance inspection, and hydraulics: troubleshooting skills; specific repair skills; diagnostic skills; knowledge of systems and components.

Transferability: The AAS 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. Articulation agreements are in place for Montana State University-Northern and Centralia College for diesel technology baccalaureate degrees.

Year One

Quarter One	Credits
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
DT 151, Shop Fundamentals/Forklift Training	9
DT 181, Engines I	14
Total Credits	**28**
Quarter Two	**Credits**
DT 162, Machinery Repair I	10
DT 180, Suspension and Alignment	5
DT 185, Drive Trains	5
WELD 141, Welding Basics *	4
Total Credits	**24**
Quarter Three	**Credits**
ACOM 102, Communication in the Workplace (O)	5
DT 163, Machinery Repair II	8
DT 183, Electronics I	5
DT 187, Heating and Air Conditioning	5
DT 189, Preventive Maintenance	5
Total Credits	**28**
Year One Total	**80**

Year Two

Quarter One	Credits
AENG 100, Writing in the Workplace (W)	5
DT 266, Advanced Equipment Repair I	10
DT 280, Brakes and Air Systems	5
DT 284, Hydraulics	5
Total Credits	**25**
Quarter Two	**Credits**
DT 267, Advanced Equipment Repair II	10
DT 281, Engines Advanced	5
DT 283, Electronics II	5
Total Credits	**20**
Quarter Three	**Credits**
DT 191, Cooperative Work Experience **	15
Total Credits	**15**
Year Two Total	**60**
Grand Total	**140**

EPC: 775

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

WELD 141 or above or WLDT 120 will satisfy the welding requirement.

*** DT 191, Cooperative Work Experience may be taken over several quarters. A minimum of 360 hours (12 credits) actual on-the-job mechanical experience is required. Student 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.*

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

(W) - AENG 100, ENGL& 101

(M) - AMATH 105, AMATH 106, BUS 112, MATH& 146

(O) - ACOM 102, CMST 201, CMST& 210

(R) - BUS 157, PSYC& 100

Drama

http://www.wwcc.edu/theatrearts

Kevin Loomer *509.527.4317* *kevin.loomer@wwcc.edu*

Program available at/via: [Walla Walla]

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.

Program Level Outcomes:

- Employ an increasing range of rudimentary acting skills including the ability to create characters convincing and project one's self believably in word and action into imaginary circumstances.
- Demonstrate increasing creativity in outward verbal and non-verbal expression.
- Develop and display a continuing respect for the differing talents and abilities of other artists/performers.
- Apply standard terminology of the acting profession.
- Demonstrate application of a given "tools/materials" used in the production of a live performance.
- Exhibit the people skills necessary for effective ensemble work (teamwork) to occur.

Degrees: Students may earn an Associate in Arts AA-DTA degree (90 credits) which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should meet with an academic advisor at WWCC and an advisor at their intended baccalaureate institution to determine an appropriate educational plan. (See AA-DTA in Degrees section of catalog).

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 Intro to Theatre, Acting, and courses in dramatic literature.

Other Information: The Theatre Arts Department is part of the Performing and Visual Arts Division. This division provides a safe and inclusive learning environment, working to support the creative potential of all WWCC students. The division provides a variety of venues to feature student work. These include a full season of productions at The China Pavilion, the Children's Summer Theatre program, and The Musical Experience at the Pavilion.

The Theatre Arts Department also support 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.

Early Childhood Education

CERT, AAS-T, AAS

http://wwcc.edu/earlychildhood

Samantha Bowen *509.524.5142* *samantha.bowen@wwcc.edu*

Program available at/via: [Walla Walla][Online (partial)]

Department Overview: Early Childhood Education prepares students to enter the childcare and early learning field as highly skilled caregivers or early learning professionals who can immediately contribute to the development and growth of a child. The Early Childhood Education curriculum promotes high quality learning and play in early care and educational settings. Opportunities for the ongoing professional development of caregivers is also included. Students have the opportunity to apply newly acquired skills and knowledge through participation in cooperative work experiences. Certified teachers may apply specific courses towards continuing education credits. In an effort to accommodate currently employed 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.

Program Level Outcomes:

- Provide students with the highest level of instruction in the knowledge and skills required in the field of early childhood education.
- Attract, retain and graduate competent students into the early childhood education profession.
- Keep programs current with industry standards by involving community stakeholders in curriculum development and verification of student outcomes.
- Articulate the Early Childhood Education program with regional high schools and universities.
- Educate and graduate students who possess the knowledge and skills required to succeed in early childhood careers or studies at the university level.

Degrees: Students may earn an Associate in Applied Sciences Degree in Early Childhood Education upon completion of the two-year program of study. This degree allows graduates to enter the workforce. A certificate in Early Childhood Education is available upon completion of one year of the program. An Associate in Applied Science-Transfer (AAS-T) degree in Early Childhood Education is also offered for students planning to transfer to a four-year college or university.

Students may earn an Associate of Arts in Elementary Education (DTA) upon completion of a two-year program. This degree transfers to four-year university programs in Elementary Education. This degree also allows students to work as education paraprofessionals in the K-12 school system.

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.

Paraprofessionals are assistants in classroom settings who provide instructional support for pre-K-12 classroom teachers. By providing students with individualized instruction, teacher assistants tutor and assist children in learning course materials. Teacher assistants also supervise students in the cafeteria and playground. They record grades, set up equipment, and help prepare materials for instruction. Teacher assistants are also called teacher aides, instructional aides, paraeducators or paraprofessionals. The federal legislation No Child Left Behind requires newly hired paraprofessionals to complete two years of college, obtain an Associate Degree, or to pass a rigorous test.

Certified teachers in the K-12 school system are required to hold a bachelor's degree, complete a state-approved teacher preparation program at a regionally accredited college/university, and pass a basic skills test and a test for each endorsement. A teacher is responsible for implementing required curriculum in the classroom, assessing student progress, managing classroom discipline, communicating with parents, working cooperatively with other professionals and adhering to all school district policies.

Entrance Requirements: Students may begin their study in the ECE programs in any quarter. In order to start this program, the placement process must be completed through the Testing Center. Visit wwcc.edu/placement for more information.

WSP criminal background check is required to enroll in the program. READ 088 is the minimum level recommended to enroll in ECE courses above 100 level and is required at degree completion. Some courses 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. WAOL courses are available every quarter.

For additional information including regional employment data,

completion rates, student characteristics, and employment see http://www.careerbridge.wa.gov.

Degrees and Certificates

State Early Childhood Education Certificate

This one-year certificate is part of an Early Childhood Education statewide credential career lattice for Early Care and Education professionals.

Certificate available at/via: [Walla Walla]

Certificate Outcomes:

- Demonstrate competency in assisting the teacher in caring for children in early learning settings to include supporting cognitive, physical and social-emotional development of the child.
- Demonstrate appropriate professional and ethical behavior in early childhood settings.
- Demonstrate ability to communicate effectively with adults and children.

YEAR ONE

Quarter One	Credits
ECED& 105, Intro Early Child Ed	5
ECED& 107, Health/Safety/Nutrition	5
ECED& 120, Practicum-Nurturing Rel.	2
ENGL& 101, English Composition I (W)	5
Total Credits	**17**
Quarter Two	**Credits**
ECED& 132, Infants/Toddlers Care.	3
EDUC& 115, Child Development.	5
EDUC& 130, Guiding Behavior	3
MATH& 107, Math in Society (M)	5
Total Credits	**16**
Quarter Three	**Credits**
ECED& 160, Curriculum Development	5
ECED& 180, Lang/ Literacy Develop	3
ECED& 190, Observation/Assessment	3
EDUC& 150, Child/Family/Community	3
Total Credits	**14**
Year One Total	**47**
Grand Total	**47**

EPC: 46E

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - ENGL& 101, ENGL& 102

(M) - AMATH 105, BUS 112, MATH& 107

State Short Early Childhood Education Certificate of Specialization-Administration

This short certificate of specialization is part of an Early Childhood Education statewide credential career lattice for Early Care and Education professionals.

Certificate available at/via: [Walla Walla]

YEAR ONE

Quarter One	Credits
ECED& 105, Intro Early Child Ed	5
ECED& 107, Health/Safety/Nutrition	5
ECED& 120, Practicum-Nurturing Rel.	2
Total Credits	**12**
Quarter Two	**Credits**
ECED& 139, Admin Early Lrng Prog	3
EDUC& 115, Child Development.	5
Total Credits	**8**
Year One Total	**20**
Grand Total	**20**

EPC: 45E

State Short Early Childhood Education Certificate of Specialization-Family Child Care

This short certificate of specialization is part of an Early Childhood Education statewide credential career lattice for Early Care and Education professionals.

Certificate available at/via: [Walla Walla]

YEAR ONE

Quarter One	Credits
ECED& 105, Intro Early Child Ed	5
ECED& 107, Health/Safety/Nutrition	5
ECED& 120, Practicum-Nurturing Rel.	2
Total Credits	**12**
Quarter Two	**Credits**
ECED& 134, Family Child Care	3
EDUC& 115, Child Development.	5
Total Credits	**8**
Year One Total	**20**
Grand Total	**20**

EPC: 44E

State Short Early Childhood Education Certificate of Specialization-School Age Care

This short certificate of specialization is part of an Early Childhood Education statewide credential career lattice for Early Care and Education professionals.

Certificate available at/via: [Walla Walla]

YEAR ONE

Quarter One	Credits
ECED& 105, Intro Early Child Ed	5
ECED& 107, Health/Safety/Nutrition	5
ECED& 120, Practicum-Nurturing Rel.	2
Total Credits	**12**
Quarter Two	**Credits**
EDUC& 115, Child Development.	5
EDUC& 136, School Age Care.	3
Total Credits	**8**
Year One Total	**20**
Grand Total	**20**

EPC: 43E

State Short Early Childhood Education Certificate of Specialization-Infants and Toddlers

This short certificate of specialization is part of an Early Childhood Education statewide credential career lattice for Early Care and Education professionals.

Certificate available at/via: [Walla Walla]

YEAR ONE

Quarter One	Credits
ECED& 105, Intro Early Child Ed	5
ECED& 107, Health/Safety/Nutrition	5
ECED& 120, Practicum-Nurturing Rel.	2
Total Credits	**12**
Quarter Two	**Credits**
ECED& 132, Infants/Toddlers Care.	3
EDUC& 115, Child Development.	5
Total Credits	**8**
Year One Total	**20**
Grand Total	**20**

EPC: 42E

State Short Early Childhood Education Certificate of Specialization-General

This short certificate of specialization is part of an Early Childhood Education statewide credential career lattice for Early Care and Education professionals.

Certificate available at/via: [Walla Walla]

YEAR ONE

Quarter One	Credits
ECED& 105, Intro Early Child Ed	5
ECED& 107, Health/Safety/Nutrition	5
ECED& 120, Practicum-Nurturing Rel.	2
Total Credits	**12**
Quarter Two	**Credits**
EDUC& 115, Child Development.	5
EDUC& 130, Guiding Behavior	3
Total Credits	**8**
Year One Total	**20**
Grand Total	**20**

EPC: 41E

State Initial Early Childhood Education Certificate

The Early Childhood Education Initial Certificate is a state wide credential for early care and education professionals.

Certificate available at/via: [Walla Walla]

YEAR ONE

Quarter One	Credits
ECED& 105, Intro Early Child Ed	5
ECED& 107, Health/Safety/Nutrition	5
ECED& 120, Practicum-Nurturing Rel.	2
Total Credits	**12**
Year One Total	**12**
Grand Total	**12**

EPC: 40E

AAS-T in Early Childhood Education

This is a dual-purpose degree that is intended to prepare students for employment in Early Childhood Education programs such as Head Start, Early Childhood Education and Assistance Program (ECEAP), child care or preschool settings. The degree will transfer to specifi c baccalaureate degree programs, including:

- Eastern Washington University (Children's Studies)
- Evergreen State College (Upside Down Degree)
- Seattle Pacific University (Professional Studies Degree)
- Washington State University (Human Development)

It is strongly recommended that students contact the baccalaureate granting institution early in their Associate in Applied Science-T in Early Childhood Education about additional requirements and procedures for admission. Students must earn a 2.0 or above in all courses required for this degree. Please note that higher GPAs and course grades are often required.

REQUIRED GENERAL EDUCATION COURSES 43 credits

First Year Experience	3 Credits
FYE 101 First Year Experience*	5

** FYE 101 is required for all students with less than 30 college credits.*

Communication Skills	15 Credits
ENGL& 101 English Composition I	5
ENGL& 102 English Composition II	5
CMST& 220 Public Speaking	5
Quantitative Skills (Choose One)	**5 Credits**
MATH& 107 Math in Society	5
MATH& 132 Mathematics for Elementary Education II	5
Humanities (Choose One)	**5 Credits**
ART& 100 Art Appreciation	5
ENGL& 111 Intro to Literature	5
ENGL 149 Classic Children's Literature	5
MUSC& 105 Music Appreciation	5
Social Sciences	**10 Credits**
PSYC& 100 General Psychology	5
SOC& 101 Introduction to Sociology	5
Natural Sciences	**5 Credits**

*Course selection must be a **lab science** from the Natural Science distribution requirements for the AA degree.*

EARLY CHILDHOOD EDUCATION COURSES

Required ECE Courses	31 Credits
ECED& 105 Intro Early Child Ed	5
ECED& 107 Health/Safety/Nutrition	5
ECED& 120 Practicum-Nurturing Rel	2
ECED& 160 Curriculum Development	5
EDUC& 115 Child Development	5
EDUC& 130 Guiding Behavior	3
EDUC& 203 Exceptional Child*	3
ECE 239 Teaching Young Children – Capstone * *	3
Elective ECE Courses	
(Choose from the following courses)	**20 Credits**
ECE 150 Math & Science for Early Childhood	5
ECE 232 Curriculum Development II	5
ECE 255 Children at Risk	3
ECED& 132 Infants/Toddlers Care	3
ECED& 139 Admin Early Lrng Prog*	3

ECED& 170 Environments-Young Child 3
ECED& 180 Lang/Literacy Develop 3
ECED& 190 Observation/Assessment 3
EDUC& 136 School Age Care* 3
or ECED& 134 Family Child Care*
EDUC& 150 Child/Family/Community 3
Total Credits 94

**Indicates courses only available online, not available on campus at WWCC*

***ECE 239 Teaching Young Children – Capstone course is required for the degree.*

Please check with your advisor prior to substituting any coursework.

Associate in Applied 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.

Degree available at/via: [Walla Walla] [Clarkston]

Degree Outcomes:

- Demonstrate competency in assisting the teacher in caring for children in early learning settings to include supporting cognitive, physical and social-emotional development of the child.
- Plan and implement developmentally appropriate curriculum in the early learning setting.
- Demonstrate appropriate professional and ethical behavior in early childhood settings.
- Demonstrate knowledge of strategies to promote, facilitate and extend learning for all children.
- Explain and apply child development principles.
- Demonstrate ability to communicate effectively with adults and children.

Transferability: The AAS 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
AFYE 100, Applied First Year Experience	3
ECED& 105, Intro Early Child Ed	5
ECED& 107, Health/Safety/Nutrition	5
ECED& 120, Practicum-Nurturing Rel.	2
Total Credits	**15**

Quarter Two	Credits
ECED& 132, Infants/Toddlers Care.	3
EDUC& 115, Child Development.	5
EDUC& 130, Guiding Behavior	3
ENGL& 101, English Composition I (W)	5
Total Credits	**16**

Quarter Three	Credits
ECED& 139, Admin Early Lrng Prog	3
ECED& 160, Curriculum Development	5
ECED& 180, Lang/ Literacy Develop	3
EDUC& 150, Child/Family/Community	3
Total Credits	**14**
Year One Total	**45**

Year Two

Quarter One	Credits
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
CMST& 210, Interpersonal Communications (O).	5
ECE 191, Cooperative Work Experience	3
ECED& 170, Environments-Young Child	3
Total Credits	**16**

Quarter Two	Credits
ECE 150, Math and Science for Early Childhood	5
ECE 291, Cooperative Work Experience II	3
ECED& 190, Observation/Assessment	3
EDUC& 136, School Age Care.	3
PSYC& 100, General Psychology	5
Total Credits	**19**

Quarter Three	Credits
ECE 232, The Arts in Early Childhood	5
ECE 239, Teaching Young Children - Capstone	3
ECE 255, Children at Risk	3
EDUC& 203, Exceptional Child	3
Total Credits	**14**
Year Two Total	**49**
Grand Total	**94**

EPC: 402

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

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

(W) - ENGL& 101

(M) - AMATH 105, AMATH 107, BUS 112

(O) - CMST& 210, CMST& 220

(R) - BUS 157

Early Childhood Parenting Education

http://www.wwcc.edu/parenteducation

Samantha Bowen *509.524.5142* *samantha.bowen@wwcc.edu*

Program available at/via: [Walla Walla]

Department Overview: Parenting Education courses are offered to promote the development of knowledge and skills for strong and healthy families. Courses are offered for parents and their toddlers or preschool age children. Courses include topics based on participant interest and need and are offered both on campus and at off-campus locations. Curriculum is research based and is developed and maintained with input from the Early Childhood Education advisory board composed of local and regional educators and parents.

For Estimated Program Cost, view the Paying for College page and click on Cost.

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

Earth Sciences

AAS-T

http://www.wwcc.edu/earthsciences

Melissa Holecek *509.524.5208* *melissa.holecek@wwcc.edu*
David Stockdale *509.524.5193* *david.stockdale@wwcc.edu*

Program available at/via: [Walla Walla]

Department Overview: The Water Technologies & Management program offers four 2+2 degree pathways to Washington State University: Wildlife Ecology & Conservations Science, Environmental & Ecosystem Sciences, Forestry, and Earth Sciences.

In addition the program offers three certificates, and an Associate in Applied Sciences degree (AAS) in Irrigation Management.

Program Level Outcomes:

- Provide the natural resource and irrigation industries with highly trained, fully employable, skilled technicians.
- Develop relationships and/or partnerships with existing natural resource and irrigation organizations and agencies to provide continuing education opportunities for industry practitioners.
- Provide industry work experience during the educational process, giving students exposure to the actual application of natural resource protection and recovery methods and 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 will earn a two year degree that matriculates into a Bachelor of Science in Earth and Environmental Sciences degree in Earth Sciences in the College of Agricultural, Human and Natural Resources (CAHNRS) and College of Arts and Sciences (CAS) at Washington State University.

Industry Description: Earth science is geology and more; it provides foundational knowledge of how our planet works and applies knowledge of the natural process of global change to understanding our current environmental conditions. Practitioners engage with some of our most challenging problems, such as responsible exploration for and extraction and use of our natural resources, understanding consequences of global climate change, and reducing human suffering and property loss from natural hazards.

Entrance Requirements: Students may begin their study in fall, winter, spring, or summer quarter. A placement test offered by the Advising and Counseling Center must be completed prior to starting the program.

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

Degrees

Associate of Applied Science-Transfer Watershed Management-Earth Sciences

Students will earn a two year degree that matriculates into a Bachelor of Science in Earth and Environmental Sciences degree in Earth Sciences in the College of Agricultural, Human and Natural Resources (CAHNRS) and College of Arts and Sciences (CAS) at Washington State University.

Degree available at/via: [Walla Walla]

YEAR ONE

Quarter One	Credits
CHEM& 121, Introduction to Chemistry *	5
ENGL& 101, English Composition I	5
MATH& 141, Precalculus I	5
Total Credits	**15**
Quarter Two	**Credits**
CHEM& 122, Introduction to Organic Chemistry **	5
CMST& 210, Interpersonal Communications	5
MATH& 142, Precalculus II	5
Total Credits	**15**
Quarter Three	**Credits**
CHEM& 123, Introduction to Biochemistry ***	5
ENVS& 101, Introduction to Environmental Science	5
GEOL& 101, Intro to Physical Geology	5
Total Credits	**15**
Year One Total	**45**

YEAR TWO

Quarter One	Credits
AGRI 222, Agricultural and Water Policy	5
BIOL& 211, Majors Cellular	5
ENT 150, Introduction to GIS	3
MATH& 151, Calculus I	5
Total Credits	**18**
Quarter Two	**Credits**
ART& 100, Art Appreciation	5
BIOL& 213, Majors Plant	5
ENT 151, Advanced GIS	3
MATH& 152, Calculus II	5
Total Credits	**18**
Quarter Three	**Credits**
AGRI 201, Microeconomics in Agriculture	5
BIOL& 212, Majors Animal	5
HIST& 128, World Civilization III	5
Total Credits	**15**
Year Two Total	**51**
Grand Total	**96**

EPC: 165U

Economics

http://wwcc.edu/economics

Debora Frazier *509.527.4689* *debora.frazier@wwcc.edu*

Program available at/via: [Walla Walla][Clarkston][Online (partial)]

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.

Program Level Outcomes:

- The ability to analyze past and present society, diverse cultures and histories to better understand individual and group behavior and enhance self-awareness.
- An understanding and working knowledge of the theories, concepts, ideas, terminology, and factual evidence in selected fields within the social sciences.
- Sensitivity in understanding diverse views and perspectives.
- An understanding of the historically and socially constructed nature of human differences.

Degrees: Students may earn an Associate in Arts AA-DTA degree (90 credits) which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should meet with an academic advisor at WWCC and an advisor at their intended baccalaureate institution to determine an appropriate educational plan. (See AA-DTA in Degrees section of catalog).

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.

Education

AA-DTA

http://www.wwcc.edu/education

Samantha Bowen *509.524.5142* *samantha.bowen@wwcc.edu*

Program available at/via: [Walla Walla][Online (partial)]

Department Overview: The Education department offers a variety of courses that prepare students for transfer to a baccalaureate program at a four-year university and to obtain a Washington State Teaching Certificate. A two-year associate degree in Elementary Education or Math Education will also prepare students to enter the workforce as paraprofessionals, working alongside certificated teachers. The Education curriculum provides a foundation in the history of education in the United States as well as an understanding of legal, ethical and philosophical issues applied to educational settings. Opportunities for the ongoing professional development of teachers are also included. Students have the opportunity to apply newly acquired skills and knowledge through participation in a classroom setting. Certified teachers may apply specific courses towards continuing education credits. Program curriculum is reviewed by an advisory board composed of local and regional education professionals. (See AA-DTA in Degrees section of catalog.)

Energy Systems Technology

CERT, AAS

http://wwcc.edu/energy

Charles Miller *509.5292233* *charles.miller@wwcc.edu*

Program available at/via: [Walla Walla][Clarkston]

Department Overview: There is increased demand for technicians and operators with robust electrical, mechanical, and bio-chemical skills and knowledge. Graduates of the Energy Systems Technology degree program are in high demand by public works, power generation, food & beverage processing, pulp & paper milling, manufacturing, agriculture, irrigation, and renewable energy operations!

To complete the AAS degree in Energy Systems Technology, students first complete a one-year electrical core course sequence, and then specialize in one or more of four concentrations that provide opportunities to gain the knowledge and skills needed to**:**

- Calculate, measure, and process a variety of materials to generate high value products, including: electricity, bioproducts, treated water, crops, foods & beverages, paper products, and renewable energy;
- Monitor, adjust, and control equipment to ensure optimal performance, including: turbines, pumps, valves, gates, fans, controllers, filters, conveyors, emitters, drones, robots, and instruments; and
- Troubleshoot, diagnose, and repair/replace wiring and mechanical equipment safely using testing devices and power tools.

A grade of C or higher is needed for EST students in all of their required courses and related instruction. A grade of C or higher indicates the student is gaining the bulk of the intended learning outcomes for each course and is in good standing to proceed in their EST course sequence. EST students will be asked to retake any courses in which a grade of C or higher is not achieved.

Industry Description: Recently, the State Board for Technical and Community Colleges (SBCTC) formally approved the Energy Systems Technology guided pathways model (i.e. of having one degree with multiple concentrations of training for job/career specialization) as an I-BEST program. As a result, a selection of the EST courses may become available in the future with extra in-class support for students in need of assistance in reading, writing, and/or mathematics (i.e. using the I-BEST model). As part of this SBCTC review process, every EST concentration was also designated high demand and so qualifying EST students now can apply through WWCC for the State of WA's Opportunity Grant which "helps low-income adults train for high-wage, high-demand careers" (https://www.sbctc.edu/colleges-staff/programs-services/opportunity-grant/). Please make sure to speak with a Career and Education Navigator to see if you qualify for one or more of the local, state, and/or federal support and assistance programs with which WWCC is connected! Contact Gwen Dentinger for more information: gwendolyn.dentinger@wwcc.edu or 509..524.5189. For program information, to decide which EST degree concentration is right for you, to answer questions about courses and job opportunities, or to learn about the new NSF scholarship opportunity (new students only) please contact, Charles Miller, at: charles.miller@wwcc.edu or 509..529.2233.

Degrees and Certificates

Mechanical Electrical Technician Short Certificate

This short certificate is geared towards providing our regional industry partners with a pathway towards completion of a for-credit credential for their incumbent workers. This short certificate will also serves as an on-ramp for potential new workers to the mechanical-electrical workforce and/or new students to Walla Walla Community College's (WWCC) Energy Systems Technology AAS Degree Program. The Mechanical Electrical Technician short certificate is composed of courses that are also required for our AAS Degree Program in Energy Systems Technology.

YEAR ONE

Quarter One	Credits
EST 106, Process Control Instrumentation and Troubleshooting	5
EST 131, Principles of Electricity Theory	5
EST 133, Introduction to Controls	5
EST 145, Industrial Safety & Material Handling	5
EST 159, Hydraulics and Pneumatics	3
Total Credits	**23**
Year One Total	**23**
Grand Total	**23**

EPC: 780S

** Completion of a minimum of 20 credits of EST mechanical-electrical related courses is required to complete this short certificate.*

Cellar Master Short Certificate

This short certificate is geared towards providing our regional industry partners with a pathway towards completion of a for-credit credential for their incumbent workers. This short certificate will also serve existing WWCC Viticulture and Enology AAS Degree Program students or graduates who want to widen their job/career horizons by broadening their skills and knowledge in: electrical and mechanical systems, water technologies management, and/or bio products. The Cellar Master short certificate is composed of courses that are also required for our AAS Degree Program in Energy Systems Technology.Year One

Quarter One	Credits
Elective**	5
EST 100, Refrigeration Basics *	5
EST 115, Industrial Mechanics *	5
EST 145, Industrial Safety & Material Handling *	5
Total Credits	**20**
Year One Total	**20**
Grand Total	**20**

EPC: 780R

** Can be substituted with EST 131, EST 106, EST 159, EST 202, or WTM 221.*

*** Approved elective can be any EST or EV course.*

Mechanical Electrical Concentration (Year Two)

This concentration provides students opportunities to gain the knowledge and skills needed to: read blueprints or technical diagrams; install and inspect wiring, control, and lighting systems, including transformers and circuit breakers; and troubleshoot, diagnose, and repair or replace wiring and equipment safely to NEC standards using a variety of testing devices and power tools.

Students must complete the electrical systems technology certificate (i.e. the year one core of the Energy Systems Technology degree) before they can complete the Energy Systems Technology degree concentration in Mechanical Electrical Concentration.

Certificate available at/via: [Walla Walla] [Clarkston]

YEAR TWO

Quarter One	Credits
EST 108, Materials, Fasteners, and Raceways	5
EST 159, Hydraulics and Pneumatics	3
EST 235, Introduction to Solar PV and Applications	3
EST 240, Intro to Basic Electronics	5
Total Credits	**16**

Quarter Two	Credits
AENG 100, Writing in the Workplace (W)	5
EST 250, Programmable Logic Controllers	5
EST 252, Principles of Power Generation and Distribution	5
WTM 221, Pump Applications	2
Total Credits	**17**

Quarter Three	Credits
EST 106, Process Control Instrumentation and Troubleshooting	5
EST 255, Direct Digital Controls	5
EST 285, Advanced Instrumentation and PLCs	3
Total Credits	**13**
Year Two Total	**46**
Grand Total	**46**

EPC: 780E

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100

EST - Electrical Systems Technology

This is the first year core common to all concentrations within the Energy Systems Technology AAS degree program. All students should complete this first year course sequence prior to advancing to a concentration leading to the AAS degree.

Certificate available at/via: [Walla Walla] [Clarkston]

Certificate Outcomes:

- Demonstrate knowledge of electrical safety, theory, vocabulary, and calculations of series, parallel, and combination circuits involving direct and alternating current.
- Demonstrate basic knowledge of capacitors, resistive-inductive-capacitive reactance circuits, single and three-phase transformers, DC generators and motors, three-phase alternators, and single and three-phase motors.
- Ability to read schematics, wire and test various types of electrical circuits.
- Demonstrate or describe proper safety procedures for working with rotating machinery, moving heavy objects, pressurized vessels and systems, chemicals, ladders and energy; electrical, heat, cold, fluid.
- Explain solid state components and devices.

YEAR ONE

Quarter One	Credits
AFYE 100, Applied First Year Experience *	3
EST 131, Principles of Electricity Theory	5
EST 145, Industrial Safety & Material Handling	5
EST 260, Introduction to the National Electrical Code	2
Total Credits	**15**

Quarter Two	Credits
AMATH 106, Quantitative Problem Solving for the Trades I (M)**	5
CS 110, Introduction to Computers and Applications	5
ENT 112, Blueprint Reading	2
EST 132, Principles of Electricity AC Application	5
Total Credits	**17**

Quarter Three	Credits
ACOM 102, Communication in the Workplace (O)	5
EST 115, Industrial Mechanics ***	5
EST 133, Introduction to Controls	5
EST 150, Electric Motors and Motor Maintenance	3
IFA 022, AHA Heartsaver First Aid/CPR	.4
Total Credits	**18.4**
Year One Total	**50.4**
Grand Total	**50.4**

EPC: 780D

This is the 1st year core common to all concentrations within the Energy Systems Technology AAS degree program. All students should complete this 1st year course sequence prior to advancing to a concentration leading to the AAS degree.

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** AMATH 105 and AMATH 106 are for Certificate completion only, not for degree completion.*

**** Can substitute EST 115 for CLK students only.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (M) - AMATH 105, AMATH 106

(O) - ACOM 102

Associate in Applied Sciences Degree in Energy Systems Technology

This technical degree prepares the student to enter into a cooperative training experience, often resulting in long-term employment with the training entity. This degree is designed as a pre-apprenticeship preparation.

Degree available at/via: [Walla Walla] [Clarkston]

Degree Outcomes:

- Demonstrate knowledge of electrical safety, theory, vocabulary, and calculations of series, parallel, and combination circuits involving direct and alternating current.
- Demonstrate basic knowledge of capacitors, resistive-inductive-capacitive reactance circuits, single and three-phase transformers, DC generators and motors, three-phase alternators, and single and three-phase motors.
- Ability to read schematics, wire and test various types of electrical circuits.
- Demonstrate or describe proper safety procedures for working with rotating machinery, moving heavy objects, pressurized vessels and systems, chemicals, ladders and energy; electrical, heat, cold, fluid.
- Explain solid state components and devices.
- Demonstrate understanding of programmable logic controls (PLC) and direct digital controls (DDC).

Transferability: The AAS 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
AMATH 107, Quantitative Problem Solving for the Trades II (M)**	5
EST 131, Principles of Electricity Theory	5
EST 145, Industrial Safety & Material Handling	5
EST 260, Introduction to the National Electrical Code	2
Total Credits	**17**

Quarter Two	Credits
AENG 100, Writing in the Workplace (W)	5
CS 110, Introduction to Computers and Applications **	5
ENT 112, Blueprint Reading	2
EST 132, Principles of Electricity AC Application	5
Total Credits	**17**

Quarter Three	Credits
ACOM 102, Communication in the Workplace (O)	5
EST 133, Introduction to Controls	5
EST 150, Electric Motors and Motor Maintenance	3
EST 252, Principles of Power Generation and Distribution	5
IFA 022, AHA Heartsaver First Aid/CPR	.4
Total Credits	**18.4**
Year One Total	**52.4**

Year Two

Quarter One	Credits
EST Elective***	16 - 21
Total Credits	**16-21**

Quarter Two	Credits
EST Elective***	14 - 18
Total Credits	**14-18**

Quarter Three	Credits
EST Elective***	14 - 16.2
Total Credits	**14-16.2**
Year Two Total	**44-55.2**
Grand Total	**96.4-107.6**

EPC: 780A

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** AMATH 105 and AMATH 106 are for Certificate completion only, not for degree completion.*

**** Students will work with advisor to choose a concentration which will determine which elective courses will be taken.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 107

(O) - ACOM 102, CMST 201, CMST& 210

(R) - BUS 157, PSYC& 100

Industrial Mechanics Concentration (Year Two)

Graduates of the Industrial Mechanics concentration will enter the workforce with the knowledge and skills to**:**

- Maintain and repair equipment and industrial machinery, such as: conveying systems, production machinery, and packaging equipment
- Control and operate plant equipment, such as: turbines, pumps, valves, gates, fans, and controllers
- Read blueprints or technical diagrams
- Identify electrical problems using a variety of testing devices
- Repair or replace wiring, equipment, and instruments safely to NEC standards using hand and power tools

Students must complete the electrical systems technology certificate (i.e. the year one core of the Energy Systems Technology degree) before they can complete the Energy Systems Technology degree concentration in Industrial Maintenance Concentration.

Certificate available at/via: [Clarkston]

YEAR TWO

Quarter One	Credits
EST 106, Process Control Instrumentation and Troubleshooting	5
EST 159, Hydraulics and Pneumatics	3
PMT 109, Introduction to Precision Machining.	5
Total Credits	**13**
Quarter Two	**Credits**
AENG 100, Writing in the Workplace (W)	5
PMT 111, Precision Machining Basics I	5
WELD 141, Welding Basics	4
WTM 221, Pump Applications	2
Total Credits	**16**
Quarter Three	**Credits**
Elective	5
EST 250, Programmable Logic Controllers	5
PMT 121, Precision Machining Basics II.	5
Total Credits	**15**
Year Two Total	**44**
Grand Total	**44**

EPC: 768E

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100

Facilities Energy Management Concentration (Year Two)

The Facilities Energy Management concentration is for students who want to monitor and manage heating, cooling, ventilation, energy, security, and other building and campus scale systems within an integrated central supervisory control and data acquisition system using direct digital controls.

Students must complete the electrical systems technology certificate (i.e. the year one core of the Energy Systems Technology degree) before they can complete the Energy Systems Technology degree concentration in Facilities Energy Management.

Certificate available at/via: [Walla Walla] [Clarkston]

YEAR TWO

Quarter One	Credits
EST 100, Refrigeration Basics	5
EST 240, Intro to Basic Electronics	5
EST 252, Principles of Power Generation and Distribution	5
Total Credits	**15**
Quarter Two	**Credits**
AENG 100, Writing in the Workplace (W)	5
EST 110, Refrigeration Components	5
EST 250, Programmable Logic Controllers	5
WTM 221, Pump Applications	2
Total Credits	**17**
Quarter Three	**Credits**
EST 106, Process Control Instrumentation and Troubleshooting	5
EST 255, Direct Digital Controls	5
EST 263, Commercial Heating and Boiler Systems	5
Total Credits	**15**
Year Two Total	**47**
Grand Total	**47**

EPC: 703G

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100

Renewable Energy Concentration (Year Two)

The Renewable Energy Technology concentration provides students opportunities to gain the knowledge and skills needed to:

- Assemble and install renewable energy systems (solar, wind, hydro-electric, biofuel/ bioproducts);
- Monitor and control/adjust equipment to ensure optimal performance, including: turbines, pumps, valves, gates, fans, controllers, filters, and instruments; and
- Troubleshoot, diagnose, and repair or replace wiring and electrical, mechanical, and hydraulic equipment safely to NEC standards using a variety of testing devices and power tools.

Students must complete the electrical systems technology certificate (i.e. the year one core of the Energy Systems Technology degree) before they can complete the Energy Systems Technology degree concentration in Renewable Energy Concentration.

Certificate available at/via: [Walla Walla] [Clarkston]

YEAR TWO

Quarter One	Credits
EST 103, Introduction to Wind Energy	3
EST 159, Hydraulics and Pneumatics	3
EST 235, Introduction to Solar PV and Applications.	3
EST 240, Intro to Basic Electronics	5
Total Credits	**14**
Quarter Two	**Credits**
AENG 100, Writing in the Workplace (W)	5
EST 106, Process Control Instrumentation and Troubleshooting	5
EST 250, Programmable Logic Controllers	5
EST 252, Principles of Power Generation and Distribution	5
Total Credits	**20**
Quarter Three	**Credits**
EST 108, Materials, Fasteners, and Raceways	5
EST 175, Tower Rescue and Climbing Competency	1.2
EST 270, Wind Power Plant Operations and Advanced Mechanical Systems	5
EST 285, Advanced Instrumentation and PLCs	3
Total Credits	**14.2**
Year Two Total	**48.2**
Grand Total	**48.2**

EPC: 609G

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100

Precision Agriculture Concentration (Year Two)

The Precision Agriculture concentration provides students opportunities to gain the knowledge and skills needed to:

- Apply GIS and GPS to the operation of farm equipment, pest management, nutrient application, yield mapping, and variable-rate irrigation;

- Analyze digital maps and remote sensing images to compare topography with soils, nutrients, and climate data;
- Prepare and operate equipment to compile and analyze test results; and
- Perform equipment maintenance and repairs safely with a variety of power tools.

Students must complete the electrical systems technology certificate (i.e. the year one core of the Energy Systems Technology degree) before they can complete the Energy Systems Technology degree concentration in Precision Agriculture Concentration.

Certificate available at/via: [Walla Walla] [Clarkston]

YEAR TWO

Quarter One	Credits
AGPR 201, Basic Soil Science	5
AGPR 215, Field Crop Production	5
ENT 150, Introduction to GIS	3
EST 159, Hydraulics and Pneumatics *	3
WTM 112, Irrigation Principles	5
Total Credits	**21**
Quarter Two	**Credits**
AGPR 113, Cultivated Plants	5
AGPR 140, Agriculture Safety and Pesticides	5
AGPR 170, Precision Equipment Installation and Troubleshooting	4
CS 121, Problem Solving with Programming	5
ENT 151, Advanced GIS	3
Total Credits	**22**
Quarter Three	**Credits**
AGPR 254, Robotics and Drone Technologies	5
ENT 161, Introduction to Surveying	5
Total Credits	**10**
Year Two Total	**53**
Grand Total	**53**

EPC: 125D

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

Engineering Technology

CERT

http://www.wwcc.edu/engineeringtech

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Program available at/via: [Walla Walla]

Department Overview: The Engineering Technology Program provides entry-level training for technicians to support engineers in the development and construction oversight of infrastructure such as roadway, utility, and related systems that affect every aspect of daily life. Current coursework is focused on a one year certificate that provides hands-on training in computer-aided drafting and design, engineering graphics, and surveying, and students will be able to enter the workforce upon completion. The curriculum is kept current through an advisory board composed of local and regional industry members.

Program Level Outcomes:

- Provide the skills necessary to enter the workforce as a GIS or CADD Technician or Surveyor.
- Remain technically current and responsive to the changing needs of society.

Degrees: Students may earn a one-year certificate in GIS, CADD & Surveying, which allows students to pursue careers after one year of training. students may also earn a short certificate in GIS, a short certificate in CADD, or a short certificate in Surveying.

Click here for information regarding the Engineering Transfer degree.

Industry Description: Engineers change the world by developing creative, practical solutions and creating things that matter. Demand for engineers and engineering technicians continues to grow globally. Engineering Technicians assist engineers with surveying, and computer aided drafting and design. WWCC offers a one-year certificate that provides the most in-demand skills in Geographic Information Systems (GIS), Computer-Aided Drafting & Design (CADD), and Surveying.

Entrance Requirements: Students may begin their study in fall, winter, or spring quarters. However, not all courses are offered all quarters and certain sequences begin only in fall. In order to start this program, the placement process must be completed through the Testing Center. Visit wwcc.edu/placement for more information. Also, several courses are offered on a continuation education basis without the need to be admitted to the program. Review prerequisites and consult with engineering faculty to confirm which courses may qualify.

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

Degrees and Certificates

GIS Short Certificate

YEAR ONE

Quarter One	Credits
ENT 150, Introduction to GIS	3
Total Credits	**3**
Quarter Two	**Credits**
ENT 151, Advanced GIS	3
Total Credits	**3**
Quarter Three	**Credits**
ENT 152, Practical Agricultural Applications of GIS	3
Total Credits	**3**
Year One Total	**9**
Grand Total	**9**

EPC: 624S

CADD Short Certificate

YEAR ONE

Quarter One	Credits
ENT 121, 2-D Computer Aided Drafting and Design	3
Total Credits	**3**
Quarter Two	**Credits**
ENT 122, 3-D Advanced Computer Aided Modeling & Design	5
Total Credits	**5**
Year One Total	**8**
Grand Total	**8**

EPC: 624R

GIS, CADD & Surveying Certificate

This certificate prepares the student for employment as a surveying technician with most city, county, state, federal agencies and private consultants.

Certificate available at/via: [Walla Walla]

Certificate Outcomes:

- Relate surveying to engineering and contemporary issues.
- Demonstrate an ability to function on teams.
- Produce effective reports and field records.
- Utilize graphic techniques and CAD software to produce survey documents.
- Utilize productivity software to solve technical problems.
- Set up and utilize modern field survey equipment.
- Compute information for land measurement.
- Compute line and grade for construction.

YEAR ONE

Quarter One	Credits
AMATH 107, Quantitative Problem Solving for the Trades II (M)	5
ENGR& 111, Engineering Graphics 1	3
ENT 112, Blueprint Reading	2
ENT 150, Introduction to GIS	3
Total Credits	**13**

Quarter Two	Credits
AENG 100, Writing in the Workplace (W)	5
ENT Elective*	5
ENT 121, 2-D Computer Aided Drafting and Design	3
ENT 151, Advanced GIS	3
IFA 022, AHA Heartsaver First Aid/CPR	.4
TRK 095, Flagger Training	0.8
Total Credits	**17.2**

Quarter Three	Credits
ACOM 102, Communication in the Workplace (O)	5
ENT 122, 3-D Advanced Computer Aided Modeling & Design	5
ENT 161, Introduction to Surveying	5
Total Credits	**15**
Year One Total	**45.2**
Grand Total	**45.2**

EPC: 624

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

Advisor approved WTM, AGPR, ENGR, ENT, EST Elective

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100

(M) - AMATH 107

(O) - ACOM 102

Engineering Transfer

AS

http://www.wwcc.edu/engineering

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Program available at/via: [Walla Walla][Online (full)]

Department Overview: The Engineering Transfer Program provides students with a foundation in engineering education and prepares them to transfer to and complete a baccalaureate degree at an ABET (Accreditation Board for Engineering and Technology)-accredited institution. Students gain a sound education in chemistry, physics, mathematics, engineering mechanics and fundamentals, writing composition, humanities, and social sciences among other subjects through an Associates in Science degree required to advance to upper-level courses. The curriculum is based upon the State of Washington-approved Major Ready Program (MRP) for engineering transfer students. The engineering program is reviewed by an advisory board composed of local and regional industry members.

Program Level Outcomes:

- Provide a sound engineering education in preparation to transfer to and complete training at a baccalaureate engineering institution.
- Develop critical thinking and problem solving skills, both technical and non-technical.
- Provide a well-balanced educational experience that fosters 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 Science Transfer (AS-T) Degree in one of two ways (click on either below to learn more), which prepares them to continue their education at an ABET-accredited baccalaureate institution. Please consult with an adviser at WWCC and one's intended transfer institution to determine an appropriate education plan.

- Option II (Engineering): A 90 college-level credit state-standard program. A recommended list of courses in included under degrees.
- Track 2: A Major Ready Program (MRP) agreement between the community and technical college system and many universities within the state of Washington as an equivalent for the first two years of engineering education.

Click here for information regarding Engineering Technology degrees offered at WWCC.

Industry Description: Engineers change the world by developing creative practical solutions and creating things that matter. Engineers work both indoors and outdoors, using an array of technologies. Demand for engineers has is outpacing global need.

Engineering is that industry that plans, develops, and monitors construction of facilities such as roadway, water supply, and communication systems; or manufacturing of items such as equipment or electronics. It encompasses many specialties such as structural, water resource, environmental, transportation, mechanical, and electrical engineering. Engineers complete investigations, perform computations, manage projects, develop plans, and inspect construction or fabrication.

The ability to visualize components spatially, perform computations, be organized, account for cost, and use computers effectively is essential to a successful engineer.

Entrance Requirements: Students may begin their study in fall, winter, or spring quarters. However, not all courses are offered all quarters and certain sequences begin only in fall. In order to start this program, the placement process must be completed through the Testing Center. Visit wwcc.edu/placementfor more information. Also, several courses

are offered on a continuation education basis without the need to be admitted to the program. Review prerequisites and consult with engineering faculty to confirm which courses may qualify.

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

Degrees

Associate in Science Degree - Option II (Engineering)

This degree prepares the student to transfer to an ABET-accredited baccalaureate institution. Click here to see degree opportunities for Engineering Technologies.

Degree available at/via: [Walla Walla]

Degree Outcomes:

- Demonstrate a commitment to quality, timeliness and continuous improvement.
- Determine forces and stresses in elementary structural systems.
- Utilize software to solve technical problems.

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

YEAR ONE

Quarter One	Credits
CHEM& 161, General Chemistry I w/Lab	5
Physical Education Elective	1
MATH& 141, Precalculus I or approved elective	5
ENGL& 101, English Composition I	5
Total Credits	**16**

Quarter Two	Credits
MATH& 142, Precalculus II or approved elective	5
Science or Math or Computer Science Elective	5
Social Science Elective, recommended:	
ECON& 202, Macroeconomics	5
Total Credits	**15**

Quarter Three	Credits
Approved Elective, Recommended ENGR&*	5
Approved Elective, Recommended ENGR&*	2 - 5
Physical Education Elective	1
Science or Math Elective	5
Total Credits	**13-16**
Year One Total	**44-47**

YEAR TWO

Quarter One	Credits
Physical Education Elective	1
Humanities Elective	5
MATH& 151, Calculus I	5
PHYS 201, Physics for Science and Engineering I	5
Total Credits	**16**

Quarter Two	Credits
Humanities or Social Science Elective	5
MATH& 152, Calculus II	5
PHYS 202, Physics for Science and Engineering II	5
Total Credits	**15**

Quarter Three	Credits
Approved Elective, Recommended ENGR&*	5
MATH& 153, Calculus III or MATH 201, Statistics	5
PHYS 203, Physics for Science and Engineering III	5
Total Credits	**15**
Year Two Total	**46**
Grand Total	**90-93**

EPC: 004E

** Approved Electives: MATH 220, 238, &254, CHEM& 162, 163, BIOL& 211, ENGR& 214, 225, CS 131, 141 AND CMST& 220. Please consult your WWCC advisor for other approved electives for your major.*

English

http://wwcc.edu/english

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Program available at/via: [Walla Walla][Clarkston][Online (partial)]

Department Overview: English courses at WWCC prepare students for success in both their collegiate and professional lives. Writing courses assist students in presenting their thoughts in an organized manner and improving their decision making, problem solving, and critical thinking. Literature courses help students interpret complex works to derive meaning and insight into the human need to create.

Program Level Outcomes:

- Examine culturally and linguistically diverse works in literature and film and demonstrate an aesthetic and intellectual comprehension.
- Demonstrate skills appropriate to evaluation of information, critical thinking, and creation of organized, coherent writing.
- Articulate complex ideas and employ evidence in the production of assigned work.

Degrees: Students may earn an Associate in Arts AA-DTA degree (90 credits) which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should meet with an academic advisor at WWCC and an advisor at their intended baccalaureate institution to determine an appropriate educational plan. (See AA-DTA in Degrees section of catalog).

Entrance Requirements: Students must take a placement test to determine enrollment level.

Preparation for Success: Students are encouraged to read widely, to begin to develop the habit of self-education which will serve them in college and in their professional lives. Reading widely will enable students to more easily evaluate information, formulate positions on various topics, assess arguments, and employ critical thinking.

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 Center for Academic Success is a great place for students to work one-on-one with a tutor to review their writing in any course at the College.

Enology and Viticulture

CERT, AAS-T, AAS

https://www.wwcc.edu/enology

Danielle Swan-froese *509.524.5170* *danielle.swan-froese@wwcc.edu*

Program available at/via: [Walla Walla]

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 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 at COLLEGE CELLARS where students are responsible for winemaking and wine-related chemistry.

Courses in wine marketing are available and students have opportunities 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. The Enology and Viticulture curriculum is reviewed by an advisory board composed of local and regional industry members.

Degrees: Students may earn an Associate in Applied 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 wine grape farming, and a Fermentation Certificate, which is dedicated to the science of wine making, are available as individual certificates or in conjunction with the completion of the degree program. An Associates in Applied Sciences-Transfer is available for students who plan to pursue a baccalaureate degree.

Students may also choose to earn an Associate in Applied Sciences Degree in Wine Business.

Industry Description: Washington State is the 2nd largest premium wine producer in the U.S. Wine production in the state of Washington has rapidly grown to become an $4.6 billion industry, with more than 50,000 acres of vineyards, 900+ bonded wineries, and a new licensed and bonded winery emerging every month. In the Walla Walla Valley alone, there are nearly 1600 acres planted in vineyards, while the number of bonded wineries in the area has grown from 8. 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: The Enology & Viticulture Program requires an additional admissions process. Please click here to view the admissions guidelines.

Students must be at least 18 years of age and have a high school diploma or GED® to enroll in the Enology and Viticulture program

Due to course sequencing, students must begin the program in the fall. Prospective students must submit a resume and essay to the Institute for Enology and Viticulture, and may also be required to interview with one of the Institute's instructors. In order to start this program, the placement process must be completed through the Testing Center. Visit wwcc.edu/placement for more information.

Students must be physically able to safely perform the tasks required in the vineyard and winery, which will include pruning, lifting, climbing, bending, stretching, twisting, crawling and moving, lifting, carrying, pushing and pulling items weighing up to 50 lbs. Ability to taste, smell, and check for optical clarity of wine. Ability to visually inspect and sort wine grapes - checking for diseases and insects - during the growing season through harvest.

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.careerbridge.wa.gov.

Degrees

Associate in Applied Sciences Degree in Wine Business

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.

Degree available at/via: [Walla Walla] [Online (partial)]

Degree Outcomes:

- Demonstrate knowledge of accounting basics.
- Demonstrate ability to use computer software to create and use written documents, including spreadsheets, graphical presentations and databases.
- Prepare and orally deliver a sales presentation to a prospect which includes appropriate techniques for opening, presenting product, handling objections and closing.
- Identify and apply management tools used to measure business performance.
- List parts of a business plan and explain the benefits of creating a plan.
- Discuss structure and characteristics of the food/beverage product, agricultural production, food processing and retailing; and their influence on food/beverage marketing.
- Explain process and influences on making laws in the U.S.

Transferability: The AAS 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
BUS 102, Sales and Customer Service	5
BUS 112, Business Mathematics (M)	5
BUS& 101, Introduction to Business *	5
EV Elective**	3
Total Credits	**18**

Quarter Two	Credits
ACCT& 201, Principles of Accounting I	5
BUS 210, Principles of Marketing	5
ENGL& 101, English Composition I (W)	5
EV 108, Wine Industry Marketplace	2
Total Credits	**17**

Quarter Three	Credits
AGRI 211, Small Business Management *	5
CS 110, Introduction to Computers and Applications *	5
EV 180, Wines of the World	1
EV 299, Professional Wine Leadership	1
Total Credits	**12**
Year One Total	**47**

Year Two

Quarter One	Credits
BUS 157, Human Relations in Business (R)	5
BUS& 201, Business Law I	5
CA 133, Food, Wine & Beverage Pairing	3
ECON 200, Survey of Economics	5
Total Credits	**18**

Quarter Two	Credits
BUS 215, eMarketing	5
CMST& 220, Public Speaking (O)	5
EV 143, Wine Marketing	5
Total Credits	**15**

Quarter Three	Credits
EV 191, Cooperative Work Experience***	6
EV 131, Essentials of Winery Compliance	2
EV 189, Sensory Analysis of Wine	3
EV 193, Winery Operations Management	3
Total Credits	**14**
Year Two Total	**47**
Grand Total	**94**

EPC: 502W

** Students may choose from courses as follows: BUS 101 or BUS 110; AGRI 211; CS 100 or CS 110.*

*** Students must be at least 18 years of age and have a high school diplopma or GED® to enroll in the E&V program. Students are required to attend an orientation to the E&V program prior to enrollment in EV 106. Students must submit the following to the E&V Department before enrollment in any EV courses: 1) Current typed resume; (2) Typed essay, 500 words or less, covering the following areas: why you have chosen to pursue studies in Wine Marketing; what positive attributes you bring to the Wine Marketing program at WWCC; and what you plan to accomplish with your degree. It is recommended that students obtain their MAST permit within the first year of the program to facilitate volunteer and cooperative learning opportunities.*

**** Students must complete 6 credits of cooperative work experience in order to earn degree. Co-op hours may be completed in the summer.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - BUS 137, ENGL& 101, WRITE 100

(M) - BUS 112, BUS 113, MATH 115

(O) - CMST& 220

(R) - BUS 157

Associate of Arts and Science - Transfer - WSU - Enology & Viticulture

This degree is articulated with Washington State University's College of Agriculture, Human and Natural Resources Sciences B.S. in Integrated Plant Sciences, Viticulture & Enology.

Degree available at/via: [Walla Walla]

Year One

Quarter One	Credits
AGPR 201, Basic Soil Science	5
CHEM& 121, Intro to Chemistry or CHEM& 161, General Chemistry I w/Lab	5
EV 107, Introduction to Viticulture and Enology	4
EV 196, Viticulture Practicum I	1
WTM 112, Irrigation Principles	5
Total Credits	**20**

Quarter Two	Credits
AGPR 114, Plant Physiology	5
AGPR 202, Soils Fertility and Management	5
CHEM& 122, Introduction to Organic Chemistry or CHEM& 162, General Chemistry II w/Lab	5
EV 101, Establishing a Vinifera Vineyard	4
EV 197, Viticulture Practicum II	1
Total Credits	**20**

Quarter Three	Credits
AGRI 211, Small Business Management	5
CHEM& 123, Introduction to Biochemistry or CHEM& 163, General Chemistry III w/Lab	5
EV 102, Maintaining a Vinifera Vineyard	5
ENGL& 101, English Composition I	5
EV 198, Viticulture Practicum III	1
Total Credits	**21**
Year One Total	**61**

Year Two

Quarter One	Credits
BIOL& 211, Majors Cellular	5
CMST& 220, Public Speaking	5
EV 286, Winemaking Practicum I	1
EV 203, Science of Winemaking I - Oenochem	3
Total Credits	**14**

Quarter Two	Credits
AGRI 201, Microeconomics in Agriculture	5
BIOL& 213, Majors Plant	5
EV 287, Winemaking Practicum II	1
EV 204, Science of Winemaking II	5
WTM 220, Drip Irrigation	2
Total Credits	**18**

Quarter Three	Credits
AGPR 113, Cultivated Plants	5
BIOL& 212, Majors Animal	5
EV 205, Science of Winemaking III	4
EV 288, Winemaking Practicum III	1
MATH& 146, Introduction to Statistics	5
Total Credits	**20**
Year Two Total	**52**
Grand Total	**113**

EPC: 121T

Fermentation Science Certificate

This certificate is dedicated to the science of wine making. Students must complete related instruction requirements in the following categories to receive this certificate: Written Communications, Oral Communications, Job Seeking Skills, and Human Relations. Students must complete the Viticulture Science Certificate before completing the Fermentation Science Certificate.

Certificate available at/via: [Walla Walla]

Certificate Outcomes:

- Perform basic wine sensory evaluations.

- Clean winery and wine equipment.
- Monitor red and white wine fermentation.
- Chemically analyze wine.
- Perform post-fermentation cellar operations.
- Blend and age wines.
- Bottle and label wines.

YEAR ONE

Quarter One	Credits
EV Elective*	6
EV 189, Sensory Analysis of Wine	3
EV 203, Science of Winemaking I - Oenochem	3
Total Credits	**12**
Quarter Two	**Credits**
EV 120, Introduction to Chemistry for Wine Students	3
EV 286, Winemaking Practicum I	2 - 12
Total Credits	**.5-15**
Quarter Three	**Credits**
AENG 100, Writing in the Workplace (W)	5
EV 143, Wine Marketing	5
EV 204, Science of Winemaking II	5
Total Credits	**15**
Quarter Four	**Credits**
EV Elective*	4
EV 131, Essentials of Winery Compliance	2
EV 193, Winery Operations Management	3
EV 205, Science of Winemaking III	4
Total Credits	**13**
Year One Total	**45-55**
Grand Total	**45-55**

EPC: 121E

Students must complete related instruction requirements in the following categories to receive this certificate: Written Communications, Oral Communications, Job Seeking Skills, and Human Relations. Students must complete the Viticulture Science Certificate before completing the Fermentation Science Certificate.

** EV Electives: A minimum of seven to twenty elective credits must be met for degree completion. A full listing of elective course options can be found online at https://dept.wwcc.edu/enology/courses-degrees/.*

REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100

(R) - BUS 102, BUS 157, OCSUP 101, PSYC 111

Viticulture Science Certificate

This certificate is dedicated to the science of wine making/winegrape growing. Students must complete related instruction requirements in the following categories to receive a certificate: Oral Communications, Computation/Mathematics, and Leadership. Students can complete the Viticulture Science Certificate before completing the Fermentation Science Certificate.

Certificate available at/via: [Walla Walla]

Certificate Outcomes:

- Plan and equip a new vineyard, propagate grape vines, and provide post-planting care.
- Maintain the vineyard from the point of dormancy through the harvest.
- Recognize symptoms of vine disease and insect infestation as well as identify potential remedies.
- Produce an assortment of wine styles.
- Clean winery and wine equipment.

YEAR ONE

Quarter One	Credits
AGPR 113, Cultivated Plants	5
AGPR 201, Basic Soil Science	5
EV 107, Introduction to Viticulture and Enology	4
Total Credits	**14**
Quarter Two	**Credits**
AGPR 202, Soils Fertility and Management	5
EV Elective*	1
EV 101, Establishing a Vinifera Vineyard	4
WTM 112, Irrigation Principles	5
Total Credits	**15**
Quarter Three	**Credits**
ACOM 102, Communication in the Workplace (O)	5
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
EV 102, Maintaining a Vinifera Vineyard	4
WTM 220, Drip Irrigation	2
Total Credits	**16**
Year One Total	**45**
Grand Total	**45**

EPC: 121C

** EV Electives: A minimum of seven to twenty elective credits must be met for degree completion. A full listing of elective course options can be found online at https://dept.wwcc.edu/enology/courses-degrees/.*

REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (M) - AMATH 105, BUS 112, MATH& 146

(O) - ACOM 102, CMST 102, CMST& 220

(R) - BUS 157, PSYC& 100

Associate in Applied Sciences Degree in Enology & Viticulture

This technical degree prepares the student for a variety of careers in vineyards (vineyard workers, crew leaders, managers, viticulturists) and wineries (winemakers, cellar workers, lab technicians, retail sales representatives).

Degree available at/via: [Walla Walla]

Degree Outcomes:

- Plan and equip a new vineyard, propagate grape vines, and provide post-planting care.
- Maintain the vineyard from the point of dormancy through the harvest.
- Recognize symptoms of vine disease and insect infestation as well as identify potential remedies.
- Produce an assortment of wine styles.
- Perform basic wine sensory evaluations.
- Clean winery and wine equipment.
- Monitor red and white wine fermentation.
- Chemically analyze wine.
- Perform post-fermentation cellar operations.
- Blend and age wines.

- Bottle and label wines.

Transferability: The AAS 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 may be able to adjust their coursework to facilitate this transfer.

Year One

Quarter One	Credits
AGPR 113, Cultivated Plants	5
AGPR 201, Basic Soil Science	5
EV 107, Introduction to Viticulture and Enology	4
Total Credits	**14**

Quarter Two	Credits
AGPR 202, Soils Fertility and Management	5
EV 101, Establishing a Vinifera Vineyard	4
EV 120, Introduction to Chemistry for Wine Students	3
WTM 112, Irrigation Principles	5
Total Credits	**17**

Quarter Three	Credits
ACOM 102, Communication in the Workplace (O)***	5
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
EV 102, Maintaining a Vinifera Vineyard	4
WTM 220, Drip Irrigation	2
Total Credits	**16**

Quarter Four	Credits
EV Elective Offering(s)*	3
EV 189, Sensory Analysis of Wine	3
EV 203, Science of Winemaking I - Oenochem	3
EV 230, Advanced Vineyard Management	3
Total Credits	**12**
Year One Total	**59**

Year Two

Quarter One	Credits
EV 286, Winemaking Practicum I	2 - 12
Total Credits	**2-12**

Quarter Two	Credits
AENG 100, Writing in the Workplace (W)**	5
EV Elective Offering(s)*	2
EV 143, Wine Marketing	5
EV 204, Science of Winemaking II	5
Total Credits	**17**

Quarter Three	Credits
EV Elective	3
EV 131, Essentials of Winery Compliance	2
EV 193, Winery Operations Management	3
EV 205, Science of Winemaking III	4
Total Credits	**12**
Year Two Total	**31-41**
Grand Total	**90-100**

EPC: 121

** EV Elective(s) - a minimum of 7 to 20 elective credits must be taken to complete the degree. Elective courses include: EV 100, EV 140, EV 180, AGPR 105, AGPR 114, AGPR 230, AGRI 211, BUS 170, BUS 173, BUS 210, BUS 215, CA 133, EST 106, EST 115, EST 131, EST 132, EST 144, EST 150, EST 159, EST 165, IFA 022, SPAN& 121, WELD 141 and/or any CHEM or AG CHEM course.*

REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 105, AMATH 106, AMATH 107, BUS 112, MATH& 146

(O) - ACOM 102, CMST 201, CMST& 210

(R) - BUS 157, PSYC& 100

Environmental and Ecosystem Sciences

AAS-T

http://www.wwcc.edu/wtmee

Melissa Holecek *509.524.5208* *melissa.holecek@wwcc.edu*
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Program available at/via: [Walla Walla]

Department Overview: The Water Technologies & Management program offers four 2+2 degree pathways to Washington State University: Wildlife Ecology & Conservation Science, Environmental & Ecosystem Science, Forestry, and Earth Sciences.

The Water Technologies and Management program offers three certificates, and an Associate in Applied Sciences degree (AAS) in Irrigation Management.

Program Level Outcomes:

- An understanding of discipline-specific terminology and methods.
- An ability to use discipline-specific tools and/or techniques correctly.
- Critical thinking skills necessary in water and natural resources, including problem solving skills and the use of data.
- The ability to research, interpret, and communicate concepts.
- An understanding of the relationships between course concepts and society, including the impact of course-specific technology.

Degrees: Students will earn a two year degree that matriculates into a Bachelor of Science in Earth and Environmental Sciences degree in Environmental & Ecosystem Sciences in the College of Agricultural, Human and Natural Resources (CAHNRS) and College of Arts and Sciences (CAS) at Washington State University.

Industry Description: Environmental and ecosystem sciences focus on the interactions of physical, chemical, and biological conditions of natural and human modified environments, with the goal of solving growing environmental challenges. Practitioners work to apply science and find solutions to environmental, resource conservation, and sustainability issues, and to manage and preserve natural areas and ecosystems. Students in this program will complete the basic science and related courses needed to transfer to WSU to pursue discipline-specific upper level courses.

Entrance Requirements: Students may begin their study in fall, winter, spring, or summer quarter. A placement test offered by the Advising and Counseling Center must be completed prior to starting the program.

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

Degrees

Associate of Applied Science-Transfer Watershed Management-Environmental and Ecosystem Sciences

Students will earn a two year degree that matriculates into a Bachelor of Science in Earth and Environmental Sciences degree in Environmental & Ecosystem Sciences in the College of Agricultural, Human and Natural Resources (CAHNRS) and College of Arts and Sciences (CAS) at Washington State University.

Degree available at/via: [Walla Walla]

YEAR ONE

Quarter One	Credits
AGPR 201, Basic Soil Science	5
CHEM& 121, Introduction to Chemistry *	5
MATH& 141, Precalculus I	5
Total Credits	**15**
Quarter Two	**Credits**
CHEM& 122, Introduction to Organic Chemistry **	5
ENGL& 101, English Composition I	5
MATH& 142, Precalculus II	5
Total Credits	**15**
Quarter Three	**Credits**
AGRI 201, Microeconomics in Agriculture	5
CHEM& 123, Introduction to Biochemistry ***	5
ENVS& 101, Introduction to Environmental Science	5
HIST& 128, World Civilization III	5
Total Credits	**20**
Year One Total	**50**

YEAR TWO

Quarter One	Credits
BIOL& 211, Majors Cellular	5
CMST& 210, Interpersonal Communications	5
ENT 150, Introduction to GIS	3
Total Credits	**13**
Quarter Two	**Credits**
ART& 100, Art Appreciation	5
BIOL& 213, Majors Plant	5
ENT 151, Advanced GIS	3
MATH& 146, Introduction to Statistics	5
Total Credits	**18**
Quarter Three	**Credits**
AGRI 222, Agricultural and Water Policy	5
BIOL& 212, Majors Animal	5
GEOL& 101, Intro to Physical Geology	5
Total Credits	**15**
Year Two Total	**46**
Grand Total	**96**

EPC: 165V

Environmental Studies

http://www.wwcc.edu/environmentalstudies

Program available at/via: [Walla Walla]

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.

Program Level Outcomes:

- An understanding of discipline-specific terminology and methods.
- An ability to correctly use discipline-specific tools and/or techniques.
- Critical thinking skills necessary in science including appropriate study techniques, problem solving skills and the use of data to assess the validity of claims.
- The ability to research, interpret and communicate concepts obtained from scientific literature.
- An understanding of the relationships between course concepts and society, including the impact of course specific technology.

Fire Science

CERT, AAS

http://wwcc.edu/fire

Program available at/via: [Walla Walla][Online (partial)]

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. 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 and the Emergency Medical Services (EMS) system in order to offer a quality program; curriculum is reviewed by an advisory board composed of these local and regional industry members.

Program Level Outcomes:

- Support Fire Service Agencies in providing quality service to their communities through training and education.
- Ensure that all Walla Walla Community College Fire Science education courses reflect current industry standards.
- Promote a culture of health, safety, and welfare for all Fire Service personnel and the public they serve. Ensure "everyone goes home" as our overriding philosophy of fire training and education.
- Promote collaboration and sharing of training resources between agencies on a local and regional basis to more efficiently deliver fire training and education.
- Design curriculum which promotes articulation between degree levels and educational institutions.

Degrees: Students may earn an Associate in Applied 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 must apply to the Fire Science Program and to the EMT program and may begin their study in the Fire Science program in fall quarter. Students who miss the fall enrollment period may take the EMT program when offered and general educational courses at any time and then take the fire related courses when the program begins again. In order to start this program, the placement process must be completed through the Testing Center. Visit wwcc.edu/placement for more information. 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.

Other Information: Students are encouraged to seek positions in the local student resident firefighter programs, in which lodging is provided in exchange for taking calls as a volunteer member of local fire agencies.

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

Degrees and Certificates

Emergency Services Short Certificate

EMERGENCY SERVICES SHORT CERTIFICATE YEAR ONE

Quarter One	Credits
HO 130, Emergency Medical Technician Program	10
Total Credits	**10**
Quarter Two	**Credits**
FCA 170, Hazmat Operations	3
Total Credits	**3**
Quarter Three	**Credits**
FCA 135, Fire Science Resume Building & Interviews	1
Total Credits	**1**
Year One Total	**14**
Grand Total	**14**

EPC: 828E

Fire Academy Short Certificate

FIRE ACADEMY SHORT CERTIFICATE YEAR ONE

Quarter One	Credits
FCA 101, Firefighting Academy 101	10
Total Credits	**10**
Year One Total	**10**
Grand Total	**10**

EPC: 828D

Fire Science Certificate

This certificate is equivalent to the first year of the AAS Degree in Fire Science.

See Allied Health for prior degree sequence.

Certificate available at/via: [Walla Walla]

Certificate Outcomes:

- Demonstrate knowledge of personal protective equipment, search and rescue techniques, health and safety, fire behavior, incident command systems, ladders and ventilation, and hazardous materials.
- Prepare to take the test for Level I firefighter conducted by the State Fire Protection Bureau.
- Understand sprinkler system operation, maintenance, and inspection.
- Apply basic firefighting skills to a wild land/urban interface environment.

YEAR ONE

Quarter One	Credits
CMST& 220, Public Speaking (O)	5
FCA 100, Introduction to Firefighting	1
HO 130, Emergency Medical Technician Program	10
Total Credits	**16**
Quarter Two	**Credits**
FCA 111, Fundamentals of Firefighting	6
FCA 137, Fire Protection Systems	3
FCA 170, Hazmat Operations	3
PSYC& 100, General Psychology (R)	5
Total Credits	**17**
Quarter Three	**Credits**
FCA 115, Advanced Firefighting	6
FCA 177, Wildland Fire Management	4
MATH& 107, Math in Society (M)	5
Total Credits	**15**
Year One Total	**48**
Grand Total	**48**

EPC: 828C

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - ENGL& 102

(M) - MATH& 107

(O) - CMST& 220

(R) - PSYC& 100

Associate in Applied 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. Experienced applicants may be allowed to enter into the second year.

See Allied Health for prior degree sequence.

Degree available at/via: [Walla Walla] [Online (partial)]

Degree Outcomes:

- Perform duties and responsibilities of a pump operator.
- Demonstrate knowledge of personal protective equipment, search and rescue techniques, health and safety, fire behavior, incident command systems, ladders and ventilation, and hazardous materials.
- Predict the behavior and potential harm of material components of a fire.
- Prepare to take the test for Level I firefighter conducted by the State Fire Protection Bureau.
- Describe and use a systematic approach to the examination of a fire scene.
- Understand sprinkler system operation, maintenance, and inspection.
- Describe strategic and tactical considerations associated with building construction types, materials, and components.
- Apply basic firefighting skills to a wild land/urban interface environment.
- Demonstrate the ability to deliver a public safety education lesson to a target audience using a prepared lesson plan and the four step method of instruction.

Transferability: The AAS 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
FYE (if going for the full AA degree)	3
FCA101, Firefighting Academy (Firefighter I)	10
ACOM 102, Communication in the Workplace (O)	(R) or CMST& 2205
Quarter Total Credits:	**18**

Quarter Two	Credits
HO 130, Emergency Medical Technician-Basic (EMT-B) Program	10
FCA 170, Hazardous Materials Operations	3
AENG 100, Writing in the workplace (W) OR ENGL& 101	5
Quarter Total Credits:	**18**

Quarter Three	Credits
FCA 177, Wildland Fire Management	4
FCA 130, Hydraulics	3
FCA 152, Building Construction	3
FCA 135 Fire Service resume building & Interviews	1
AMATH 105, Intro. To Quantitative Problem Solving for the Trades (M) Or MATH& 107	5
Quarter Total Credits:	**16**
1 Year Cert Earned **Year-One Total:**	**52**

Year Two

Quarter One	Credits
FCA 137, Fire Protection Systems	3
CS 110, Introduction to Computers and Applications	5
CHEM& 110, Chemical Concepts with Lab	5
Quarter Total Credits:	**13**

Quarter Two	Credits
FCA 120, Fire Investigation	3
FCA 190, Fire Codes and Inspections	4
PSYC& 100, General Psychology(R)	5
Quarter Total Credits:	**12**

Quarter Three	Credits
FCA 155, Fire Instructor I	3
FCA 160, Fire Tactics I	3
FCA 299, Leadership	3
SOC& 101, Introduction to Sociology	5
Quarter Total Credits:	14
Year-Two Total:	**39**
Degree Total Credits:	**91**

EPC: 828

The following courses meet the related instruction requirements of this degree program (One class per category required):

(M) MATH& 107

(O) CMST& 220

(R) PSYC& 100

(W) ENGL& 101

First Year Experience

https://dept.wwcc.edu/fye/

Roberta Hazeltine *509.527.4495* *roberta.hazeltine@wwcc.edu*

Program available at/via: [Walla Walla]

Department Overview: The mission of FYE is to create an environment that supports a first year students™ academic and social transition into the WWCC community. The program offers students a comprehensive first-year experience that empowers them as engaged learners, integrates them into the college community as meaningful participants in campus life, and facilitates their successful transition into future transfer and career pathways.

Program Level Outcomes:

- Engage effectively with people who hold different perspectives, beliefs, and values.
- Identify and articulate personal challenges to college success.
- Evaluate multiple strategies, services, and resources to develop possible solutions to remove barriers to success.
- Formulate and implement solutions to personal challenges and reflect on the process and results.

Forestry

AAS-T

http://www.wwcc.edu/forestry

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Program available at/via: [Walla Walla]

Department Overview: The Water Technologies & Management program offers four 2+2 degree pathways to Washington State University: Wildlife Ecology & Conservation Science, Environmental & Ecosystem Sciences, Forestry, and Earth Sciences.

In addition the program offers three certificates, and an Associate in Applied Sciences degree (AAS) in Irrigation Management.

Program Level Outcomes:
- An understanding of discipline-specific terminology and methods.
- An ability to use discipline-specific tools and/or techniques correctly.
- Critical thinking skills necessary in water and natural resources, including problem-solving skills and the use of data.
- The ability to research, interpret, and communicate concepts.
- An understanding of the relationships between course concepts and society, including the impact of course-specific technology.

Degrees: Students will earn a two year degree that matriculates into a Bachelor of Science in Earth and Environmental Sciences degree in Forestry in the College of Agricultural, Human and Natural Resources (CAHNRS) and College of Arts and Sciences (CAS) at Washington State University.

Industry Description: Foresters plan, maintain, and preserve forests and forest resources for public and private use. A strong background in the plant sciences with a strong emphasis on spatial analysis, including landscape ecology and GIS, prepares you to work as a professional forester, performing tasks ranging from increasing timber production to restoring wildlife habitat.

Entrance Requirements: Students may begin their student in the fall, winter, spring, or summer quarter. In order to start this program, the placement process must be completed through the Testing Center. Visit wwcc.edu/placement for more information.

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

Degrees

Associate of Applied Science-Transfer Watershed Management-Forestry

Students will earn a two year degree that matriculates into a Bachelor of Science in Earth and Environmental Sciences degree in Forestry in the College of Agricultural, Human and Natural Resources (CAHNRS) and College of Arts and Sciences (CAS) at Washington State University.

Degree available at/via: [Walla Walla]

Year One

Quarter One	Credits
CHEM& 121, Introduction to Chemistry *	5
HUM& 117, Humanities II Medieval World	5
MATH& 141, Precalculus I	5
Total Credits	**15**
Quarter Two	**Credits**
CHEM& 122, Introduction to Organic Chemistry **	5
HIST& 127, World Civilization II	5
MATH& 142, Precalculus II	5
Total Credits	**15**
Quarter Three	**Credits**
AGRI 201, Microeconomics in Agriculture	5
ENGL& 101, English Composition I	5
HIST& 128, World Civilization III	5
Total Credits	**15**
Year One Total	**45**

Year Two

Quarter One	Credits
AGPR 201, Basic Soil Science	5
BIOL& 211, Majors Cellular	5
CMST& 210, Interpersonal Communications	5
ENT 150, Introduction to GIS	3
Total Credits	**18**
Quarter Two	**Credits**
ART& 100, Art Appreciation	5
BIOL& 213, Majors Plant	5
ENT 151, Advanced GIS	3
Total Credits	**13**
Quarter Three	**Credits**
AGRI 222, Agricultural and Water Policy	5
BIOL& 212, Majors Animal	5
MATH& 146, Introduction to Statistics	5
Total Credits	**15**
Year Two Total	**46**
Grand Total	**91**

EPC: 165W

French

http://www.wwcc.edu/french

Program available at/via: [Walla Walla]

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.

Program Level Outcomes:

- Practice French communication skills with emphasis on interpersonal communication.

- Identify and discuss principal areas of difference between American and French cultures.
- Compare and contrast the construction and use of French and English and demonstrate an increased grammatical and syntactic competency in both languages.
- Demonstrate competence in reading, writing, speaking, and listening to French as measured by ACTFL standards and O.P.I. criteria.

Degrees: Students may earn an Associate in Arts AA-DTA degree (90 credits) which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should meet with an academic advisor at WWCC and an advisor at their intended baccalaureate institution to determine an appropriate educational plan. (See AA-DTA in Degrees section of catalog).

Entrance Requirements: There is no prerequisite for FREN& 121. The series of French courses numbered FREN& 122 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.

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.

Gender and Women's Studies

http://www.wwcc.edu/gwst

Program available at/via: [Walla Walla][Clarkston]

Department Overview: Gender and Women's Studies at WWCC provides critical thinking and writing skills and an understanding of the contributions of diverse groups that have traditionally been outside the ideals of dominant American culture, specifically people of various genders, races, body types, income levels, and more. GWST courses are committed to realizing the equality of all people in all areas of life so that our relationships-social, personal, and professional-are exemplified by the freedom and mutuality that can occur only among equals. Courses are interdisciplinary, taught by faculty from Sociology, Psychology, Philosophy, Literature, and the Sciences, and through various lenses, e.g. Feminist, Race Theory, Queer Theory, etc. Because students acquire the ability to think more globally, they are better equipped for employment with the various public, private, government, and non-profit organizations that increasingly seek candidates with a background in GWST studies.

Geography

http://www.wwcc.edu/geography

John Van Slyke *509.527.4493* *john.vanslyke@wwcc.edu*

Program available at/via: [Walla Walla]

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.

Program Level Outcomes:

- An understanding of discipline specific terminology and methods.
- An ability to correctly use discipline specific tools and /or techniques.
- Critical thinking skills necessary in science including appropriate study techniques, problem solving skills and the use of data to assess the validity of claims.
- The ability to research, interpret and communicate concepts obtained from scientific literature.
- An understanding of the relationships between course concepts and society, including the impact of course specific technology.

Degrees: Students may earn an Associate in Arts AA-DTA degree (90 credits) which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should meet with an academic advisor at WWCC and an advisor at their intended baccalaureate institution to determine an appropriate educational plan. (See AA-DTA in Degrees section of catalog).

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.

Geology

AS

http://wwcc.edu/geology

Program available at/via: [Walla Walla]

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.

Program Level Outcomes:

- An understanding of discipline specific terminology and methods.
- An ability to correctly use discipline specific tools and /or techniques.
- Critical thinking skills necessary in science including appropriate study techniques, problem solving skills and the use of data to assess the validity of claims.
- The ability to research, interpret and communicate concepts obtained from scientific literature.
- An understanding of the relationships between course concepts and society, including the impact of course specific technology.

Degrees: Students may earn an Associate in Science Degree - Option I (90 credits) which is designed to prepare students for upper division study in geology. Please consult with an advisor at WWCC and your intended transfer institution to determine an appropriate education plan. (See AS Option I in Degrees section of catalog.)

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.

Degrees

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& 161, General Chemistry I w/Lab	5
Physical Education Elective	1
MATH& 141, Precalculus I or approved elective	5
GEOL& 101, Intro to Physical Geology	5
Total Credits	**16**
Quarter Two	**Credits**
CHEM& 162, General Chemistry II w/Lab	5
MATH& 142, Precalculus II or approved elective	5
ENGL& 101, English Composition I	5
Total Credits	**15**
Quarter Three	**Credits**
CHEM& 163, General Chemistry III w/Lab	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
PHYS 121, General Physics I or PHYS 201, Eng Physics	5
MATH& 151, Calculus I	5
Total Credits	**15**
Quarter Two	**Credits**
PHYS 122, General Physics II or PHYS 202, Eng Physics	5
GEOL& 103, Historical Geology	5
MATH& 152, Calculus II	5
Total Credits	**15**
Quarter Three	**Credits**
Approved Elective	2
Physical Education Elective	1
MATH& 153, Calculus III or MATH 201, Statistics	5
PHYS 123, General Physics III or PHYS 203, Eng Physics	5
Total Credits	**13**
Year Two Total	**43**
Grand Total	**90**

EPC: 004G

High School Completion

http://www.wwcc.edu/highschool

Program available at/via: [Walla Walla]

Department Overview: The High School Completion program provides another alternative for students needing to complete their high school diploma. In order to enroll in the program, students must bring transcripts from all high schools they have attended. Students must complete a placement test prior to meeting with their advisor. There are a variety of options for high school completion. Please contact the Transitional Studies office for more information.

History

http://wwcc.edu/history

James Peitersen	*509.527.4601*	*james.peitersen@wwcc.edu*
John Van Slyke	*509.527.4493*	*john.vanslyke@wwcc.edu*

Program available at/via: [Walla Walla][Clarkston]

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 department at WWCC provides courses to meet general education needs in the first two years 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.

Program Level Outcomes:

- The ability to analyze past and present society, diverse cultures and histories to better understand individual and group behavior and enhance self-awareness.
- An understanding and working knowledge of the theories, concepts, ideas, terminology, and factual evidence in selected fields within the social sciences.

- Sensitivity in understanding diverse views and perspectives.
- An understanding of the historically and socially constructed nature of human differences.

Degrees: Students may earn an Associate in Arts AA-DTA degree (90 credits) which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should meet with an academic advisor at WWCC and an advisor at their intended baccalaureate institution to determine an appropriate educational plan. (See AA-DTA in Degrees section of catalog).

Preparation for Success: History is a study that emphasizes interpreting past human experiences through evidence such as written record, oral histories, and cultural materials. As such it is a useful to take additional courses in the social sciences and humanities. Strong reading, research, and writing skills are required for success in this discipline.

Human & Social Services

AAS-T, AAS

http://www.wwcc.edu/humanservices

Curtis Phillips *509.527.4296* *curtis.phillips@wwcc.edu*

Program available at/via: [Walla Walla]

Department Overview: The Human & Social Services program is designed to provide theoretical and practical knowledge important to be a successful professional in human and social services and to apply those concepts in a variety of settings. Students learn the attributes and needs of diverse populations served by human service organizations and the professional and ethical standards to work with people in need. A number of opportunities are available with community agencies and institutions to gain hands-on experience through field placements. Students may concentrate in specialized areas by choosing specific electives related to their interests.

Program Level Outcomes: Upon successful completion of the Human & Social Services program, the graduate will be able to**:**

- Demonstrate adequate preparation for career development required to be an effective human services professional.
- Recognize and apply ethical and professional standards within the human services field.
- Demonstrate an understanding of human development and how social systems interact in producing human problems.
- Identify the full spectrum of a diverse community and appropriate techniques for working with diverse individuals.
- Identify strategies, interventions, and goal attainment that promote healthy functioning and treatment-rehabilitation congruent with organizations in the human service profession.
- Employ proficient written and verbal communication skills and the appropriate uses of technology.

Degrees: The Associate of Applied Science (AAS) is designed for students seeking immediate employment upon graduation. Emphasis is placed on theoretical and practical knowledge important to be a successful professional in human and social services and to apply those concepts in a variety of settings. Students may concentrate in specialized areas by choosing specific electives related to their interests. An Associate of Applied Science Transfer (AAS-T) degree is available for those planning to pursue a four year degree at a Washington baccalaureate institution.

Industry Description: The Human & Social Services program is designed for students interested in working with people in need. Students will have the opportunity to study human behavior and human development within the context of the psychological, social and biophysical environments in which people live. They will develop skills needed to work with others both one-on-one and in groups. They will develop the value base from which they will practice and learn the ethical standards of the helping professions. They will learn to appreciate and work in a multicultural environment. As a major part of their study, they will also have the opportunity to work directly with people in need by being assigned two field placements with agencies and institutions in the community.

Entrance Requirements: The Associate of Applied Science-Transfer (AAS-T) degree is the best option for students planning to pursue a four year degree at a Washington baccalaureate institution. In order to start this program, the placement process must be completed through the Testing Center. Visit wwcc.edu/placement for more information.

To register for the Human & Social Services degree please complete steps 1 - 4 from the Future Students webpage.

Other Information: Criminal Background Check and Drug Screening

This program does not require background checks or drug screening before entering into the program. However, students might want to familiarize themselves with how future employers might use these procedures. Whether one is hired or promoted for a job may depend on the information revealed in a background check. Job applicants, student practicums, and volunteers may be required to submit to background checks and/or drug screens by federal or state law. For more information, visit privacyrights.org. Contact Dr. Curtis Phillips for questions, email or call 509..527.4296.

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

Degrees

Associate of Applied Science - Transfer Human & Social Services

This is a dual-purpose degree intended to prepare students for employment in Human & Social Services and for transfer to specific baccalaureate degree programs. Please see the degree for articulation details.

Degree available at/via: [Walla Walla] [Online (full)]

Degree Outcomes:

- Demonstrate adequate preparation for career development required to be an effective human services professional.
- Demonstrate an understanding of human development and how social systems interact in producing human problems.
- Identify the full spectrum of a diverse community and appropriate techniques for working with diverse individuals.
- Identify strategies, interventions, and goal attainment that promote healthy functioning and treatment-rehabilitation congruent with organizations in the human service profession.
- Employ proficient written and verbal communication skills and the appropriate uses of technology.

Year One

Quarter One	Credits
Humanities Elective**	5
ENGL& 101, English Composition I	5
HPER 107, Tone Zone I	1
HSS 101, Introduction to Human Services *	5
Total Credits	**16**

Quarter Two	Credits
CMST& 220, Public Speaking (O)	5
Natural Science Elective***	5
HPER 108, Tone Zone II	1
HSS 102, Cultural Diversity and Client Populations *	5
Total Credits	**16**

Quarter Three	Credits
Humanities Elective**	5
HPER 109, Tone Zone III	1
HSS 110, Ethics in Health and Human Services *	5
MATH& 146, Introduction to Statistics	5
Total Credits	**16**
Year One Total	**48**

Year Two

Quarter One	Credits
CJ& 106, Juvenile Justice *	5
HSS Supporting Elective Course****	3 - 10
ENGL& 102, English Composition II	5
Total Credits	**13-20**

Quarter Two	Credits
HSS Supporting Elective Course****	0 - 5
Natural Science Elective***	5
PSYC& 100, General Psychology *	5
SOC 206, Aging and Society *	5
Total Credits	**15-20**

Quarter Three	Credits
HSS Supporting Elective Course****	0 - 5
Humanities Elective**	5
Natural Science Elective***	5
HSS 103, Applied Skills for Human Services *	5
Total Credits	**15-20**
Year Two Total	**43-60**
Grand Total	**91-108**

EPC: 422T

** Students must earn a C- or higher in this course.*

REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.

*** Humanities Electives (15 credits) Select from three different subject areas. One course must be from English Literature: ART& 100 Art Appreciation ENGL& 111 Intro to Literature ENGL 149 Classic Children's Literature GWST 124 Women Artists in History GWST 220 Gender and Society HUM 107 Gender Perceptions HUM 110 Four Perspectives PHIL& 115 Critical Thinking PHIL 152 Social and Political Philosophy SPAN& 121 Spanish I*

**** Natural Science Electives (15 credits) Select one course with a lab and two from different subject areas. BIOL& 100 Survey of Biology BIOL& 160 General Biology w/Lab BIOL& 170 Human Biology CHEM& 105 Chemical Concepts CHEM& 110 Chemical Concepts w/Lab GEOG 105 Physical Geography GEOL& 101 Intro to Physical Geology NUTR& 101 Nutrition OCEA 101 Intro to Oceanography PHYS& 110 Physics for Non-Science Majors*

***** HSS Supporting Electives Select a minimum of 5 but up to 20 credits of supporting elective credits: HSS 022 Mental First Aid - 0.8 credits HSS 141 Field Experience I - 5 credits HSS 241 Field Experience II - 5 credits HSS 201 Case Management - 5 credits HSS 202 Co-occurring Diseases - 5 credits HO 110 HIV/AIDS Education - 0.7 credits HO 142-148 Patient Navigation - 7 credits HO 169 Suicide Prevention Training - .6 credits IFA 022 AHA Heartsaver First Aid - .4 credits SPAN& 122 Spanish II - 5 credits SPAN& 123 Spanish III - 5 credits*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (O) - CMST& 220

Associate of Applied Science Degree in Human & Social Services

Graduates are prepared with important theoretical and practical knowledge for immediate employment in a variety of settings, available upon completion of the two year program of study.

Degree available at/via: [Walla Walla] [Online (partial)]

Degree Outcomes:

- Demonstrate adequate preparation for career development required to be an effective human services professional.
- Recognize and apply ethical and professional standards within the human services field.
- Demonstrate an understanding of human development and how social systems interact in producing human problems.
- Identify the full spectrum of a diverse community and appropriate techniques for working with diverse individuals.
- Identify strategies, interventions, and goal attainment that promote healthy functioning and treatment-rehabilitation congruent with organizations in the human service profession.
- Employ proficient written and verbal communication skills and the appropriate uses of technology.

Year One

Quarter One	Credits
AENG 100, Writing in the Workplace (W)	5
HSS Supporting Elective Course***	5
HSS 101, Introduction to Human Services *	5
Total Credits	**15**

Quarter Two	Credits
CMST& 220, Public Speaking (O)	5
Humanities Elective**	5
HSS 102, Cultural Diversity and Client Populations *	5
IFA 022, AHA Heartsaver First Aid/CPR	.4
Total Credits	**15.4**

Quarter Three	Credits
HSS Supporting Elective Course***	5
HSS 022, Mental Health First Aid	.8
HSS 110, Ethics in Health and Human Services *	5
HSS 141, Field Experience I *	5
Total Credits	**15.8**
Year One Total	**46.2**

Year Two

Quarter One	Credits
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
CJ& 106, Juvenile Justice *	5
HSS Supporting Elective Course***	5 - 10
Total Credits	**15-20**

Quarter Two	Credits
HSS Supporting Elective Course***	5 - 10
PSYC& 100, General Psychology (R)*	5
SOC 206, Aging and Society *	5
Total Credits	**15-20**

Quarter Three	Credits
HSS Supporting Elective Course***	5 - 10
HSS 103, Applied Skills for Human Services *	5
HSS 241, Field Experience II *	5
Total Credits	**15-20**
Year Two Total	**45-60**
Grand Total	**91.2-106.2**

EPC: 422

** Students must earn a C- or higher in this course.*

REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.

*** Humanities Elective (5 credits): Select one course or one course from the list of approved Humanities [H] Fine Arts [HP] courses: ART& 100 Art Appreciation ENGL& 111 Intro to Literature GWST 124 Women Artists in History GWST 200 Introduction to Gender and Women's Studies HUM 107 Gender Perceptions in American Film HUM 110 Four Perspectives PHIL& 115 Critical Thinking PHIL 152 Social and Political Philosophy SPAN& 121 Spanish I*

**** With the assistance of an adviser students will select a minimum of 20 credits but up to 35 credits in supporting elective courses. Refer to the complete list of supporting elective courses below: BIOL& 100 Survey of Biology-5 credits BIOL& 175 Human Biology-5 credits BUS 157 Human Relations in Business-5 credits CHEM& 105 Chemical Concepts-5 credits CJ& 101 Intro to Criminal Justice-5 credits CJ 105 Intro to Corrections-5 credits CJ& 112 Criminology-5 credits CS 100 Intro to Microcomputers - 5 credits ECE 225 Children at Risk-3 credits ECED& 107 Health/Safety/Nutrition-5 credits EDUC& 115 Child Development-5 credits EDUC& 130 Guiding Behavior-3 credits EDUC& 136 School Age Care-3 credits EDUC& 150 Child/Family/Community-3 credits EDUC& 203 Exceptional Child-3 credits HO 142-148 Patient Navigation-7 credits HO 110 HIV/AIDS Education-.7 credits HO 169 Suicide Prevention Training-.6 credits HPER 107, 108, 109 Tone Zone I-III - 1-3 credits HPER 144, 147, 148 Walking I-III - 1-3 credits HPER 264 Stress Management-3 credits HPER 274 Personal Care and Comm Health-5 credits HSS 201 Case Management-5 credits HSS 202 Co-occurring Disorders-5 credits NUTR& 101 Nutrition-5 credits PSYC 160 Psychology of Criminal Behavior-5 credits PSYC&180 Human Sexuality-5 credits PSYC& 200 Lifespan Psychology-5 credits PSYC 205 Social Psychology-5 credits PSYC& 220 Abnormal Psychology-5 credits SOC& 101 Introduction to Sociology-5 credits SOC 204 Drugs and Society-5 credits SOC 205 Racial and Ethnic Relations-5 credits SPAN& 122 Spanish II-5 credits SPAN& 123 Spanish III-5 credits*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101, ENGL& 102

(M) - AMATH 105, BUS 112, MATH& 107, MATH& 146

(O) - CMST 102, CMST 201, CMST& 220

(R) - PSYC& 100

Humanities

http://wwcc.edu/humanities

Jesse Burgess *509.527.1869* *jesse.burgess@wwcc.edu*
James Bower- Clk *509.758.1771* *james.bower@wwcc.edu*

Program available at/via: [Walla Walla][Clarkston]

Department Overview: Humanities courses (those with a HUM designation) focus on a blend of topics in art, literature, philosophy, history, religion, music, theatre, film, and architecture. Segments include 1) The Classical, 2) The Medieval and Renaissance, and 3) The Modern. These courses prepare students for success on the world stage by exploring the diversity and the influences of these historical moments on the values of the western world and especially of modern Americans.

Program Level Outcomes:

- Critique culturally diverse works in art, literature, music, and architecture.
- Identify the major characteristics of the era and connect them to western culture today.
- Competently employ creativity, discipline, and technique in the production of assigned class projects.
- Analyze these eras critically by presenting opinions and responses to reading/viewing through use of textual evidence and other rhetorical devices.

Degrees: Students may earn an Associate in Arts AA-DTA degree (90 credits) which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should meet with an academic advisor at WWCC and an advisor at their intended baccalaureate institution to determine an appropriate educational plan. (See AA-DTA in Degrees section of catalog).

Industrial First Aid

http://wwcc.edu/alliedhealth

Angelica Can *509.527.4589* *angelica.can@wwcc.edu*

Department Overview: The purpose of Allied Health & 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: Allied Health & Safety Education offers First Aid classes to the general public, healthcare providers and local agencies, and to our students. WWCC Allied Health is affiliated with the American Heart Association and offers AHA courses in Basic Life Support and Heartsaver First Aid. Students may enroll in our scheduled classes each quarter and local businesses or agencies wishing to train staff may arrange for CPR classes on a contract basis. Please contact Allied Health at 509.-527-4589 for more information.

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 healthcare 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.

Integrated Agricultural Systems

AAS

http://www.wwcc.edu/precisionagriculture

Erin Anders *509.527.4232* *erin.anders@wwcc.edu*

Program available at/via: [Walla Walla]

Department Overview: The Agriculture program offers several degree tracks for students which include Integrated Agricultural Systems, Ag Business, Animal Science, and Plant and Soil Science. Certificate, Associate in Applied Sciences degrees (AAS) and transfer options are available.

Integrated Agricultural Systems is the cutting edge of agriculture technology and provides skills that workers in this industry need. Development of the program provides for industry workforce needs while supporting positive economic impact to the region and state of Washington. The targeted industry of agriculture, and emerging technological workforce needs, are considered critical to rural economic

development as well as in meeting the health and economic needs of citizens in southeastern Washington.

Program Level Outcomes:

- Provide students with the highest level of instruction by offering the latest concepts in Integrated Agricultural Systems.
- To attract, retain, and graduate competent students into the Integrated Agricultural Systems industry.
- Keep program on "cutting edge" of agriculture by involving industry in curriculum development and verification of student learning outcomes.
- Articulate the Integrated Agricultural Systems program horizontally with other related WWCC programs, and vertically, with regional high schools and universities.
- Educate and graduate students who possess the knowledge and skills to participate in the agriculture industry with confidence, or continue their education at the university level with the same confidence.

Degrees: Associate in Applied Sciences Degree (AAS) in Integrated Agricultural Systems is a two-year degree program that prepares students for the precision ag industry.

A Integrated Agricultural Systems Certificate is also available.

Industry Description: Integrated Agricultural Systems is the cutting edge of agriculture technology and provides skills that workers in this industry need. Integrated Agricultural Systems provides industry workforce needs while supporting positive economic impact to the region and State of Washington. The targeted industry of agriculture, and emerging technological workforce needs, are considered critical to rural economic development as well as in meeting the health and economic needs of citizens in southeastern Washington.

Entrance Requirements: Students may enter the program fall, winter, spring or summer quarter. In order to start this program, the placement process must be completed through the Testing Center. Visit wwcc.edu/placement for more information.

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

Degrees

Associate in Applied Sciences Degree in Integrated Agricultural Systems

This technical degree prepares the student for a career in the precision agriculture industry.

Degree available at/via: [Walla Walla]

Degree Outcomes:

- Employ current technology and knowledge of agricultural system operations in the agriculture workforce.
- Operate and/or implement GPS guided equipment in an effective and safe manner to increase land productivity.
- Collect and analyze data to make management decisions using Geographic Information Systems (GIS).
- Operate, manipulate, and troubleshoot a variable rate center-pivot irrigation system.
- Summarize possible efficiencies, cost reductions, and environmental improvements using variable rate chemical and irrigation application equipment and select the best option using specified operational criteria.

Transferability: The AAS 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: Certificate can by earned by completing these courses or their alternates: AGRI 108, EST 132, OCSUP 107, AGPR 135, EST 159, AGPR 170, AGRI 102, ENT 150, ENGL 097, ENT 151, ENT 161, ENT 152, AGPR 254, and AGRI 103. Total 60 credits.

YEAR ONE

Quarter One	Credits
AGPR 113, Cultivated Plants	5
AGPR 120, Agricultural Chemistry **	5
WTM 112, Irrigation Principles	5
Total Credits	**15**
Quarter Two	**Credits**
AGPR 140, Agriculture Safety and Pesticides	5
AGRI 221, Introduction to Food and Agricultural Markets	5
CMST& 210, Interpersonal Communications (O)	5
ENGL& 101, English Composition I (W)	5
IFA 022, AHA Heartsaver First Aid/CPR	.4
Total Credits	**20.4**
Quarter Three	**Credits**
AGPR 114, Plant Physiology	5
AGPR 224, Pasture and Range Management ***	5
Elective****	5
Total Credits	**15**
Year One Total	**50.4**

YEAR TWO

Quarter One	Credits
AGPR 201, Basic Soil Science	5
BIOL 130, General Ecology	5
ENT 150, Introduction to GIS	3
GEOG 212, Intro to Climate w/Lab	5
Total Credits	**18**
Quarter Two	**Credits**
AGPR 202, Soils Fertility and Management	5
AGPR 230, Plant Diseases and Insects	5
ENT 151, Advanced GIS	3
EST 202, Bio-Chemical Conversion	5
Total Credits	**18**
Quarter Three	**Credits**
AGRI 222, Agricultural and Water Policy	5
Integrated Agricultural Systems Elective*****	2
ENT 152, Practical Agricultural Applications of GIS	3
MATH& 146, Introduction to Statistics (M)	5
Total Credits	**15**
Year Two Total	**51**
Grand Total	**101.4**

EPC: 125A

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** AGPR 120 can be substituted with WTM 190 (spring quarter).*

**** AGPR 224 can be substituted with AGRP 110 or 112.*

***** Approved electives can be any AGPR,AGRI,WTM,ENT, or E&V.*

****** Approved Elective Options: WTM 220, AGPR 197, and AGPR 297.The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - ENGL& 101*

(M) - MATH& 141, MATH& 146

(O) - CMST& 210

Intensive English Language Program

https://dept.wwcc.edu/ielp/

Kendra Coffeen *509.527.4232* *kendra.coffeen@wwcc.edu*

Program available at/via: [Walla Walla]

Department Overview: Walla Walla Community Colleges Intensive English Language Program (IELP) supports international students who are preparing to study in a U.S. college/university or assists them in reaching their own personal or career goals. IELP offers a six-level program, from beginning to advanced. Each level consists of listening/speaking, writing/grammar, reading, and eLearning courses that are designed to improve academic English skills. Our classes are small and interactive, and instructors are highly qualified with degrees specific to English language instruction and experience teaching international students. Most of our students who complete our Intensive English Language Program enroll in the 2 + 2 Transfer Program and then transfer to universities across the United States.

Irrigation Business Management

CERT, AAS

https://dept.wwcc.edu/irrigation/

David Stockdale *509.524.5193* *david.stockdale@wwcc.edu*

Program available at/via: [Walla Walla][Online (full)]

Department Overview: Irrigation Business Management provides practical learning experience in commercial and residential irrigation. The study of irrigation principles and practices, pumps, design, troubleshooting, and installation prepares students to work in or manage commercial or residential irrigation businesses. Graduates of the Irrigation Business Management program are prepared to design, sell, install, operate, maintain, manage, and/or service turf and landscape irrigation systems, plus have the business and marketing skills to own or manage those businesses. All of the courses required for the degree can be taken online. The curriculum is reviewed annually by an advisory board composed of local and regional industry members.

In addition, the Water Technologies & Management program offers four 2+2 degree pathways to Washington State University in Wildlife Ecology & Conservations Science, Environmental & Ecosystem Science, Forestry, and Earth Sciences.

Program Level Outcomes:

- An understanding of discipline-specific terminology and methods.
- An ability to use discipline-specific tools and/or techniques correctly.
- Critical thinking skills necessary in water and natural resources, including problem solving skills and the use of data.
- The ability to research, interpret, and communicate concepts.
- An understanding of the relationships between course concepts and society, including the impact of course-specific technology.

Degrees: Students may earn an Associate in Applied Sciences Degree (AAS) in Irrigation Business Management upon completion of the two-year program of study. A one year Commercial and Residential Irrigation Certificate is also available.

Industry Description: The irrigation industry is experiencing a period of rapid technological advancement in labor saving and water conserving irrigation systems. Highly skilled irrigation technicians are required to design, install, operate and maintain these new products and grow and manage the companies that provide these services. Irrigation technicians and business managers are in high demand in the commercial and residential irrigation industries.

Entrance Requirements: Although students pursuing the AAS degree or Certificate may begin their study in fall, winter, or spring quarter, several courses are in sequence and only offered once each year so it is preferable to start in fall quarter. In order to start the degree program, the placement process must be completed through the Testing Center. Visit wwcc.edu/placement for more information.

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

Degrees and Certificates

Commercial & Residential Irrigation Certificate

Certificate available at/via: [Walla Walla]

Certificate Outcomes:

- Distinguish between types of irrigation equipment and their applications.
- Install properly designed lawn systems.
- Identify mechanical components of valves, center pivots and pumps.
- Generate IRRICAD and Eagle Point designs.
- Design basic drip systems.
- Analyze irrigation pumps and controls in relation to a complete irrigation system.
- Perform soil moisture measurements and water scheduling.
- Assess and design fish screens.
- Develop an understanding of water related cultural perspectives, views and opinions.
- Understand watershed processes and how they relate to the natural environment.
- Gain insight into western water law and policies which affect the use and non-use of water.
- Develop an awareness and understanding of fundamental elements of leadership, interpersonal communication, teamwork and collaborative problem solving.

Year One

Quarter One	Credits
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
CS 110, Introduction to Computers and Applications **	5
WTM 112, Irrigation Principles	5
Total Credits	**15**

Quarter Two	Credits
ACOM 102, Communication in the Workplace (O)	5
AGPR 201, Basic Soil Science	5
WTM 110, Irrigation Design and Components	5
WTM 221, Pump Applications	2
Total Credits	**17**

Quarter Three	Credits
AENG 100, Writing in the Workplace (W)	5
WTM 197, Design Project	2
WTM 220, Drip Irrigation	2
WTM 225, Irrigation Controls	5
Total Credits	**14**
Year One Total	**46**
Grand Total	**46**

EPC: 125F

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** Can be substituted with CS 100.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100

(M) - AMATH 105, BUS 112

(O) - ACOM 102

Associate in Applied Sciences Degree in Irrigation Business 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.

Degree available at/via: [Walla Walla] [Online (partial)]

Degree Outcomes:

- Distinguish between types of irrigation equipment and their applications.
- Install properly designed lawn systems.
- Identify mechanical components of valves, center pivots and pumps.
- Generate IRRICAD and Eagle Point designs.
- Design basic drip systems.
- Analyze irrigation pumps and controls in relation to a complete irrigation system.
- Perform soil moisture measurements and water scheduling.
- Assess and design fish screens.
- Develop an understanding of water related cultural perspectives, views and opinions.
- Understand watershed processes and how they relate to the natural environment.
- Gain insight into western water law and policies which affect the use and non-use of water.
- Develop an awareness and understanding of fundamental elements of leadership, interpersonal communication, teamwork and collaborative problem solving.

Transferability: The AAS 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
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
CS 110, Introduction to Computers and Applications **	5
WTM 112, Irrigation Principles	5
Total Credits	**15**

Quarter Two	Credits
ACOM 102, Communication in the Workplace (O)	5
AGPR 201, Basic Soil Science	5
WTM 110, Irrigation Design and Components	5
WTM 221, Pump Applications	2
Total Credits	**17**

Quarter Three	Credits
AENG 100, Writing in the Workplace (W)	5
WTM 197, Design Project	2
WTM 220, Drip Irrigation	2
WTM 225, Irrigation Controls	5
Total Credits	**14**
Year One Total	**46**

Year Two

Quarter One	Credits
AGPR 113, Cultivated Plants	5
BUS 194, Small Business Management	5
BUS 210, Principles of Marketing	5
ENT 112, Blueprint Reading	2
Total Credits	**17**

Quarter Two	Credits
AGPR 140, Agriculture Safety and Pesticides	5
ENT 121, 2-D Computer Aided Drafting and Design	3
TURF 215, Turf Diseases and Insects	5
Total Credits	**13**

Quarter Three	Credits
ACCT 115, Quickbooks ***	5
EMRK 215, eMarketing ***	5
WTM 297, Special Project	8
Total Credits	**18**
Year Two Total	**48**
Grand Total	**94**

EPC: 125B

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** Can be substituted for CS 100.*

**** Need to take any two of the following: EMRK 215, ACCT 115, or AGPR 202.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100

(M) - AMATH 105, BUS 112

(O) - ACOM 102

John Deere Technology

AAS

http://wwcc.edu/johndeere

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Program available at/via: [Walla Walla]

Department Overview: The John Deere Tech 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.

Program Level Outcomes:

- 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 Sciences Degree in John Deere Technology upon completion of the seven-quarter program of study.

Industry Description: The John Deere Company is a worldwide leader in machinery manufacturing. 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 winter quarter or fall quarter 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. In order to start this program, the placement process including a mechanical reasoning test must be completed through the Testing Center. Visit wwcc.edu/placement for more information.

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

Degrees

Associate in Applied 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.

Degree available at/via: [Walla Walla]

Degree Outcomes:

- Use Service Advisor electronic parts and technical manuals.
- Perform basic engine diagnostic procedure and tune up.
- Diagnose electrical problems.
- Diagnose and safely repair air conditioning systems.
- Repair and adjust John Deere fuel systems.
- Rebuild John Deere gas and diesel engines.
- Make proper ballasting adjustments to a tractor depending on type of implement and field.
- Repair various hydraulic components by using a technical manual.
- Disassemble, assemble, and test all types of John Deere agricultural power train components.
- Build, repair, and diagnose circuits in each application.
- Troubleshoot row crop planters, grain drill planters, and monitoring systems.
- Adjust various types of harvesting equipment for maximum productivity.
- Repair various hydraulic controlled transmissions, hydraulic valves, and controllers.

Transferability: The AAS 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
AENG 100, Writing in the Workplace (W)	5
AMATH 106, Quantitative Problem Solving for the Trades I (M)	5
JD 102, Forklift Safety Training and Certification	1
WELD 141, Welding Basics	4
Total Credits	**15**

Quarter Two	Credits
IFA 022, AHA Heartsaver First Aid/CPR	.4
JD 101, John Deere Fundamentals and Orientation	3
JD 105, John Deere Hydraulics	8
JD 115, John Deere Electrical	8
JD 139, Agriculture Safety	3
Total Credits	**22.4**

Quarter Three	Credits
JD 190, Internship Work Experience I	6
Total Credits	**6**

Quarter Four	Credits
JD 120, John Deere Heating and Air Conditioning	4
JD 125, John Deere Fuel and Emissions Systems	4
JD 131, Engine Testing, Repair, and Performance	10
Total Credits	**18**
Year One Total	**61.4**

Year Two

Quarter One	Credits
JD 191, Internship Work Experience II	6
Total Credits	**6**

Quarter Two	Credits
ACOM 102, Communication in the Workplace (O)**	5
JD 210, John Deere Power Trains	10
JD 221, Ag Management Solutions	4
JD 225, John Deere Planting Equipment	1
Total Credits	**20**

Quarter Three	Credits
JD 290, Internship Work Experience III	6
Total Credits	**6**

Quarter Four	Credits
JD 230, John Deere Harvesting Equipment	4
JD 262, John Deere Advanced Diagnostic & Repair Theory	14
Total Credits	**18**
Year Two Total	**50**
Grand Total	**111.4**

EPC: 125

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

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

(W) - AENG 100, BUS 137, ENGL& 101

(M) - AMATH 106, BUS 112

(O) - ACOM 102, CMST 201, CMST& 210

(R) - JD 192

Marketing and Design

AAS

https://dept.wwcc.edu/marketing

Program available at/via: [Walla Walla]

Department Overview: Desire an engaging career in creativity using business and computer skills? Sign up for Marketing & Design! Learn the fine art of persuasion. Design and code interactive web sites. Shoot video. Capture audio. Brand your product, then sell it. WWCC takes you from concept to completion.

Degrees

Associate in Applied Sciences Degree in Business Marketing

This technical degree prepares the student for entry-level employment in the fields of marketing and digital design for the web.

Degree available at/via: [Walla Walla] [Online (partial)]

Transferability: The AAS Degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private universities. Most credits are transferable into Bachelor's of Applied Science Degree programs at community colleges in Washington.

Year One

Quarter One	Credits
ACOM 102, Communication in the Workplace (O)	5
BUS& 101, Introduction to Business	5
CS 110, Introduction to Computers and Applications	5
Total Credits	**15**

Quarter Two	Credits
AENG 100, Writing in the Workplace (W)	5
BUS 250, Creativity & Design Thinking	5
EMRK 230, Audio & Video Production	5
EMRK 252, User Experience (UX)	5
Total Credits	**20**

Quarter Three	Credits
BUS 112, Business Mathematics (M)	5
BUS 157, Human Relations in Business (R)	5
EMRK 223, Photoshop	5
Total Credits	**15**
Year One Total	**50**

Year Two

Quarter One	Credits
BUS 210, Principles of Marketing	5
CS 251, HTML/CSS	5
EMRK 221, User Interface Design	5
Total Credits	**15**

Quarter Two	Credits
BUS 102, Sales and Customer Service **	5
EMRK 215, eMarketing	5
EMRK 255, Advertising Design	5
Total Credits	**15**

Quarter Three	Credits
BUS 194, Small Business Management **	5
EMRK 216, E-Commerce	5
EMRK 287, E-Marketing Project	5
Total Credits	**15**
Year Two Total	**45**
Grand Total	**95**

EPC: 524

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** Can substitute BUS 220 Introduction to Finance.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - BUS 112, MATH& 146

(O) - ACOM 102, CMST& 210, CMST& 220

(R) - BUS 157

Mathematics

http://wwcc.edu/math

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Program available at/via: [Walla Walla][Clarkston][Online (partial)]

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. They provide basic instruction for students interested in a broad educational experience.

The general student will find preparatory courses in introductory algebra, intermediate algebra, pre-calculus 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.

Program Level Outcomes:

- The ability to analyze problems to determine what mathematical principles apply.
- Logical reasoning and mathematical principles to solve problems.
- An ability to interpret information and reasoning expressed mathematically (symbols, tables, graphs, formulas, etc.).
- The ability to communicate mathematical information effectively.
- Mathematical skills in critical thinking and reasoning.

Degrees: Students may earn an Associate in Arts degree (90 credits) or an Associate in Math Education (for students planning to teach high school math) which are both designed to prepare students for upper division study in math. Please consult with an advisor at WWCC and your intended transfer institution to determine an appropriate education plan. (See AA-DTA in Degrees section of catalog.)

Entrance Requirements: To determine enrollment level, students may take a placement exam or submit applicable documents as indicated by the Multiple Measures Placement Process found here.

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.

Other Information: The Tutoring and Learning Center is a great place for students to work one-on-one with a tutor to review their math in any course at the College. Students can also work on math, whether or not they need help. It is a comfortable and supportive atmosphere for students to come together and study, in groups or individually.

Music

http://wwcc.edu/music

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Program available at/via: [Walla Walla]

Department Overview: The Music department provides instruction in music appreciation and history, music theory, individual instrumental and vocal instruction, and solo and ensemble instrumental and vocal performance. These courses are designed for students who wish to develop a greater appreciation for music as well as those who plan to pursue a music degree at a four-year institution.

Program Level Outcomes:

- Analyze different types of vocal and instrumental music.
- Apply major terms, vocabulary, methods, concepts, and theories relevant to music.
- Evaluate the cultural and historical significance of music.
- For music majors: o Demonstrate increased vocal and instrument proficiency
- Apply advanced music theory principles

Degrees: Students may earn an Associate in Arts AA-DTA degree (90 credits) which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should meet with an academic advisor at WWCC and an advisor at their intended baccalaureate institution to determine an appropriate educational plan. (See AA-DTA in Degrees section of catalog).

Entrance Requirements: All students are welcome to enroll in music courses. Auditions may be required for some performance ensembles.

Preparation for Success: The WWCC Music department offers a curriculum designed to meet the needs of students interested in majoring in music at a four-year institution, including first and second year music theory, music appreciation and history, individual instrumental and vocal instruction, and solo and ensemble instrumental and vocal performance.

Nail Technology

CERT

https://dept.wwcc.edu/nail/

Program available at/via: [Walla Walla]

Department Overview: Our nail technician course covers the 600 hours of nail care training required by Washington State for licensure. Nail students obtain a thorough knowledge of artificial nail application, removal, repair, manicuring, pedicuring, nail art, safety, and sanitation procedures. Students acquire practical experience on patrons who come regularly for their beauty services. To help achieve greater poise, self-assurance, and confidence, students are instructed by staff members in ethics, motivation, RCW, WAC's, sales, salon business practices, and may participate in salon visits. More detailed course information, including lesson sequence, is available in our school catalog.

Program Level Outcomes:

- To market, recruit, and retain students in the Nail program.
- Involve Nail industry professionals in curriculum development and learning outcomes.
- Provide instruction with current skills (techniques and styles) used in the nail technology profession in order to prepare students for employment.
- Certify the program using industry skill standards.
- Graduate students who demonstrate the knowledge and skills to obtain a nail tech license and succeed in the industry.

Degrees and Certificates

Nail Technology Certificate

This certificate prepares the student for employment in all areas of the nail industry.

YEAR ONE

Quarter Three	Credits
NAIL 111, Principles and Procedures of Nail Technology I	11
NAIL 112, Nail Technology I Practical Application	7
Total Credits	**18**
Quarter Four	**Credits**
NAIL 121, Principles and Procedures of Nail Technology II	11
NAIL 122, Nail Technology II Practical Application	7
Total Credits	**18**
Year One Total	**36**
Grand Total	**36**

EPC: 821

Nursing Assistant

CERT

https://dept.wwcc.edu/nursing-assistant/

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Program available at/via: [Walla Walla][Clarkston]

Department Overview: The Nursing Assistant Program prepares students for a career as a Certified Nursing Assistant. The program curriculum is aligned with and approved by the Washington State Nursing Care Quality Assurance Commission. The Nursing Assistant Program Washington state requirements ensure that the student has the necessary knowledge base and skills to succeed as a Nursing Assistant and complete subsequent state certification exam. The Nursing Assistant Program will combine cognitive learning and practice of basic caregiving skills in classroom and laboratory settings. Clinical training through externships in local long-term care facilities and service agencies will allow students apply skills gained in the classroom and laboratory in actual healthcare settings.

Industry Description: Nursing Assistants are in great demand. They work under the direction and supervision of licensed nursing staff, have a great deal of contact with patients, and provide personal care such as bathing, feeding, and dressing. They also perform support functions such as transporting patients, taking vital signs, making beds, helping patients become ambulatory and answering patient calls. Nursing Assistants are responsible for observing and reporting how patients respond to the care that is being given. Nursing Assistants have far more contact with residents than any other staff, and are expected to develop ongoing relationships with the patients and treat them in a positive, caring way. To be a successful Nursing Assistant, an individual must work in a multidisciplinary team and be able to follow directions. They must also be emotionally stable and have a great deal of patience. The average hourly rate in this region is $13.78/hour.

Degrees and Certificates

Nursing Assistant (NA)

Endorsements are provided in selected Professional-Technical Programs consisting of less than 20 credit hours and are designed to provide basic entry-level skills. The Nursing Assistant program provides training in basic nursing care under state and federal guidelines. Students who successfully complete the program will be eligible to take the Washington State Nursing Assistant Competency Exam. Nursing Assistant students' grades are determined by a total points system for each section of coursework. Seventy-five percent (75%) is required on each section to pass the course, with exception of skills testing, which is graded on a pass/fail system.

Certificate available at/via: [Walla Walla] [Clarkston] [Online (partial)]

Transferability: For those students that elect to continue a program of study, the completed course credits may also be applied toward certificates or degrees in related program areas.

YEAR ONE

Quarter One	Credits
NA 100, Nursing Assistant	8
Total Credits	**8**
Year One Total	**8**
Grand Total	**8**

EPC: 329

Nursing Education

AA-DTA

http://wwcc.edu/nursing

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Program available at/via: [Walla Walla][Clarkston]

Department Overview: The Associate Degree Nursing Program at WWCC is approved by the Washington State Nursing Care Quality Assurance Commission: 310 Israel Rd., Tumwater, WA 98501, phone (360) 236-4700. The Associate Degree Nursing Program is also accredited by the Accreditation Commission for Education in Nursing (ACEN), formerly called the National League for Nursing Accrediting Commission (NLNAC): 3343 Peachtree Road NE, Suite 850, Atlanta, Georgia 30326, phone (404) 975-5000, http://www.acenursing.org.

Program Level Outcomes:

- The program's most recent annual licensure examination pass rate will be at least 80% for all first-time test-takers during the same 12 month period.
- Seventy percent (70%) or more of students will earn an Associate level degree in nursing within three years of enrollment in the first nursing course (150% of the stated nursing program length).
- Graduates will rate their overall program satisfaction >3.5 on a 1-4 point scale.
- Employers of nursing program graduates will rate the overall job preparation of graduates >3.0 on a 1-4 point scale.
- Ninety percent (90%) of the Nursing graduates will be employed in nursing 6-12 months after graduation.
- Thirty percent (30%) of the Nursing graduates will report pursuing education towards a BSN degree at 6-12 months after graduation.

WWCC Nursing Program Outcomes Results

Degrees: Associate in Nursing DTA/MRP (Direct Transfer Agreement/ Major Related Program) Degree.

Graduates who complete the Associate in Nursing DTA/MRP degree are eligible to take the National Council Licensure Examination-Registered Nurse (NCLEX-RN) exam to become licensed as a Registered Nurse. Passing the NCLEX-RN exam and completion of this transfer degree provide the general education and nursing courses for direct transfer with only one additional year of study to complete the Bachelor of Science in Nursing (BSN) degree at public four-year institutions in Washington state. While the agreements with baccalaureate institutions assure the transfer of credit, the admission to a particular university program is not assured. Each institution has separate admission criteria which can be based on grades and other considerations.

Industry Description: According to the 2016-2026 Bureau of Labor Statistics, employment of Registered Nurses (RN) is expected to grow 15%, faster than the average for other occupations. The median pay for an RN in 2018 was $71,730 or $34.48/hour. Retirement of a large number of "baby boomers", chronic disease management, and longer life expectancies are all factors in the ongoing national shortage of nurses. In the future, more focus will be placed on preventive care, patient education, and community management of chronic diseases and nurses are essential in this objective. All associate level RNs are strongly encouraged to pursue further education in nursing to at least the Bachelor of Nursing (BSN) level to provide the most effective evidence-based nursing care in this ever changing healthcare environment.

Degrees

Associate in Nursing DTA/MRP Degree

Graduates who complete the Associate in Nursing DTA/MRP degree are eligible to take the National Council Licensure Examination-Registered Nurse (NCLEX-RN) exam to become licensed as a Registered Nurse. Passing the NCLEX-RN exam and completion of this transfer degree provide the general education and nursing courses for direct transfer with only one additional year of study to complete the Bachelor of Science in Nursing (BSN) degree at four-year institutions in Washington state. While the agreements with baccalaureate institutions assure the transfer of credit, the admission to a particular university program is not assured. Each institution has separate admission criteria which can be based on grades and other considerations.

Degree available at/via: [Walla Walla] [Clarkston]

Degree Outcomes:

- Integrate research/nursing science, current standards of practice, clinical expertise, and patient preferences to formulate sound nursing judgments.
- Plan and provide safe, holistic nursing care that is individualized to address patients' diverse preferences, values and needs, and respects their capacity as a full partner with shared decision making.
- Effectively use interpersonal communication and management/ leadership principles when collaborating with health care team members to promote optimal health outcomes and minimize risk of harm.
- Use technology to manage and communicate information, enhance patient safety, and support decision-making within professional, ethical, and legal standards.
- Continuously improve the quality, value, and safety of patient care and health care systems by using data and improvement methods to implement and evaluate changes.
- Demonstrate professional behaviors that are consistent with moral/ethical and legal principles, that adhere to regulatory guidelines and standard-based care, and which promote the profession of nursing.

Other Information: Students may prepare for admission to Nursing Core Courses by meeting the minimum requirements as outlined in the most recent Nursing Admission Guide posted online on the Nursing Program homepage at http://www.wwcc.edu/nursing. Students are responsible for submitting high school and/or college transcripts to WWCC's Office of Admissions along with a Transcript Evaluation Request form. GPA requirements: 2.0 for all college level classes.

Applicants are strongly encouraged to complete as many of the Nursing Degree Requirement classes as possible prior to the application deadline. These courses provide points towards an applicant's rating score for the competitive admission process. All applicants are required to complete the Test of Essential Skills (TEAS) test prior to application and must meet the nursing assistant state testing or certification requirements prior to admission; please plan accordingly. For a full description of application and admission requirements, please see the Nursing Admission Guide at http://www.wwcc.edu/nursing.

Nursing Degree Requirement Courses
MUST BE COMPLETED PRIOR TO ENTERING NURSING CORE COURSES:

- BIOL& 160, General Biology w/lab, 5 credits
- BIOL& 251, Human A & P I, 5 credits
- BIOL& 252, Human A & P II, 5 credits
- BIOL& 260, Microbiology, 5 credits
- CHEM& 110, Chemical Concepts w/lab, 5 credits
- ENGL& 101, English Composition I, 5 credits
- MATH& 146, Intro to Statistics, 5 credits

(Statistics course number MUST have a MATH prefix)

- NUTR& 101, Nutrition, 5 credits
- PSYC& 100, General Psychology, 5 credits
- PSYC& 200, Lifespan Psychology, 5 credits
- Completion of the ATI TEAS test
- Show evidence of Nursing Assistant Certification or proof of passing the State exam for Nursing Assistants.

MUST BE COMPLETED PRIOR TO THE SECOND YEAR OF NURSING CORE COURSES:

- Communications (from Distribution List), 5 credits
- Humanities (from Distribution List), 5 credits

Humanities must be selected from at least two disciplines from the WWCC Master List of Transfer Courses, no more than 10 credits allowed from any one discipline, no more than 5 credits in foreign language at the 100 level, no more than 5 credits in performance/skills courses are allowed.

NURSING CORE COURSES: Year One

Quarter One	Credits
NURS 100, Fundamentals of Nursing	4
NURS 110, Fundamentals Practicum	4
NURS 140, Ethics and Policy in Healthcare I	1
NURS 150, Psychosocial Issues in Healthcare I and II	2
Total Credits	**11**

Quarter Two	Credits
NURS 101, Beginning Nursing Concepts I	5
NURS 111, Practicum I	4
NURS 151, Psychosocial Issues in Healthcare III	1
Total Credits	**10**

Quarter Three	Credits
NURS 102, Beginning Nursing Concepts II	6
NURS 112, Practicum II	4
NURS 142, Ethics and Policy in Healthcare II	1
Total Credits	**11**
Year One Total	**32**

Year Two

Quarter One	Credits
NURS 200, Advanced Nursing Concepts I	5
NURS 210, Practicum III	6
NURS 240, Ethics and Policy in Healthcare III	1
NURS 250, Psychosocial Issues in Healthcare IV	1
Total Credits	**13**

Quarter Two	Credits
NURS 201, Advanced Nursing Concepts II	5
NURS 211, Practicum IV	6
NURS 241, Ethics and Policy in Healthcare IV	1
NURS 251, Psychosocial Issues in Healthcare V	1
Total Credits	**13**

Quarter Three	Credits
NURS 202, Advanced Nursing Concepts III	7
NURS 212, Practicum V	4
NURS 242, Ethics and Policy in Healthcare V	1
Total Credits	**12**
Year Two Total	**38**
Grand Total	**70**

EPC: RNDT

Nutrition

http://wwcc.edu/nutrition

Lori Loseth- Clk *509.758.1710* *lori.loseth@wwcc.edu*

Program available at/via: [Walla Walla][Clarkston]

Department Overview: Nutrition currently offers a course designed to develop understanding of the importance of the science of nutrition and dietary recommendations to maintenance of a healthy life. Students will learn the principles of nutrition as they apply to macro-nutrients and metabolic pathways. Application of vitamins, minerals, and special nutritional requirements at different stages of the life cycle, as well as current issues in nutrition will be considered.

Program Level Outcomes:

- An understanding of discipline specific terminology and methods.
- An ability to correctly use discipline specific tools and /or techniques.
- Critical thinking skills necessary in science including appropriate study techniques, problem solving skills and the use of data to assess the validity of claims.
- The ability to research, interpret and communicate concepts obtained from scientific literature.
- An understanding of the relationships between course concepts and society, including the impact of course specific technology.

Degrees: Students may earn an Associate in Arts AA-DTA degree (90 credits) which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should meet with an academic advisor at WWCC and an advisor at their intended baccalaureate institution to determine an appropriate educational plan. (See AA-DTA in Degrees section of catalog).

Preparation for Success: Students interested in nutrition or in becoming a registered dietician should take courses in chemistry for health sciences, anatomy and physiology. Additional coursework in general education, humanities and social sciences will be required at the transfer institution. Students need to meet with department advisors at the intended baccalaureate institution to determine appropriate educational plan.

Oceanography

http://www.wwcc.edu/oceanography

Program available at/via: [Walla Walla]

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.

Program Level Outcomes:

- An understanding of discipline-specific terminology and methods.
- An ability to correctly use discipline-specific tools and/or techniques.
- Critical thinking skills necessary in science including appropriate study techniques, problem solving skills and the use of data to assess the validity of claims.
- The ability to research, interpret and communicate concepts obtained from scientific literature.
- An understanding of the relationships between course concepts and society, including the impact of course-specific technology.

Degrees: Students may earn an Associate in Arts AA-DTA degree (90 credits) which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should meet with an academic advisor at WWCC and an advisor at their intended baccalaureate institution to determine an appropriate educational plan. (See AA-DTA in Degrees section of catalog).

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.

Philosophy

http://wwcc.edu/philosophy

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James Bower- Clk	*509.758.1771*	*james.bower@wwcc.edu*

Program available at/via: [Walla Walla][Clarkston]

Department Overview: Philosophy courses ask fundamental questions about how we can improve our critical thinking methods and how we can effectively evaluate the paradigms upon which we build our belief systems. Philosophy courses examine ancient thinkers and their ideas as well as contemporary scholars and their contributions to the discipline.

Program Level Outcomes:

- Examine culturally diverse works in philosophy and apply philosophical concepts to other academic areas of inquiry.
- Construct, formulate, and utilize an appropriate level of creativity, discipline, and technique in the production of assigned work in the humanities.
- Compare and analyze culturally diverse works in literature and philosophy
- Identify and employ terminology commonly used in the humanities.
- Apply ancient ideas to contemporary issues.

Degrees: Students may earn an Associate in Arts AA-DTA degree (90 credits) which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should meet with an academic advisor at WWCC and an advisor at their intended baccalaureate institution to determine an appropriate educational plan. (See AA-DTA in Degrees section of catalog).

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 Bachelor of Arts in Philosophy.

Physical Education and Recreation

http://wwcc.edu/pe

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Program available at/via: [Walla Walla][Clarkston][Online (partial)]

Department Overview: A program designed with activity classes that teach basic rules of play, fitness principles, exercise routines, and assessment tools needed to develop lifelong exercise habits. Lecture classes offer students further exploration in outdoor recreation, diversity issues in the sporting world, personal and community health, stress management, and the prevention and care of athletic injuries.

Program Level Outcomes:

- Practice a variety of strategies and techniques to improve fitness level.
- Recognize basic lifestyle habits associated with lifetime fitness.
- Explore basics of outdoor recreation, diversity issues in the sporting world, personal and community health, stress management, and the prevention and care of athletic injuries.

Degrees: Students may earn an Associate in Arts AA-DTA degree (90 credits) which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should meet with an academic advisor at WWCC and an advisor at their intended baccalaureate institution to determine an appropriate educational plan. (See AA-DTA in Degrees section of catalog).

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.

Physics

AS

http://wwcc.edu/physics

Program available at/via: [Walla Walla]

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 not limited to, the

study of mechanics, gravitation, oscillations, fluids, thermodynamics, waves, optics, electricity, magnetism, relativity, quantum physics, and nuclear physics.

Program Level Outcomes:

- An understanding of discipline specific terminology and methods.
- An ability to correctly use discipline specific tools and /or techniques.
- Critical thinking skills necessary in science including appropriate study techniques, problem solving skills and the use of data to assess the validity of claims.
- The ability to research, interpret and communicate concepts obtained from scientific literature.
- An understanding of the relationships between course concepts and society, including the impact of course specific technology.

Degrees: Students may earn an Associate in Science Degree - Option II (90 credits) which is designed to prepare students for upper division study in physics. Please consult with an advisor at WWCC and your intended transfer institution to determine an appropriate education plan. (See AS Option II in Degrees section of catalog.)

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.

Other Information: Introductory physics courses are offered that fulfill the needs of three different groups of students. All physics courses fulfill the Natural Sciences requirement for graduation with an AA or AS degree.

- Students interested in pursuing a major in physics, engineering, or other physical sciences should enroll in the 3-quarter sequence PHYS& 221, 222, 223, a calculus-based series.
- The other 3-quarter sequence, PHYS& 114, 115, 116, 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.
- 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 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& 161, General Chemistry I w/Lab	5
Physical Education Elective	1
MATH& 141, Precalculus I or approved elective	5
ENGL& 101, English Composition I	5
Total Credits	**16**

Quarter Two	Credits
MATH& 142, Precalculus II or approved elective	5
Science Elective (CHEM& 162, General Chemistry II Recommended)	5
Social Science Elective	5
Total Credits	**15**

Quarter Three	Credits
CS 131, Computer Programming or CS 121, Problem Solving with Programming.	5
Approved Elective.	2
Physical Education Elective	1
Science Elective (CHEM& 163, General Chemistry III Recommended)	5
Total Credits	**13**
Year One Total	**44**

Year Two

Quarter One	Credits
Physical Education Elective	1
Humanities Elective.	5
MATH& 151, Calculus I	5
PHYS 201, Physics for Science and Engineering I	5
Total Credits	**16**

Quarter Two	Credits
Humanities or Social Science Elective	5
MATH& 152, Calculus II.	5
PHYS 202, Physics for Science and Engineering II	5
Total Credits	**15**

Quarter Three	Credits
Approved Elective.	5
MATH& 153, Calculus III or MATH 201, Statistics	5
PHYS 203, Physics for Science and Engineering III.	5
Total Credits	**15**
Year Two Total	**46**
Grand Total	**90**

EPC: 004P

Political Science

http://wwcc.edu/politicalscience

James Peitersen *509.527.4601* *james.peitersen@wwcc.edu*

Program available at/via: [Walla Walla][Online (partial)]

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.

Program Level Outcomes:

- The ability to analyze past and present society, diverse cultures and histories to better understand individual and group behavior and enhance self-awareness.
- An understanding and working knowledge of the theories, concepts, ideas, terminology, and factual evidence in selected

fields within the social sciences.
- Sensitivity in understanding diverse views and perspectives.
- An understanding of the historically and socially constructed nature of human differences.

Degrees: Students may earn an Associate in Arts AA-DTA degree (90 credits) which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should meet with an academic advisor at WWCC and an advisor at their intended baccalaureate institution to determine an appropriate educational plan. (See AA-DTA in Degrees section of catalog).

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.

Precision Machining Technology

Program available at/via: [Clarkston]

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.

Psychology

http://wwcc.edu/psychology

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Devon Gustafson- Clk	*509.758.1773*	*devon.gustafson@wwcc.edu*

Program available at/via: [Walla Walla][Clarkston][Online (partial)]

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.

Program Level Outcomes:

- The ability to analyze past and present society, diverse cultures and histories to better understand individual and group behavior and enhance self-awareness.
- An understanding and working knowledge of the theories, concepts, ideas, terminology, and factual evidence in selected fields within the social sciences.
- Sensitivity in understanding diverse views and perspectives.
- An understanding of the historically and socially constructed nature of human differences.

Degrees: Students may earn an Associate in Arts AA-DTA degree (90 credits) which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should meet with an academic advisor at WWCC and an advisor at their intended baccalaureate institution to determine an appropriate educational plan. (See AA-DTA in Degrees section of catalog).

Preparation for Success: A major in psychology is strengthened by studies in research and statistics, as well as courses in anatomy and physiology.

The following link is a list of recommended courses for a student planning on completing an Associate in Arts degree and majoring in Psychology at a baccalaureate institution.

Preparing for a Major Ready in Psychology

Other Information: Courses in psychology are valuable across a wide range of academic and vocational disciplines and professions. Successful completion of General Psychology (PSYC 100) and Lifespan (PSYC 200) are prerequisites for the Nursing program. Other program and transfer colleges may also require successful completion of a psychology course.

Reading

http://www.wwcc.edu/reading

Karen Kirkwood	*509.524.5143*	*karen.kirkwood@wwcc.edu*

Program available at/via: [Walla Walla][Clarkston]

Department Overview: Reading courses provide students with the opportunity to improve their reading skills. The courses offered are college preparation courses designed to prepare students for academic and occupational success.

The number of quarters required to complete the college preparation coursework is dependent upon the individual's entrance examination scores. A student is typically co-enrolled in an AAS or AA Degree.

Sociology

http://wwcc.edu/sociology

Devon Gustafson- Clk	*509.758.1773*	*devon.gustafson@wwcc.edu*

Program available at/via: [Walla Walla][Clarkston][Online (partial)]

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.

Program Level Outcomes:

- The ability to analyze past and present society, diverse cultures and histories to better understand individual and group behavior

and enhance self-awareness.

- An understanding and working knowledge of the theories, concepts, ideas, terminology, and factual evidence in selected fields within the social sciences.
- Sensitivity in understanding diverse views and perspectives.
- An understanding of the historically and socially constructed nature of human differences.

Degrees: Students may earn an Associate in Arts AA-DTA degree (90 credits) which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should meet with an academic advisor at WWCC and an advisor at their intended baccalaureate institution to determine an appropriate educational plan. (See AA-DTA in Degrees section of catalog).

Preparation for Success: A major in Sociology is strengthened by studies in history, research and statistics.

Spanish

http://wwcc.edu/spanish

Jeffrey Adams *509.527.4644* *jeffrey.adams@wwcc.edu*

Program available at/via: [Walla Walla][Clarkston]

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.

Program Level Outcomes:

- Practice Spanish communication skills with emphasis on interpersonal communication.
- Identify and discuss principal areas of difference between American and Latino cultures.
- Compare and contrast the construction and use of Spanish and English and demonstrate an increased grammatical and syntactic competency in both languages.
- Demonstrate competence in reading, writing, speaking, and listening to Spanish as measured by ACTFL standards and O.P.I. criteria.

Degrees: Students may earn an Associate in Arts AA-DTA degree (90 credits) which is designed for students planning to transfer to a baccalaureate institution with junior standing. Students pursuing this degree should meet with an academic advisor at WWCC and an advisor at their intended baccalaureate institution to determine an appropriate educational plan. (See AA-DTA in Degrees section of catalog).

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.

Turf Management

CERT, AAS

http://wwcc.edu/turfmanagement

Gwen Stahnke *509.527.4225* *gwen.stahnke@wwcc.edu*

Program available at/via: [Online (full)]

Department Overview: Turf Management offers training for a wide variety of industries from golf courses to sports fields to parks departments with a focus on environmental awareness and appreciation. The study of turf management includes: turfgrass application, installation and management; equipment operation and maintenance; and irrigation system installation. Students in this program have the unique opportunity to participate in a work experience in spring and summer quarters of the program providing them relevant hands-on and field experience to prepare for the industry. Many courses are offered via distance delivery and the variety of courses offered provides students the option of a transfer to WSU & OSU four-year Turf Management programs. The Turf Management curriculum is reviewed by an advisory board composed of local and regional industry members.

Program Level Outcomes:

- To provide a variety of courses in order to prepare students' for careers in turf management.
- To provide students with a variety of courses that allow them to transfer to the WSU four year Turf Management Program with academic skills needed to succeed in upper division work.
- Provide relevant training through hands-on and field experience to prepare the students for industry.
- To encourage students to explore and develop critical thinking and creative thinking.
- To help students develop and perfect communication skills.
- To assist students in understanding, and using the concepts of each course.
- To develop increased environmental awareness and appreciation.
- To help students develop and perfect the most efficient use of natural resources.

Degrees: Students may earn an Associate in Applied 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 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. In order to start this program, the placement process must be completed through the Testing Center. Visit wwcc.edu/placement for more information.

Other Information: All courses are offered on campus or through Distance Learning. For more information on Distance Learning please contact the Turf Management program.

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

Degrees and Certificates

Turf Management Certificate

This certificate is equivalent to the first three quarters of the AAS Degree in Turf Management.

Certificate available at/via: [Online (full)]

Certificate Outcomes:

- Operate and maintain a variety of mower units, top dressers, aerification units, trimmers, and miscellaneous turf equipment.
- Calibrate a variety of sprayers.
- Demonstrate proper watering techniques and the ability to assess plant water use.
- Knowledge of the nutritional needs of plants, fertilizer selection, and use.
- Perform various functions related to the care and maintenance of golf courses, including material and equipment selection.
- Demonstrate knowledge of turf grass cultivars and seed selection.
- Demonstrate knowledge of construction methods used for decks, patios and walkways.
- Demonstrate knowledge of tree pruning and tree removal principles and the ability to prune.
- Demonstrate knowledge of safety and first aid of pesticides and proper pesticide handling.

YEAR ONE

Quarter One	Credits
AGPR 113, Cultivated Plants	5
TURF 101, Turf Equipment Operations I	3
WTM 112, Irrigation Principles	5
Total Credits	**13**
Quarter Two	**Credits**
AENG 100, Writing in the Workplace (W)	5
AGPR 140, Agriculture Safety and Pesticides	5
IFA 022, AHA Heartsaver First Aid/CPR	.4
TURF 197, Project Research	1
TURF 215, Turf Diseases and Insects	5
Total Credits	**16.4**
Quarter Three	**Credits**
ACOM 102, Communication in the Workplace (O)	5
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
TURF 122, Turf Maintenance Practices	3
Total Credits	**13**
Year One Total	**42.4**
Grand Total	**42.4**

EPC: 160C

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** Can be substituted with a Business Core Elective: AGRI 201, AGRI 221, AGRI 210, AGRI 211, AGRI 102, AGRI 108, CS 110, BUS& 101, BUS 194.*

**** Approved electives can be any AGPR,AGRI,WTM,ENT, or E&V.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 105, AMATH 106, BUS 112, MATH 201, MATH& 141

(O) - ACOM 102, CMST 201, CMST& 210

(R) - BUS 157, PSYC& 100

Associate of Applied Sciences Degree in Turf Management

This technical degree prepares the student with the practical knowledge and experience necessary to join the turf maintenance industry in a number of entry-level or mid-level positions, and to obtain the technical advantage with which the individual may move quickly to mid-management positions within the industry.

Degree available at/via: [Online (full)]

Degree Outcomes:

- Operate and maintain a variety of mower units, top dressers, aerification units, trimmers, and miscellaneous turf equipment.
- Calibrate a variety of sprayers.
- Demonstrate proper watering techniques and the ability to assess plant water use.
- Knowledge of the nutritional needs of plants, fertilizer selection, and use.
- Perform various functions related to the care and maintenance of golf courses, including material and equipment selection.
- Demonstrate knowledge of turf grass cultivars and seed selection.
- Demonstrate knowledge of construction methods used for decks, patios and walkways.
- Demonstrate knowledge of tree pruning and tree removal principles and the ability to prune.
- Demonstrate knowledge of safety and first aid of pesticides and proper pesticide handling.

Transferability: The AAS 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 113, Cultivated Plants	5
TURF 101, Turf Equipment Operations I	3
WTM 112, Irrigation Principles	5
Total Credits	**13**
Quarter Two	**Credits**
AENG 100, Writing in the Workplace (W)	5
AGPR 140, Agriculture Safety and Pesticides	5
IFA 022, AHA Heartsaver First Aid/CPR	.4
TURF 197, Project Research	1
TURF 215, Turf Diseases and Insects	5
Total Credits	**16.4**
Quarter Three	**Credits**
ACOM 102, Communication in the Workplace (O)	5
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
TURF 122, Turf Maintenance Practices	3
Total Credits	**13**
Year One Total	**42.4**

Year Two

Quarter One	Credits
AGPR 120, Agricultural Chemistry	5
Elective***	5
TURF 201, Turfgrass Cultural Practices	6
TURF 297, Special Projects	2
Total Credits	**18**

Quarter Two	Credits
AGPR 105, Weed Biology and Identification	5
AGPR 201, Basic Soil Science	5
WTM 110, Irrigation Design and Components	5
WTM 221, Pump Applications	2
Total Credits	**17**

Quarter Three	Credits
AGPR 202, Soils Fertility and Management	5
AGRI 211, Small Business Management **	5
WTM 225, Irrigation Controls	5
Total Credits	**15**
Year Two Total	**50**
Grand Total	**92.4**

EPC: 160

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

*** Can be substituted with a Business Core Elective: AGRI 201, AGRI 221, AGRI 210, AGRI 211, AGRI 102, AGRI 108, CS 110, BUS& 101, BUS 194.*

**** Approved electives can be any AGPR,AGRI,WTM,ENT, or E&V.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 105, AMATH 106, BUS 112, MATH 201, MATH& 141

(O) - ACOM 102, CMST 201, CMST& 210

(R) - BUS 157, PSYC& 100

Welding Technology

CERT, AAS

http://wwcc.edu/welding

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Program available at/via: [Walla Walla]

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) S.E.N.S.E. standards, increases the students' understanding of welding and the related science, meets employers' expectations, and increases the students' ability to compete in the employment marketplace. Training includes oxyacetylene cutting and welding, brazing, soldering, SMAW, GMAW, FCAW, GTAW, blueprint/layout standards and methods, welding procedure specifications, testing methods, quality control, metallurgy, and safe work practices. Welder certifications are conducted according to AWS/ASME 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, flux cored, and gas tungsten arc welding. The Welding Technology curriculum is reviewed by an advisory board composed of local and regional industry members.

Program Level Outcomes:

- Assure the Welding program is in full compliance with AWS/WABO standards and the needs of the metals welding industry.
- Upgrade welding curriculum relevance to employer technical needs in the region with assistance from the advisory committee.
- Enhance student enrollment, retention, and completion rates.
- Train students to be employed at an entry level by possessing knowledge, attitudes, skills, and habits required to perform welding operations.

Degrees: Students may earn an Associate in Applied 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 three specific welding courses and related instruction during the first year of instruction in the program.

Industry Description: Welding is a joining process that produces coalescence of metals by heating them to the welding temperature forming a permanent connection. Due to the strength of this connection, 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 to determine specific quarter start in the program. Students may enter the program fall, winter or spring quarter. In order to start this program, the placement process must be completed through the Testing Center. Visit wwcc.edu/placement for more information.

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

Degrees and Certificates

Aluminum Welding Technology Certificate (Clarkston Only)

Certificate available at/via: [Clarkston]

Year One

Quarter One	Credits
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
WELD 151, Shielded Metal Arc Welding I	17
Total Credits	**22**

Quarter Two	Credits
AENG 100, Writing in the Workplace (W)	5
ENT 112, Blueprint Reading	2
WELD 250, Welding Steel/Stainless Steel GMAW/TIG	17
Total Credits	**24**
Quarter Three	**Credits**
ACOM 102, Communication in the Workplace (O)	5
WELD 251, Welding Aluminum *	17
Total Credits	**22**
Year One Total	**68**
Grand Total	**68**

EPC: 814F

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

Prerequisite for WELD 251 is WELD 250 or Instructor permission.

NOTE: Students cannot substitute WELD 250 and 251 to meet WELD degree requirements.

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100

(M) - AMATH 105

(O) - ACOM 102

Welding Technology Certificate

Certificate available at/via: [Walla Walla]

Certificate Outcomes:

- Identify major requirements to safely operate equipment to produce cuts, gouges, grinds and weldments.
- Demonstrate set-up, operation and shut down operations using welding and cutting equipment.
- Demonstrate welding, brazing and cutting techniques using fuel gas and electric arc processes.
- Demonstrate print reading knowledge and experience and perform weldment testing using industry accepted standards and practices.
- Demonstrate manual welding experience using stainless steel and aluminum alloys.
- Demonstrate welding mild steel, stainless steel and aluminum alloys using semi-automatic equipment/procedures.
- Perform welding visual inspection procedure to determine compliance with appropriate codes and standards.

Year One

Quarter One	Credits
ACOM 102, Communication in the Workplace (O)	5
ENT 112, Blueprint Reading	2
WELD 151, Shielded Metal Arc Welding I	17
Total Credits	**24**
Quarter Two	**Credits**
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
WELD 152, Shielded Metal Arc Welding II	17
Total Credits	**22**
Quarter Three	**Credits**
AENG 100, Writing in the Workplace (W)	5
WELD 153, Shielded Metal Arc Welding III	17
Total Credits	**22**
Year One Total	**68**
Grand Total	**68**

EPC: 814C

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 105, AMATH 106, AMATH 107, BUS 112

(O) - ACOM 102, CMST 201, CMST& 210

(R) - BUS 157, PSYC& 100

Associate in Applied 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.

Degree available at/via: [Walla Walla]

Degree Outcomes:

- Identify major requirements to safely operate equipment to produce cuts, gouges, grinds and weldments.
- Demonstrate set-up, operation and shut down operations using welding and cutting equipment.
- Demonstrate welding, brazing and cutting techniques using fuel gas and electric arc processes.
- Demonstrate print reading knowledge and experience and perform weldment testing using industry accepted standards and practices.
- Demonstrate manual welding experience using stainless steel and aluminum alloys.
- Demonstrate welding mild steel, stainless steel and aluminum alloys using semi-automatic equipment/procedures.
- Perform welding visual inspection procedure to determine compliance with appropriate codes and standards.

Transferability: The AAS 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
ACOM 102, Communication in the Workplace (O)	5
ENT 112, Blueprint Reading	2
WELD 151, Shielded Metal Arc Welding I	17
Total Credits	**24**
Quarter Two	**Credits**
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
WELD 152, Shielded Metal Arc Welding II	17
Total Credits	**22**
Quarter Three	**Credits**
AENG 100, Writing in the Workplace (W)	5
WELD 153, Shielded Metal Arc Welding III	17
Total Credits	**22**
Year One Total	**68**

Year Two

Quarter One	Credits
WELD 255, Gas Tungsten Arc Welding	17
Total Credits	**17**

Quarter Two	Credits
WELD 256, Gas Metal Arc Welding	17
Total Credits	**17**

Quarter Three	Credits
WELD 199, Special Topics	1 - 10
WELD 270, Shielded Metal Arc - Pipe	17
Total Credits	**18-27**
Year Two Total	**52-61**
Grand Total	**120-129**

EPC: 814

** REQUIRED: AFYE (3 credits) required to be taken as well. See the WWCC catalog for details.*

The following courses meet the related instruction requirements of this certificate/degree (one course per category required): (W) - AENG 100, ENGL& 101

(M) - AMATH 105, AMATH 106, AMATH 107, BUS 112

(O) - ACOM 102, CMST 201, CMST& 210

(R) - BUS 157, PSYC& 100

Wildlife Ecology & Conservation Science

AAS-T

http://www.wwcc.edu/wtmwe

Melissa Holecek	*509.524.5208*	*melissa.holecek@wwcc.edu*
David Stockdale	*509.524.5193*	*david.stockdale@wwcc.edu*

Program available at/via: [Walla Walla]

Department Overview: The Water Technologies & Management program offers four 2+2 degree pathways to Washington State University: Wildlife Ecology & Conservation Science, Environmental & Ecosystem Sciences, Forestry, and Earth Sciences.

The program also offers three certificates, and an Associate in Applied Sciences degree (AAS) in Irrigation Management.

Program Level Outcomes:

- An understanding of discipline-specific terminology and methods.
- An ability to use discipline-specific tools and/or techniques correctly.
- Critical thinking skills necessary in water and natural resources, including problem solving skills and the use of data.
- The ability to research, interpret, and communicate concepts.
- An understanding of the relationships between course concepts and society, including the impact of course-specific technology.

Degrees: Students will earn a two year degree that matriculates into a Bachelor of Science in Earth and Environmental Sciences degree in Wildlife Ecology & Conservation Science in the College of Agricultural, Human and Natural Resources (CAHNRS) and College of Arts and Sciences (CAS) at Washington State University.

Industry Description: Wildlife ecologists research and implement scientifically sound strategies for the conservation, protection, and sustainable management of wild animals and their habitat. The wildlife ecology and conservation sciences option combines strong science and a broad background in natural resources and the environment to help you fully understand the ecology, habitat, and conservation of wild animals. Students in this program will complete the basic science and related courses needed to transfer to WSU to pursue discipline-specific upper level courses.

Entrance Requirements: Students may begin their study in fall, winter, spring, or summer quarter. A placement test offered by the WWCC Testing Center must be completed prior to starting the program.

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

Degrees

Associate of Applied Science-Transfer Watershed Management - Wildlife Ecology & Conservation Science

Students will earn a two year degree that matriculates into a Bachelor of Science in Earth and Environmental Sciences degree in Wildlife Ecology & Conservation Science in the College of Agricultural, Human and Natural Resources (CAHNRS) and College of Arts and Sciences (CAS) at Washington State University.

Year One

Quarter One	Credits
CHEM& 121, Introduction to Chemistry *	5
HUM& 117, Humanities II Medieval World	5
MATH& 141, Precalculus I	5
Total Credits	**15**

Quarter Two	Credits
ART& 100, Art Appreciation	5
CHEM& 122, Introduction to Organic Chemistry **	5
MATH& 142, Precalculus II	5
Total Credits	**15**

Quarter Three	Credits
AGRI 102, Farm Records and Analysis	5
CHEM& 123, Introduction to Biochemistry ***	5
ENGL& 101, English Composition I	5
Total Credits	**15**
Year One Total	**45**

Year Two

Quarter One	Credits
BIOL& 211, Majors Cellular	5
CMST& 210, Interpersonal Communications	5
ENT 150, Introduction to GIS	3
Total Credits	**13**

Quarter Two	Credits
BIOL& 213, Majors Plant	5
ENT 151, Advanced GIS	3
HIST& 127, World Civilization II	5
MATH& 146, Introduction to Statistics	5
Total Credits	**18**

Quarter Three	Credits
AGRI 222, Agricultural and Water Policy	5
BIOL& 212, Majors Animal	5
HIST& 128, World Civilization III	5
Total Credits	**15**
Year Two Total	**46**
Grand Total	**91**

EPC: 165X

COURSE DESCRIPTIONS

WALLA WALLA COMMUNITY COLLEGE

Shape Your Future

Accounting Technology

ACCT 101 Practical Accounting **5 Credits**
Introduces the use of journals and ledgers for reporting business transactions. Students learn periodic adjustments, closing procedures, and preparation of financial statements. Not recommended for students transferring to four-year baccalaureate degree programs. Most four-year universities do not accept this course for credit towards baccalaureate degree requirements.

ACCT 115 Quickbooks **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: CS 110 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.

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. Formerly ACCT 201, Principles of Accounting.

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. Formerly ACCT 202, Principles of Accounting II.

ACCT& 203 Principles of Accounting III **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. Formerly ACCT 203, Managerial Accounting.

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 student's education and work experience.

Agricultural Systems

SAS 310 Principles of Sustainability **5 Credits**
This course introduces students to the theory, principles, and practices of sustainability. It includes discussions on strategies for overcoming problems in order to establish or maintain ecological and environmental health, create economic welfare, and ensure social justice. Students will examine our relationships to technology, natural resources, natural science, and human development at a local-to-global scale. Instructor Permission Required.

SAS 330 Soil Ecology & Biogeochemistry **5 Credits**
Students will be introduced to the role that soil biological communities play in the physiological processes of the agroecosystem. Specifically, students will examine the influences of agricultural management on soil biological processes that affect agroecosystem health through nutrient and biogeochemical cycling.

SAS 340 Integrated Pest Management **5 Credits**
This course will introduce the theory and application of integrated pest management encompassing an array of production systems to include agronomic crops, pasture, non-cropland, turf grass, aquatic, and urban areas. students will be required to communicate solutions to current pest problems in a varied collection of production areas using the knowledge and principles gained in this course pertaining to ecologic, economic, and social sustainability. Instructor Permission Required.

SAS 350 Agricultural Applications of GIS **5 Credits**
Instruction in advanced topics of GIS focusing on agricultural systems. Emphasis includes geo-spatial analysis, creation and use of geo-databases, geo-referencing, digital elevation models, aerial data, and sing ESRI ArcGIS for Desktop software. Prerequisite ENT 250. Instructor Permission Required.

SAS 360 Agricultural Systems Management **5 Credits**
This course will provide students with an understanding of the essential issues associated with the productivity of current agricultural systems, including areas of land acquisition and tenure; diversification of risk; programs, services, and subsidies; labor rights; as well as personal and community well-being. Students will engage with local subject matter experts to inform the structure of their individual and co-designed preemptive management plans. Instructor Permission Required.

SAS 420 Political Ecology of Agriculture & Natural Resources **5 Credits**
This course will provide an overview of the political, social, economic, regulatory and administrative systems that affect the use, development, and management of water and land resources. Students will be introduced to past, present and future themes that influence natural resources governance including sustainable development, integrated water resource management, water rights, and land management. These themes will be explored at the local, state and national levels to provide students with a broad understanding of water and natural resources governance issues. Instructor Permission Required.

SAS 440 Advanced Cropping Systems I **5 Credits**
Students will apply advanced concepts in agronomic crop production at the local, national, and international scale. Contemporary topics in agriculture will be examined with a focus on social, economic, and ecologic sustainability and production efficiencies. Knowledge from prior coursework will be applied to allow the student to explore multi-faceted solutions to modern challenges in diverse cropping systems. Field trips/site visits will be required. Instructor Permission Required.

SAS 450 Advanced Cropping Systems II **5 Credits**
Students will examine new and emerging concepts in agronomic crop production at the local, national, and international scale. Contemporary topics in agriculture will be examined with a focus on application of ecological concepts and technology applications for monitoring, managing and improving outcomes. Instructor Permission Required.

SAS 470 Food Systems Science **5 Credits**
This course examines and applies the environmental, social, and economic components of sustainable farming systems. It emphasizes principles, concepts, and the techniques of sustainable production and post-harvest handling of crops, food quality and safety, marketing of products, financing and budgeting, labor issues, and sustainable agriculture policy and regulation. Students will research and choose topics for their capstone project. Instructor Permission Required.

SAS 494 Capstone Project Design **6 Credits**
Using various methods of inquiry and application, students will develop, plan, and facilitate their senior project, which will synthesize acquired knowledge and experiences in a cooperative real-life scenario. Projects will be designed to explore a student-identified agricultural system challenge or question. A project proposal will be developed and will include sound justification for the project, approach, and will clearly convey the student's authority as well as competency related to the completion of the project. Students may, with prior approval, work in teams. Projects will be further evaluated, completed and presented in SAS 495. Admission to BAS AG program or Instructor Permission Required.

SAS 495 Capstone Project **1 Credit**
Using their acquired knowledge and experiences, students will analyze and communicate the results and implications of their senior project as developed and conducted previously in SAS 494. Weekly peer-review discussions will be conducted, and final project will be presented orally, written, and visually in a senior project symposium. Prerequisite: SAS 494 (5 credits). Instructor Permission Required.

Agriculture - Ag-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.

AGRI 103 Intro to Precision Ag for Farm Management **5 Credits**
Introduction to precision agriculture application on the farm using industry specific software. Entering records, creating databases and developing field maps will be included as well as gathering and inputting yield and soils data.

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 CS 110.

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 192 Cooperative Seminar **2 Credits**
Students explore issues related to their cooperative work experience focusing on 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.

AGRI 201 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 201 and ECON& 201. Formerly AGRI 202.

AGRI 210 Sales and Customer Service **5 Credits**
Examines concepts of Customer Relations Management (CRM) and customer servicing skills. Topics covered include understanding customer service levels, designing appropriate service delivery methods, evaluating customer satisfaction, creating effective customer experiences, identifying cultural differences, and understanding eCommerce transactional technologies. Emphasizes the importance of trust in customer relationships when partnering to create value, including privacy policies and use of personal data. Student may not earn credit for both BUS 102 and AGRI 210.

AGRI 211 Small Business Management **5 Credits**
Introduction to management theory as applied to small business firms. Course will include role of small business in the economy, forms of business ownership, main causes for business failure and success, and the elements of a business plan.

AGRI 220 Introduction to 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 Introduction to Food and Agricultural Markets **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 and Water Policy [SS] **5 Credits**
This course covers goals, methods, and results of government programs and policies in the agriculture and natural resource industries. This includes the study of international trade policies, domestic farm policies, food safety and quality issues, resource issues and how these affect agribusiness, locally, nationally and internationally. The course will also cover western water policy with an emphasis on Washington State water policy, water rights and how these policies affect natural resources and agribusiness. Recommended: One quarter economics. Students may not earn credit for both AGRI 222 and POLS 222.

Agriculture - Plant and Soil Science

AGPR 100 Introduction to Agriculture and Natural Resource Careers **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 ENGL 097; or permission of the Science Division Chair or designee. Recommended: READ 088 or higher. Student may not earn credit for both AGPR 101 and ENVS& 101.

AGPR 105 Weed Biology and Identification **5 Credits**
Introduction in weed science to provide 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 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 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.

AGPR 113 Cultivated Plants **5 Credits**
Provides a practical understanding of plant anatomy, morphology, and growth of agriculture crops.

AGPR 114 Plant Physiology **5 Credits**
Provides a practical understanding of plant structure, function and physiological processes involved in growth and development.

AGPR 115 Animal Health and Disease **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 Livestock Selection and Carcass Evaluation **5 Credits**
Principles of Livestock and Carcass evaluation for the purposes of selecting meat animals in production scenarios. The basic method and procedure for evaluating carcass characteristics of cattle, hogs, and sheep. Information on carcass quality and yield. The course will also include evaluating live animals before processing, and seeing the carcass of that animal in the cooler. Class material will also cover selection of females for producing meat animals.

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 121 Biomass Feedstock Management **3 Credits**
Learn about growing, harvesting, storage, processing, and utilization of biomass such as: manure, forest slash, food waste, agriculture residues, wood processing residues, and dedicated energy crops (e.g. oilseeds, grasses, hybrid poplar, etc.). Review technologies that can utilize biomass to sequester carbon and generate electricity, heat, transportation fuels, recovered nutrients/soil amendments, reclaimed water, animal feed, bio-chemicals, and other byproducts. Lay the groundwork for soil fertility studies for oilseed crops and field corn amended with biochar, compost, and/or digestate from an anaerobic digester. Recommended for students working towards Biomass Feedstock Management Certificate, Plant and Soil Science, and/or Precision Agriculture degree(s).

AGPR 130 Fundamental Agroecology [NS] **5 Credits**
This lab science course will examine the interactions that govern system production between both the abiotic and biotic factors across scales within the boundaries of the agroecosystem. This course will provide students with an understanding of the fundamental agroecological principles and their application associated with the productivity of agricultural systems, including areas of biodiversity, redundancy, and resiliency. This course is open to both science and non-science majors and fulfills the general education lab science requirements. Recommended Pre-Requisite: ENGL 087

AGPR 135 Mechanization of GIS **3 Credits**
This course is an introduction to the practical applications of Geographic Informational Systems (GIS) and Global Positioning Systems (GPS) in agriculture. Content will include reasoning, methods, and technology used for data collection, and how that data is further applied through integration with mechanized equipment.

AGPR 139 Agriculture Safety **3 Credits**
This course is a synopsis of safety practices and worker protections in the agricultural workplace. Topics will include safety in and around shops, on farm vehicles, using farm equipment, and safe practices around rotational and directional moving equipment. Personal protection equipment, pesticide standards, and MSDS sheets will be included. Safety plans will be analyzed and evaluated for completeness. Safety standards for agriculture identified by the Washington State Administration codes(WAC 296-307)will be covered.

AGPR 140 Agriculture Safety and Pesticides **5 Credits**
This course is a synopsis of safety and worker protection in the agricultural workplace. Topics will include safety in and around shops, on farm vehicles, using farm equipment, and safe practices around rotational and directional moving equipment. Personal protection equipment, pesticide standards, and MSDS sheets will be included. Safety plans will be analyzed and evaluated for completeness. It emphasizes agricultural pesticide uses and applications, chemical safety, and waste hazards associated with pesticides and fertilizer use. This course will prepare the student to become a licensed pesticide applicator with the state of Washington. Safety standards for agriculture identified by the Washington State Administration codes(WAC 296-307) will be covered.

AGPR 170 Precision Equipment Installation and Troubleshooting **4 Credits**
This course is an introduction to precision ag field equipment. Tracking, auto steering, and precision spraying equipment will be installed, calibrated, troubleshot and repaired. Hands on labs will have students in the field operating these types of equipment. Data acquisition, data analysis and compilation will also be covered.

AGPR 197 Project Design **1 Credit**
Students will plan and propose a workplace or research project and explore workplace leadership skills.

AGPR 199 Special Topics **1 Credit**
Gain exposure to and critically analyze agricultural enterprises. 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. Lab work required.

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 224 Pasture and Range Management **5 Credits**
A study of the proper use and management of forage producing lands using grazing animals as a method to harvest and utilize this resource. This class will also focus on the economics of grazing livestock and the environmental sustainability issue surrounding the topic.

AGPR 230 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. Formerly AGRI 215.

AGPR 254 Robotics and Drone Technologies **5 Credits**
This course is an introduction to robotics and drone technologies in regards to precision agricultural applications. Autonomous and non-autonomous robots will be discussed. The laws of physics will be applied to the use of drones and how those laws affect the flying and/or driving of these apparatus. Wheeled and flying drones will be assembled, programmed and operated. Drones will also be programmed to perform duties using inputs and outputs from a multitude of different types of sensors. Prerequisite: CS 121 or instructor permission.

AGPR 274 Beef Cattle Production **5 Credits**
Study of the economics and management strategies for raising and marketing the various types and classes of beef cattle.

AGPR 292 Leadership **2 Credits**
Explore issues related to effective workplace relationships and applying leadership skills to promote personal development. Students will also be required to participate in the activities of the Ag Technology club.

AGPR 297 Special Project **1 Credit**
Students will prepare and defend a presentation on a previously approved workplace or research project. Prerequisite: AGPR 197 or WTM 197 or TURF 197.

Allied Health & Safety Education

HO 101 Survey of Healthcare Careers **2 Credits**
This course is both an exploration of potential healthcare-related fields of study and how to succeed in preparing for specific healthcare professional programs. A review of educational requirements and availability of programs leading to starting a career as a healthcare professional will be conducted. Profiles of successful health science students will be examined, with a focus on communication, problem solving and survival skills in training and in the workforce.

HO 104 Ongoing Training & Evaluation Program (OTEP) .1 - 1 Credit
Satisfies the continuing education requirement for EMTs and EMRs 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 or EMR 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 qualify to apply for WA DOH MA-Phlebotomist (MA-P) certification and will be eligible to sit for examination for credentialing certification with the American Society of Clinical Pathologists. Recommended: READ 088.

HO 110 HIV/AIDS Education **.7 Credit**
HIV/AIDS Education provides the healthcare 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 issues, and psychosocial issues. Students completing this class will receive a certificate documenting the mandatory training.

HO 113 Home Care Aide **6 Credits**
Students in this program will learn to provide direct personal care to residents in adult family homes, assisted living facilities, home care agencies, and supported living settings that are licensed by, or contracted by, the State. Students who successfully complete the classroom and laboratory requirements will be eligible to take the Washington State Home Care Aide Certification Exam and can receive the following endorsements: Home Care Aid 80-hour Certification of Completion, Healthcare Provider CPR-BLS, HIV/AIDS 4-hour Certification, Nurse Delegation Core Certification and Nurse Delegation Diabetes Certification. This course meets the standards of the State of Washington Department of Health. Required: Acceptance into the program.

HO 120 Emergency Medical Responder (EMR) **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. Emergency Medical Responders are initial caregivers in an emergency situation and have knowledge and skill level above basic first aid and below the Emergency Medical Technician. Prerequisite: Instructor permission.

HO 130 Emergency Medical Technician 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 curriculum with the addition of Washington State objectives as required by the Washington State Department of Health, Division of Emergency Medical and Trauma Services. Students completing this course may participate in the National Registry of Emergency Medical Technicians (NREMT) EMT examination and upon affiliation with a WA State approved EMS agency be certified by WA DOH as an EMT. Prerequisite: Acceptance to the EMT Program and READ 088.

HO 135 Advanced EMT 12 Credits
This course is advanced training for current EMTs seeking additional credentialing by WA DOH and complies with DOT and WA DOH required curriculum. Healthcare topics and continuing education are offered as they relate to the direct care provider/Advanced EMT. Instruction will be given in starting IVs and airways, endotracheal intubation, in-depth patient assessment, and administering aspirin, albuterol, dextrose, epinephrine, naloxone, and nitroglycerin chemicals. Prerequisite: At least one year service as EMT and affiliation with local fire department or EMS agency. Instructor permission required.

HO 142 Survey of Patient Navigation 1 Credit
This survey course introduces the interrelationships and intricacies of the very complex health and community services system, and identifies the role of the patient care navigator in assisting the patient to effectively maneuver within this system. This is the first of a seven-course series.

HO 143 The Patient Experience 1 Credit
This course focuses on the whole patient, including cultural considerations, barriers to optimal health care, and the impact of chronic illness, and discusses promoting individual wellness using defined advocacy and engagement techniques. This is the second course of a seven-course series. Recommended: HO 142.

HO 144 The Medical Team 1 Credit
This course defines the role, skills, and function of patient care navigation and how it fits into the care team. Also, it explains the need for effective patient navigators in today's complex healthcare system. This is the third course of a seven-course series. Recommended: HO 142 and 143.

HO 145 The Whole Patient 1 Credit
This course introduces the whole patient concept and how cultural competency impacts access to the healthcare system. This is the fourth course of a seven-course series. Recommended: HO 142, 143 and 144.

HO 146 The Communication Link 1 Credit
This course focuses on the importance of communication skills of the patient navigator in facilitating effective patient care and advocacy. This is the fifth course of a seven-course series. Recommended: HO 142, 143, 144 and 145.

HO 147 The Navigator as Coach 1 Credit
This course defines the scope of practice of the patient navigator and introduces the principal of motivational interviewing techniques. This is the sixth course of a seven-course series. Recommended: HO 142- HO 146.

HO 148 The Navigator Skills 1 Credit
This course defines the scope of practice of the patient navigator and how a navigator's skills relate to health maintenance, disease prevention, compliance with treatment plan, community resources, and adaptations relevant to patient needs. The principles of motivational interviewing are introduced. This is the seventh course of a seven-course series. Recommended: HO 142-HO 147.

HO 164 Spanish for the Medical Experience 2.0 Credits
Enables professionals working in healthcare settings to offer immediate help to Spanish-speaking patients while waiting for Language Access Services. Emphasis is on basic, practical language needed to communicate with Spanish speaking patients and their families at the hospital or doctor's office, on the telephone, or at the patient's home.

HO 169 Suicide Prevention Training .6 Credit
This interactive course is for healthcare professionals responsible for the care and safety of those patients/clients at elevated risk for suicidal behaviors in all settings and across the age span. The course includes training in best practices for the assessment and management of adult, youth and/or veteran suicide risk as required by WA State DOH & WAC regulation. Six clock hours of continuing education credit may be obtained upon completion.

HO 170 Workplace Violence Prevention and Safety for Healthcare Professionals 1 Credit
This course is designed for healthcare professionals facing the ever increasing risk of workplace violence. Risk factors and common settings for workplace violence will be presented. Using case scenarios, interactive training on effective, evidence-based, verbal deescalation techniques will be taught. Practical advice and safety skills will be presented to assist the learning to better protect and advocate for their safety in the healthcare work environment. Criminal laws that protect healthcare professionals from assault will be discussed and physical self-defense techniques will be demonstrated.

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. This class is open to Medical Assisting students, Nursing students, and other interested health professionals.

HO 174 Transcultural Competency for Health Professionals 2 Credits
An introduction to basic concepts of transcultural competency in Nursing and Allied Health with a focus on the applied aspects of cultural difference. Examines how different cultural communities relate to health care in terms of behavior, attitude, and policy and how these are transformed into practices and standards in the medical community, impacting quality of service and producing a given outcome. Recommendation: Appropriate placement score or grade of C or higher in English 087; or completion of any college-level coursework at the 100 level or higher.

HO 191 Success Strategies for Healthcare 1 Credit
Using Nursing as an exemplar, this course is designed to empower students to actively prepare for success in a healthcare education program. The emphasis of the course will be on the application of critical

thinking strategies, the Nursing Process, and test-taking techniques. The course includes an overview of learning and motivation theories and of priority setting frameworks. Each student will create a study plan that fits their learning style.

HO 193 Medical Scribe Practicum **5 Credits**
This course is an opportunity for students to practice the skills they have acquired in the Medical Scribe program in the medical office of clinic. Prerequisite: Acceptance into the Medical Scribe program. Must have completed BUS 231, BUS 138, BUS 025 or typing test showing proficiency at 50 WPM, or have instructor permission.

HO 199 Special Topics **1 - 5 Credits**
Study and train to meet established local needs in the healthcare industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

HO 266 Physical Assessment **2 Credits**
Designed as a review for the practicing nurse or allied health professional, or as skills reinforcement for the student nurse. Practical application of clinical physical assessment skills will be the major focus of this course. Content will begin with a technique for history-taking and then assess selected major body systems. Prerequisite: BIOL& 251 and BIOL& 252 or instructor permission.

HO 279 Medical Vocabulary **2 Credits**
This course is an introduction to basic medical vocabulary. It provides the student a systematic approach to the language used in the healthcare system beginning with root words, prefixes and suffixes, and continuing on with the specific terms relating to normal and abnormal conditions of the body. This course is offered as needed, and may be scheduled in Fall, Winter, Spring, and Summer quarters.

HO 297 Special Projects **1 - 10 Credits**
Project-oriented experiences in the area or applications not covered in the standard allied health and safety education curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience.

American Sign Language

ASL& 121 American Sign Language I [H] **1 - 5 Credits**
Introduction to American Sign Language including basic sign language vocabulary and deaf culture. Students will learn to communicate in basic conversation with individuals who are deaf or have impaired hearing. From a variety of media, students will be exposed to techniques and strategies used by the profoundly deaf and the hearing-impaired to cope with life functions. Formerly COMM 107, American Sign Language I.

ASL& 122 American Sign Language II [H] **1 - 5 Credits**
This is the second course in a series introducing the basics of American Sign Language (ASL). This expands on the student'_s knowledge of the ASL vocabulary and grammar. The deaf culture is explored in relation to the use of ASL for communication. Emphasis is on vocabulary for every day communication, proper grammar, facial expression, and the _tone of voice_ created through specific motions. Prerequisite: C- or better in ASL& 121 or equivalent course. Formerly COMM 108, American Sign Language II.

ASL& 123 American Sign Language III [H] **1 - 5 Credits**
Continuation of ASL& 122. This is the third course in a series of three courses that introduces the basics of American Sign Language (ASL). In this course students will learn appropriate ways to express emotion and opinion. Students will sign for the class from a creative work: poetry, a play, an excerpt from a novel, or some other written work approved by the instructor. Prerequisite: C- or better in ASL& 122 or equivalent course. Formerly COMM 109, American Sign Language III.

Anthropology

ANTH& 100 Survey of Anthropology [SS] **5 Credits**
Introduction to the study of anthropology and various cultures around the world. Provides a brief study of the four main subfields of anthropology: Biological Anthropology, Archaeology, Cultural Anthropology, and Linguistics. Recommended: READ 088. Formerly ANTH 101, Intro to Anthropology.

ANTH& 206 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. Recommended: READ 088. Formerly ANTH 202, Cultural Anthropology.

Applied First Year Experience

AFYE 100 Applied First Year Experience **3 Credits**
provides an overview of college and workforce resources, learning strategies, and motivation methods that promote student success in workforce programs. Empowers students to become active, responsible, and successful learners. Upon completion, students will demonstrate a clear understanding of strategies required to meet their life goals. Co-requisite: Enrollment in at least one pre-college or college-level course.

AFYE 101 Applied First Year Experience I **1 Credit**
provides an overview of college resources, learning strategies, and motivation methods that promote student success in workforce programs. Empowers students to become active, responsible, and successful learners. Upon completion, students will demonstrate a clear understanding of strategies required to meet their life goals. Co-requisite: Enrollment in at least one pre-college or college-level course.

AFYE 102 Applied First Year Experience II **1 Credit**
This course provides an overview of college and workforce education resources,learning strategies, and motivation methods that empower students to become active, responsible, and successful learners. Upon completion students will demonstrate a clear understanding of the strategies required to meet their education and life goals. Co-requisite: Enrollment in at least one pre-college or college-level course.

AFYE 103 Applied First Year Experience III **1 Credit**
Provides an overview of college and workforce education resources, learning strategies, and motivation methods that promote student success. Empowers students to become active, responsible, and successful learners. Upon completion, students will demonstrate a clear understanding of strategies required to meet their life goals. Pre-requisite: AFYE 102 Co-requisite: Enrollment in at least one pre-college or college-level course.

Applied Instruction

ACOM 102 Communication in the Workplace **5 Credits**
Oral Communication prepares students to communicate effectively and professionally in the workplace. Through experiential activities and assignments, students explore fundamentals of maintaining productive interpersonal interactions in workplace settings. This course contributes to the student's workplace communication skills as the student learns to give and receive support from others in classroom and on-line discussion and activities. Student refine communication skills used in networking and applied in informal and formal interviews.

AENG 100 Writing in the Workplace **5 Credits**
Writing course prepares students to be effective writers in the workplace. The course focuses on career related writing, especially for students in a professional-technical career pathway. Students compose, design, revise, and edit effective letters, memos, and employment documents including a resume and cover letter. An emphasis of the course is on the use of language to communicate information clearly, and precisely. Recommended:Previous or concurrent enrollment in CS 100 or CS 110, and ENGL 097.

AMATH 105 Introduction to Quantitative Problem Solving for the Trades **5 Credits**
An introductory course in problem-solving for vocational and technical programs that uses basic computation (both without and with a calculator), pre-algebra, and introductory algebra and geometry skills. Course includes guided and independent practical problem solving, contextualized small-group classroom activities and open-ended projects. A prescribed problem-solving structure will be followed. Prerequisite: Appropriate placement score.

AMATH 106 Quantitative Problem Solving for the Trades I **5 Credits**
A course in problem solving for vocational and technical programs that uses basic pre-algebra, algebra, and geometry skills. Course includes guided and independent practical problem solving, contextualized small-group classroom activities and open-ended projects. A prescribed problem-solving structure will be followed. Prerequisite: Grade of C- or better in AMATH 105, or appropriate placement score.

AMATH 107 Quantitative Problem Solving for the Trades II **5 Credits**
A course in problem solving for vocational and technical programs that uses algebra, geometry, and trigonometry. Course includes guided and independent practical problem solving, contextualized small-group classroom activities and open-ended projects. A prescribed problem-solving structure will be followed. Prerequisite: Grade of C- or better in AMATH 106, or appropriate placement score

Art

ART& 100 Art Appreciation [H] **5 Credits**
An introduction to the history, vocabulary, purposes, themes, styles, methods, and materials of art. Formerly ART 100, Art Appreciation.

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**
An introductory course in which students explore a variety of materials and projects that incorporate basic art vocabulary and principles. Emphasis on individual expression and freedom to create within structured assignments; focus on 2-dimensional media in black and white. No previous experience necessary.

ART 105 Design II (Color) [HP] **4 Credits**
An introductory course in which students explore a variety of materials and projects that incorporate basic art vocabulary and principles. Emphasis on individual expression and freedom to create within structured assignments; focus on 2-dimensional media in black and white and color.

ART 107 Fundamentals of Digital Art [HP] **5 Credits**
An introductory course in which students explore the practical uses and creative possibilities of digital media through Adobe Illustrator and Adobe Photoshop. Emphasis is on understanding the basic tools and techniques for individual expression and visual problem-solving. No experience necessary.

ART 124 Women Artists in History [D, H] **5 Credits**
Explore over forty women artists in the context of their times. Discuss issues of social justice, moral conflicts, cultural expectations, institutional obstacles and limitations. Student may not earn credit for both ART 124 and GWST 124. Recommended: READ 088 or higher.

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 160 Ceramics I [HP] **5 Credits**
An introduction of fundamental skills and methods needed to create a variety of ceramics. While many hand building methods are learned, wheel throwing is at the center of this class. The emphasis is on proper

wheel throwing techniques to achieve a ten inch cylinder, bowl, and vase. Theory, history, aesthetics, design principles and glaze making are all discussed. Creating rich, colorful and varied decorative surfaces are demonstrated at the green ware stage while many glazing and firing techniques are explored. Personal creativity is always emphasized. Lab hours required and materials to be purchased.

ART 161 Ceramics II [HP] **5 Credits**
This course builds on the fundamentals learned in Ceramics I. The emphasis is on proper wheel throwing techniques to create shapes suitable for decorative processes such as carving, sgraffito, horsehair, and majolica. New methods will be learned such as creating crackle and spring wire vessels along with learning the lid making process. Hands-on introduction to making glazes, spraying glazes and loading the bisque kiln. Personal creativity is always emphasized. Lab hours required and materials to be purchased.

ART 162 Ceramics III [HP] **5 Credits**
This course builds on the fundamentals learned in Ceramics II. The emphasis is on learning more complicated wheel throwing techniues to create a set of two plates, four mugs, two cup and saucer sets, large bowls, lids, and deep footed vases. More decorative techniques will be applied to a greater range of shapes. Participating in the loading and firing of the gas kiln. Choosing, making, refining, and testing a glaze recipe. Personal creativity is always emphasized. Lab hours required and materials to be purchased.

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 [HP] **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] **5 Credits**
An introduction of fundamental skills and methods needed to form creative and diverse ceramic sculpture. This includes learning coil, pinch, slab, paddle and wheel methods, while theory, history, aesthetics and design principles are all discussed. Also learning how different glazes and firing techniques produce a broad range of beauty. Personal creativity is always emphasized. Lab hours required and material to be purchased.

ART 261 Ceramics and Sculpture II [HP] **5 Credits**
An introduction of fundamental skills and methods needed to form creative and diverse ceramic sculpture. This includes learning coil, pinch, slab, paddle and wheel methods, while theory, history, aesthetics and design principles are all discussed. Also learning how different glazes and firing techniques produce a broad range of beauty. Personal creativity is always emphasized. Lab hours required and materials to be purchased.

ART 262 Ceramic and Sculpture III [HP] **5 Credits**
An introduction of fundamental skills and methods needed to form creative and diverse ceramic sculpture. This includes learning coil, pinch, slab, paddle and wheel methods, while theory, history, aesthetics and design principles are all discussed. Also learning how different glazes and firing techniques produce a broad range of beauty. Personal creativity is always emphasized. Lab hours required and materials to be purchased.

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**
This course, which includes a lab, examines the formation of our solar system and the nature of our sun and planets and is intended for the student interested in astronomy or in order to fulfill the general education lab science requirements. Topics include the historical development of the science of astronomy. Formerly ASTR 110, The Solar System. Prerequisites: Appropriate placement score or grade of C or higher in MATH 74C or MATH 075; appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088 or higher.

ASTR 115 Stellar Astronomy [NS] **5 Credits**
This course, which includes a lab, explores the formation, evolution, and death of stars. Our sun is used as an example of ordinary stars in their middle age. This course is intended for the student interested in astronomy to fulfill the general education lab science requirements. Topics include the birth of stars and the final states they may occupy at their death, extraordinary stars, extremely massive stars, black holes, neutron stars, and white dwarfs. Prerequisites: Appropriate placement score or grade of C or higher in MATH 74C or MATH 075; appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088 or higher.

ASTR 120 Galaxies, the Universe and Cosmology [NS] **5 Credits**
This course, which includes a lab, examines current ideas concerning the nature of galaxies and the universe as a whole. This course is intended for the student interested in astronomy to fulfill the general education lab science requirements. Topics include general relativity and curved space-time, black holes, quasars, and The Big Bang model of cosmology. These topics are studied in a descriptive, predominately non-mathematical manner. Prerequisites: Appropriate placement score or grade of C or higher in MATH 74C or MATH 075; appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088 or higher.

Automotive Repair Technology

AMM 100 Automotive Maintenance and Light Repair **5 Credits**
Provides students with the basics of automotive maintenance including the identification of vehicle systems and basic repairs. Topics include workplace safety, basic shop procedures, tool identification, proper use of fasteners and precision measurement. Co-requisite: AMM 101.

AMM 101 Automotive Maintenance and Light Repair Lab **10 Credits**
Provides students with the basics of automotive maintenance including the identification of vehicle systems and basic repairs. Topics include

workplace safety, basic shop procedures, tool identification, proper use of fasteners and precision measurement. Co-requisite: AMM 100

AMM 110 Automotive Maintenance and Light Repair II Lecture **5 Credits**
Provides students with the basics of automotive maintenance including the identification of vehicle systems and basic repairs. Topics include; Electricity, Suspension and Steering, Passenger Comfort and Engine Performance. Co-requisite: AMM 111.

AMM 111 Automotive Maintenance and Light Repair II Lab **10 Credits**
Provides students with the basics of automotive maintenance including the identification of vehicle systems and basic repairs. Topics include; Electricity, Suspension and Steering, Passenger Comfort and Engine Performance. Co-requisite: AMM 110.

AMM 200 Automotive Engines **2.5 Credits**
The student will receive information concerning the complete rebuilding of the automobile engine. This instruction will include checking guides, and installing rod, main and cam bearings, timing gears and chain, pistons and rings. emphasis is on proficiency in the use of the micrometer to measure wear of cylinders, pistons, and crankshafts. This class is structured to provide the student with the background and knowledge to pass the A-1 ASE certification examinations. Co-requisite: AMM 201. Prerequisite: AMM 111.

AMM 201 Automotive Engines Lab **5 Credits**
The student will receive practical application concerning the complete rebuilding of the automobile engine. This instruction will include checking guides, and installing rod, main and cam bearings, timing gears and chain, pistons and rings. emphasis is on proficiency in the use of the micrometer to measure wear of cylinders, pistons, and crankshafts. This class is structured to provide the student with the background and knowledge to pass the A-1 ASE certification examinations. Co-requisite: AMM 200. Prerequisite: AMM 111.

AMM 210 Automotive Electrical **2.5 Credits**
This course is on basic electricity designed to give 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/ohm/amp meters. Emphasis is placed on diagnosis and repair of electrical systems and their components. This class is structured to provide the student with the background and knowledge for the A-6 ASE certification examinations. co-requisite: AMM 211. Prerequisite: AMM 201.

AMM 211 Automotive Electrical Lab **5 Credits**
This course is on basic electricity designed to give the students 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/ohm/amp meters. Emphasis is placed on diagnosis and repair of electrical systems and their components. This class is structured to provide the student with the background and knowledge for the A-6 ASE certification examinations. Co-requisite: AMM 210. Pre-requisite: AMM 200.

AMM 220 Automotive Manual Transmission **2.5 Credits**
This course covers classroom theory and complete repair and rebuilding process of manual transmissions/transaxles, transfer cases, differentials and axles. This class is structured to provide the student with the background and knowledge to pass the A-3 ASE certification examination. Co-requisite AMM 221; Pre-requisite AMM 210.

AMM 221 Automotive Manual Transmission Lab **5.0 Credits**
This course covers classroom theory and complete repair and rebuilding process of manual transmissions/transaxles, transfer cases, differentials and axles. This class is structured to provide the student with the background and knowledge to pass the A-3 ASE certification examination. Co-requisite AMM 220; Pre-requisite AMM 211.

AMM 230 Automatic Transmissions **2.5 Credits**
This course covers classroom theory of automatic transmissions/ transaxles. This class is structured to provide the student with the background and knowledge to pass the A-2 ASE certification examinations. Co-requisite AMM 231; Pre-requisite AMM 220.

AMM 231 Automatic Transmission Lab **5 Credits**
This course covers disassembly and rebuilding process of automatic transmissions/transaxles. Co-requisite AMM 230; Pre-requisite AMM 220

AMM 240 Engine Performance **5 Credits**
Introduction to alternative fuel injection systems. Students will study fuel pumps, fuel filters, fuel injection system operation, diagnosis and repair and emission systems related to fuel injection. Students will learn to use automotive scan tools, automotive oscilloscopes, engine analyzers, gas analyzers, and other specialized fuel system tools and equipment. The course is structured to provide students with the background knowledge to take ASE certification examinations. Co-requisite AMM 241; Pre-requisite AMM 230.

AMM 241 Engine Repair Lab **10 Credits**
Introduction to fuel injection systems. Students will study fuel pumps, fuel filters, fuel injection system operation, diagnosis and repair and emission systems related to fuel injection. Students will learn to use automotive scan tools, automotive oscilloscopes, engine analyzers, gas analyzers and other specialized fuel system tools and equipment. The course is structured to provide students with the background knowledge to take ASE certification examinations. Co-requisite AMM 241; Pre-requisite AMM 230.

AMM 250 Suspension and Alignment **3 Credits**
Introduction to automotive alignment and suspension theory, diagnosis and repair. The student will learn automotive terminology, shop and personal safety. Students will learn suspension and alignment principles, two and four wheel alignment, suspension diagnosis and repair, tire and wheel diagnosis and repair. Class will consist of concepts learned in the classroom. This class is structured to provide the student with the background and knowledge to for the A-4 ASE certification examination. Co-requisite AMM 251; Pre-requisite AMM 240.

AMM 251 Suspension and Steering Lab **2 Credits**
Introduction to automotive alignment and suspension theory, diagnosis and repair. The student will learn automotive terminology, shop and personal safety. Students will learn suspension and alignment principles, two and four wheel alignment, suspension diagnosis and repair, tire and wheel diagnosis and repair. Class will consist of concepts learned in the classroom. This class is structured to provide the students with the background and knowledge for the A-4 ASE certification examination. Co-requisite AMM 250; Pre-requisite AMM 240.

AMM 260 Automotive Brake Systems **3 Credits**
Training in theory, diagnosis and repair of automotive brake systems. Students will study disc, drum and anti-lock brake systems. This course is structured to provide competency-based application of NATEF automotive repair tasks in a working shop environment and will provide students with the background and knowledge to take the ASE certification examinations. Co-requisites AMM 261; Pre-requisite AMM 250.

AMM 261 Automotive Brake Systems Lab **2 Credits**
Training in theory, diagnosis and repair of automotive brake systems. Students will study drum, disc and anti-lock brake systems. This class is structured to provide the student with the background and knowledge to pass the A-5 ASE certification examinations. Co-requisite AMM 260; Pre-requisite AMM 250.

AMM 270 Passenger Comfort Systems **3 Credits**
Introduction to Climate Control and Comfort systems. The student will learn air conditioning terminology, system safety, refrigeration principles, operation of the refrigeration systems. Students will learn the proper use of specialized tool and equipment. The student will become familiar with all major components of a typical climate control system. This class is structured to provide the student with the background and knowledge for the A-7 ASE certification examination. Co-requisite AMM 271; Pre-requisite AMM 261.

AMM 271 Passenger Comfort Lab **2 Credits**
Introduction to Climate Control and Comfort systems. The student will learn air conditioning terminology, system safety, refrigeration principles, operation of the refrigeration systems. Students will learn the proper use of specialized tool and equipment. The student will become familiar with all major components of a typical climate control system. This class is structured to provide the student with the background and knowledge for the A-7 ASE certification examination. Co-requisite AMM 270; Pre-requisite AMM 260.

Biological Sciences

BIOL& 100 Survey of Biology [NS] **5 Credits**
This lab science course was developed around central themes in contemporary biology and emphasizes ecology, genetics, evolution and the diversity of life. This course is primarily intended for undecided or non-science majors in fulfillment of the general education lab science requirements. Through units on cells, plants, and animals the characteristics of living organisms and basic life processes will be illustrated. Topics will include discussions of recent advances in biology and the problems incurred. Formerly BIO 110, Survey of Biology. Prerequisite: Appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088 or higher.

BIOL 130 General Ecology [NS] **5 Credits**
This lab science course studies the interrelationships of organisms with their environment. This course is intended for either science or non-science majors in fulfillment of the general education lab science requirements. Through an understanding of general ecological principles contemporary problems such as pollution, endangered species, energy shortages, and over-population are addressed. Field trips and lab exercises support lecture discussions. Formerly BIO 130. Prerequisite: Appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088 or higher.

BIOL 150 Applied Equine Biology **3 Credits**
This non-lab course is focused on the structure and function of the horse and is intended for students in the farrier program or other interested students. Topics include units on the skeletal, muscular, digestive, and reproductive systems of the horse as well as nutrition, health care, emergency aid, and disease prevention. Formerly BIOL 170. Recommended: READ 088 or higher.

BIOL& 160 General Biology w/Lab [NS] **5 Credits**
This is an intensive course designed as a prerequisite for BIOL& 251 and BIOL& 260, and is intended specifically for students pursuing careers in Nursing or other Allied Health fields. Topics include cell chemistry, structure, metabolism, energetics, cell division, and genetic principles, and the basics of DNA technology. This course does not satisfy the prerequisite for BIOL& 212 or BIOL& 213. Formerly BIO 151, Cell Biology. Prerequisite: Appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088 or higher.

BIOL 161 Human Genetics [NS] **5 Credits**
Introduction to genetics with an emphasis on the impact of genetics on individuals, families and society. Topics include cell division, stem cells, meiosis and reproduction, Mendelian inheritance, multi factorial traits and diseases, DNA structure, gene expression & analytics, epigenetics, human genetic variation, mutations, chromosomal abnormalities, cancer, genetic and identity testing, human ancestry, PCR, recombinant DNA, gene therapy and genomics. Prerequisite: English 087 or placement in a higher English level. This is a non-lab course.

BIOL& 170 Human Biology [NS] **5 Credits**
BIOL&170 is a biology course designed for non-science majors that presents a general overview of the human body including structure (anatomy), organization and function (physiology). This non-lab course is a survey of all of the systems in the human body and is intended for non-science majors in fulfillment of the general education non-lab science requirements. Topics will provide a general overview of the structure (anatomy), organization and functions (physiology) of the human body and will investigate the range of human organization from molecules to cells to organs to organ systems to the organism as a whole. Prerequisite: Appropriate placement score of grade C or higher in ENGL 087; or permission of the Science Division Chair or designee. [NS]

BIOL& 175 Human Biology w/Lab [NS] **5 Credits**
BIOL& 175 is a biology course designed for non-science majors that presents a general overview of the human body including structure (anatomy), organization and function (physiology). This course has a lab component and will survey all of the systems in the human body. This course will investigate the range of human organization from molecules to cells to organs to organ systems to the organism as a whole. [NS] Prerequisite: Appropriate placement score of grade C or higher in ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088 or higher. This course is a lab version of BIOL& 170; students may not earn credit for both BIOL& 170 and BIOL& 175.

BIOL 180 Introduction to Conservation [NS] **5 Credits**
This is an introductory, non-lab science course designed for interested

students in fulfillment o f the general education non-lab science requirements. Topics include: the history, philosophical paradigms, central concepts, techniques, and challenges of conserving major natural resources in varied social, economic, and political contexts. A brief introduction of ecology and environmental biology will serve as the foundation for discussion of conservation concepts. Prerequisite: Appropriate placement score or grade of C or higher in ENGL 087. Recommended: READ 088 or higher.

BIOL 199 Special Topics **1 - 5 Credits**
Special Topics in biology is a variable credit class to allow students to have the opportunity to engage in independent research or explore special interests and topics.

BIOL 205 Introduction to Animal Behavior [NS] **5 Credits**
This lab science course will study the behavior and social organization of a variety of animal groups ranging from insects to primates and is intended for the interested student in fulfillment of the general education lab science requirements. Topics include the analysis of general principles of behavior modes and observation of animal behavior in the field and laboratory. Prerequisites: Appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088 or higher.

BIOL& 211 Majors Cellular [NS] **5 Credits**
This course is the first of a three quarter sequence intended for biology majors and other pre-professional students planning to transfer to a four-year university. It is an introductory cell biology course that can be taken in fulfillment of the AS Degree (Option I) lab science requirements. Topics include: an emphasis on cellular chemistry, eukaryotic and prokaryotic cell structure and function, metabolism, energetics, cell growth, Mendelian and molecular genetics. Students preparing for Allied Health programs are advised to take BIOL& 160. Prerequisite: Grade of C or higher in High School Chemistry (1 year) or CHEM& 110 or higher and appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088 or higher.

BIOL& 212 Majors Animal [NS] **5 Credits**
This course is the second of a three quarter sequence of biology courses intended for biology majors and other pre-professional students planning to transfer to a four-year university. It is an introductory animal biology course that can be taken in fulfillment of the AS Degree (Option I) lab science requirements. Topics include: the general structure and classification of animals followed by a more detailed treatment of the anatomy, physiology, and behavior of each of the invertebrate and vertebrate phyla. Lectures are supported by dissections, experiments, and field trips. Formerly BIO 153, General Zoology I. Prerequisite: BIOL& 211.

BIOL& 213 Majors Plant [NS] **5 Credits**
This course is the third of a three quarter sequence of biology courses intended for biology majors and other pre-professional students planning to transfer to a four-year university. It is an introductory plant biology course that can be taken in fulfillment of the AS Degree (Option I) lab science requirements. Topics include: an 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. Formerly BIO 152, General Botany. Prerequisite: BIOL& 211.

BIOL 221 Systematic Botany (Plant Identification) [NS] **5 Credits**
This course is an introduction to plant identification with emphasis on plants native to Eastern Washington. It is intended for either science or non-science majors in fulfillment of the general education lab science requirements. Topics will include: techniques of collection, preservation, mounting, and flora identification through use of plant identification keys. This course will provide an introduction to basic botany principles related to the structure and function of a typical flowering plant. Formerly BIO 221. Prerequisite: BIOL& 100 or 211, or AGPR 113, 114 or AGRI 215. Recommended: READ 088 or higher.

BIOL& 251 Human Anatomy & Physiology I [NS] **5 Credits**
This course is the first of a three quarter sequence which studies the structure and function of human body. This course is intended for Nursing and Allied Health majors in fulfillment of the pre-nursing (or health care related) lab science requirements. Topics include: introduction to the human body, histology and an examination of the skeletal, muscular, and nervous systems. Laboratory work may include mammalian dissections, model study and microscopy. Formerly BIO 210, Anatomy & Physiology I. Prerequisite: Grade of C or higher in BIOL& 160 or 211.

BIOL& 252 Human Anatomy and Physiology II [NS] **5 Credits**
This course is the second of a three quarter sequence which studies the structure and function of the human body. This course is intended for Nursing and Allied Health majors in fulfillment of the pre-nursing (or health care related)program lab science requirements; however, it may be used in order to fulfill general education lab science requirements. Topics include an examination of the following systems: endocrine, cardiovascular, respiratory, digestive, and urinary. Laboratory work may include mammalian dissections, study of models, and microscopy. Formerly BIO 211, Anatomy & Physiology II. Prerequisite: Grade of C or higher in BIOL& 251. Concurrent enrollment in BIOL& 253 allowed with instructor permission.

BIOL& 253 Human Anatomy and Physiology III [NS] **5 Credits**
This course is the third of a three quarter sequence which studies the structure and function of the human body. This course is intended for Nursing and Allied Health majors in fulfillment of the pre-nursing (or health care related) program lab science requirements; however, it may be used in order to fulfill general education lab science requirements. Topics include an examination of the following: reproductive system, embryology, the special senses, lymphatic and immune systems, metabolism, and fluids and electrolyte balance. Laboratory work may include mammalian dissections, study of models, and microscopy. Formerly BIO 211, Anatomy & Physiology III. Prerequisite: Grade of C or higher in BIOL& 251. Concurrent enrollment in BIOL& 252 allowed with instructor permission.

BIOL& 260 Microbiology [NS] **5 Credits**
This course involves the study of the general biology of microorganisms. While this course is primarily intended for Nursing and Allied Health majors, it may also be used in fulfillment of a general education lab science requirement. Topics include the classification, morphology, and physiology of microorganisms emphasizing the importance of microorganisms causing infectious diseases. Lab work focuses on the culturing and characterization of microorganisms. Formerly BIO 230,

Microbiology. Prerequisite: Grade of C or higher in BIOL& 160 or 211 or permission of the Science Division Chair or designee.

BIOL 265 Introduction to Immunology [NS] **2 Credits**
This non-lab course is a brief introduction to innate and acquired immunity, with particular focus on the essential concepts of the development, applications, and disorders of the specific immune system. Topics include: antibody mediated immunity, cell mediated immunity, vaccination, immune deficiency diseases, autoimmunity, and allergy. Formerly BIO 265. Prerequisite: Grade of C or higher in BIOL& 260 or BIOL& 252, or concurrent enrollment in the WWCC Nursing Program.

BIOL 299 Special Topics **1 - 5 Credits**
Special Topics in biology is a variable credit class to allow students to have the opportunity to engage in independent research or explore special interests and topics. Instructor permission required.

Business Administration

BUS 024 Keyboarding **3 Credits**
Introduction to the keyboard for beginning keyboard users or for students wishing to review the keyboard by touch. Formerly OT 024.

BUS 025 Keyboard Skillbuilding **1 - 3 Credits**
Provides opportunity to increase keyboarding speed and accuracy. 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. Formerly OT 025.

BUS& 101 Introduction to Business [SS] **5 Credits**
This course provides an overview of business, focusing on the world of business today within the context of our global society. Basic principles and concepts include; business models, entrepreneurship, functional areas of business, management, organizational structure, human resources, marketing, information systems, finance, ethics and social responsibility, as well as emerging business topics. Key themes woven throughout the course include exploration of career options and development of business problem-solving skills. Formerly BA 101, Introduction to Business.

BUS 102 Sales and Customer Service **5 Credits**
Examines concepts of Customer Relations Management (CRM) and customer servicing skills. Topics covered include understanding customer service levels, designing appropriate service delivery methods, evaluating customer satisfaction, creating effective customer experiences, identifying cultural differences, and understanding eCommerce transactional technologies. Emphasizes the importance of trust in customer relationships when partnering to create value, including privacy policies and use of personal data. Student may not earn credit for both BUS 102 and AGRI 210.

BUS 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 40. Formerly BA 112.

BUS 125 Word Processing Applications **5 Credits**
Document processing using MS Word taught in conjunction with formatting theory for business documents. Continued development of keyboarding speed and accuracy is provided. Ability to key by touch at a minimum of 30 WPM is required to enroll. Formerly OT 125.

BUS 126 Advanced Word Processing Applications **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. Formerly OT 126. Prerequisite: OT 125 or BUS 125.

BUS 138 Document Editing **5 Credits**
Fundamental course in proofreading and editing skills. Develops skills in proofreading to detect errors in capitalization, content, formatting, grammar, number usage, abbreviations, punctuation, spelling, word division, and word usage in business documents. Pre-requisite ENGL& 101 or AENG 100.

BUS 151 Microsoft Excel **5 Credits**
Develop business-related spreadsheet skills, including the ability to prepare, format, maintain and enhance an Excel worksheet for common business needs. Integrate formulas, functions and tables, manage multiple worksheets and workbooks, utilize filtering, conditional formatting, sorting and other advanced features to understand how to make important business decisions. Formerly OT 151.

BUS 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. Formerly BA 157.

BUS 170 Introduction to Hospitality & Tourism **5 Credits**
An introductory course designed to explore aspects of the hospitality/tourism industry and provide information on the nature, scope and significance at the local, regional and international levels. The course introduces topics within hospitality: human resources, customer service, operations, marketing, and planning.

BUS 192 Business Leadership Seminar I **3 Credits**
Designed to enhance and prepare students for a cooperative work experience. Gain and apply skills necessary to obtain and retain employment, including; successful job search, resume and cover letter composition, and interviewing techniques. Students will work in a highly interactive environment to obtain hands-on practice and immediate feedback on interviewing and networking practice sessions.

BUS 194 Small Business Management **5 Credits**
Introduction to small business management and entrepreneurship. Course will include role of small business in the economy, forms or business ownership, main causes for business failure and success. Students will review the steps for opening a business and complete

elements of a business plan clearly evaluating and illuminating the opportunity for entrepreneurial enterprise.

BUS 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. Formerly BA 199.

BUS& 201 Business Law I **5 Credits**
Introduction to law with an analysis of its origin and development and its interaction with business, including: legal procedures, contractual capacity, negotiable instruments, constitutional authority, business tort, product liability, bankruptcy, security regulations, anti-trust, Uniform Commercial Code, and principles of consumer protection. Formerly BA 251, Intro to Business Law I and BA 252, Intro to Business Law II.

BUS 210 Principles of Marketing **5 Credits**
Examine the business activities of marketing; product, place, price, and promotion. Understand the role of marketing in the economy and the process used to make effective business decisions. Emphasis on global business, including eCommerce as it relates to marketing strategy. Formerly BA 210.

BUS 214 Writing for Marketing and Advertising **5 Credits**
Writing for marketing and advertising is all about crafting a message. This course aims to build the essential skills to write clear, concise, and compelling messages for all media. Learn the techniques to develop and create copy for direct mail pieces, brochure copy, sales letters, email, websites, social media, and blogs.

BUS 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: CS 110. Formerly BA 217.

BUS 220 Introduction to 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. Student may not earn credit for both BUS 220 and AGRI 220.

BUS 222 Records and Database Management **5 Credits**
Students expand their knowledge of database software learned in CS 110. This class focuses on the operation and maintenance of a computer database. It also identifies the principles and practices of effective information management for an automated records system. There is an emphasis on 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. Formerly OT 222. Prerequisite: CS 110.

BUS 224 Microsoft PowerPoint/Desktop Publishing **3 Credits**
Designed for the business professional who will use presentation and desktop publishing software. Students will learn beginning to advanced features of PowerPoint and desktop publishing programs including: creating a presentation; applying and modifying text and graphics; using special effects; editing presentations; and publishing documents. Specific focus will be on creating effective messages for various audiences.

BUS 226 Microsoft Outlook **2 Credits**
Designed for the business professional who will use personal information management software. Students will learn to properly utilize email, scheduling, contact lists, task lists, journals, tracking, notes, reminders, and integration with other Microsoft software.

BUS 228 Legal Terminology **5 Credits**
Designed to give students a background in basic legal terminology. The student who successfully completes this course will understand the "language" of legal professions in a contextual application of the terminology. Formerly OT 228.

BUS 231 Electronic Medical Records **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. Formerly OT 231. Prerequisite or co-enrollment in CS 110 or instructor permission.

BUS 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. Communication with insurance companies, tracking reimbursements, and collection methods are covered. Formerly OT 232. Recommended: BUS 234.

BUS 234 Medical Coding **5 Credits**
Fundamental course in assigning medical procedure (CPT), diagnosis (ICD-10-CM) and HCPCS codes for use in insurance billing and medical record keeping. Designed for medical coders, medical assistants, billing specialists and health information professionals. Formerly OT 234. Prerequisite: OT 280. Recommended: READ 088 or higher.

BUS 235 Medical Coding Certification **1 Credit**
A course focusing on assigning medical procedure (CPT and HCPCS) and diagnosis (ICD-10-CM) codes for use insurance billing and coding. Design ed for medical coders. Students who complete this course will be prepared to take either the Certified Coding Associate (CCA through AHIMA) exam or the Certified Profession Coder (CPC through AAPC) exam. Prerequisite BUS 234.

BUS 250 Creativity & Design Thinking **5 Credits**
As everyday systems become more interdisciplinary, the challenges facing us require more creative and nuanced approaches. Creativity and Design Thinking provides students: general tools to improve creativity, an understanding of the decision-making process and a systematic framework to generate better solutions for complex challenges. This course is built for those who will work in interdisciplinary contexts or simply desire to be more creative.

BUS 270 Hospitality Operations **5 Credits**
This course provides information on every facet and department of a hotel, cruise ship, or restaurant. Students will study property development and management, marketing, operations, accounting and controls, and human resources. Industry trends are discussed and analyzed from a management perspective.

BUS 273 Legal Issues in Hospitality **5 Credits**
This course focuses on prevention and knowledge of the law as a way to sustain and develop a successful hospitality industry, whether it is a hotel, a restaurant, an airline, a travel business or any other hospitality service. This course will provide future hospitality industry personnel with the legal knowledge needed to enhance the customer's experience and to prevent lengthy, troublesome and costly litigation.

BUS 280 Medical Terminology **5 Credits**
Designed for the medical or medical business professional who will use medical terminology in a medical or business office setting. Students will learn medical terminology for the medical field. Students study terminology of major body systems in addition to common suffixes, prefixes and word roots.

BUS 287 Business Project **3 Credits**
Provides the student an opportunity to synthesize the knowledge gained through their degree coursework in the form of a final project. Students will plan and propose a workplace or research project and explore workplace leadership skills. Students will prepare and present final project. Recommended students take in their last quarter of program. ENG& 101 or AENG ### Writing in the Workplace.

BUS 291 Cooperative Work Experience **2 - 10 Credits**
Cooperative Education provides an opportunity for students to combine classroom theory with practical work experience. Experience gained in the workplace is directly related to the student's field of study or career goals. This formal training period is agreed upon by the student, employer, and instructor. Co-requisite: BUS 292. Formerly BA 291.

BUS 292 Business Leadership Seminar II **3 Credits**
Designed to enhance the practical experiences of students during their cooperative learning experience. Feedback and discussion on pertinent work issues including; ethics, office politics, delegation, asking for help, networking, and identifying future career goals. Co-requisite BUS 291 or instructor permission. Formerly BA 292.

BUS 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. Formerly BA 297.

BUS 300 Foundations of Management **5 Credits**
The course is organized around the four traditional functions of management: planning, organizing, leading and controlling. Students will explore organizational behavior and human motivation, quality management and process improvement, decision-making styles and strategic planning processes, leadership vs management, organizational design and structure, characteristics of effective change management and control systems, and the importance of ethics, law, stakeholder management and social responsibility in todayâÄôs fast-paced for-profit and non-profit organizations. There will also be contemporary topics discussed such as technology, empowerment, diversity and TQM. Instructor Permission.

BUS 310 Foundations of Management and Leadership **5 Credits**
Examines concepts of leadership and its relationship to management, including business models of leadership, organizational behavior, decision-making, and attributes of effective leadership. Students will determine their leadership style and apply leadership strategies to real world business problems. Instructor Permission Required.

BUS 330 Human Resources for Managers **5 Credits**
This course integrates the policy and practice of the human resource profession as it pertains to resource utilization, employee selection, recruitment, training, motivation, evaluation and compensation. Students will understand legal concepts of human relations related to labor relations and EEO legislation. This course will focus on human resource practices at both start-up organizations and small to large businesses, including ethical and social responsibility of hiring practices. Instructor Permission Required.

BUS 340 Marketing Management **5 Credits**
This course focuses on applying previously obtained marketing knowledge and skills necessary to formulate, manage, and evaluate marketing strategies. Traditional and digital promotional channels will be examined with particular focus on managing social media marketing platforms. Students will critically analyze marketing strategies over a variety of industries for their effectiveness and applicability to diverse contexts. Pre-requisite BUS 210 Principles of Marketing and EMRK 215 E-Marketing. Instructor Permission Required.

BUS 350 Entrepreneurial Finance **5 Credits**
This course will focus on the financial terminology, concepts and structures of entrepreneurial organizations. Students will understand the relationship between risk and return, cost of capital, start-up structures and governance, and stock/bond valuation. Students will evaluate financial projections and analyze financial statements. The course will also cover how to fund a start-up through angel investors, corporate investment, and private investment. Recommended Prerequisite ACCT& 201 Principles of Accounting or AGRI 220 Agriculture Finance. Instructor Permission Required.

BUS 360 Project Management **5 Credits**
This course provides students with an understanding of the application of project management to both corporations and start-up projects, including the four knowledge areas of scope, time, cost and quality. Students will utilize project management software tools to manage a project while working in a virtual team environment to gain experience working with a global marketplace. Instructor Permission Required.

BUS 370 Management Information Systems **5 Credits**
This course will explore the dynamic relationship and challenges associated with the integration of information systems within the modern business enterprise. Emphasis will be placed on the importance of strategic decision making related to implementation of enterprise systems, emerging technology, network and information security, and collaborations within a global marketplace. Instructor Permission Required.

BUS 410 Operations Management & Logistics **5 Credits**
This course explores the concepts related to the management of labor, materials, knowledge, equipment, goods and services. Students will understand and apply the concepts of Total Quality Management (TQM), Just In Time (JIT), forecasting, inventory theory and supply chain management. This course will focus on business start-up issues and the expansion of our global marketplace. Instructor Permission Required.

BUS 420 Business Strategy and Sustainability **5 Credits**
This course is intended to provide an overview of business strategy concepts, tools, and techniques to build and operate a sustainable organization. Integrates sustainable development and environmentalism with business management strategy to achieve corporate social responsibility. Students will learn about the ecological and economic benefits of sustainability/green practices. Instructor Permission Required.

BUS 430 International Business **5 Credits**
This course on the core concepts and techniques for entering the international marketplace. Emphasis is on the effect of sociocultural, demographic, economic, technological, and political-legal factors in the foreign trade environment and the challenges facing firms in a global context. A variety of topics will be covered to illustrate the unique nature of international business. Instructor Permission Required.

BUS 450 Financial Management **5 Credits**
This course will focus on corporate financial management and the concepts associated with the allocation of scarce resources across assets over time. Students will utilize spreadsheets and other analytical methods to study issues and problems related to corporate finance. Specific topics will include sources and sequencing of financing as a business develops, assessing and forecasting, managing short and long-term capital needs, and evaluating the financial plan in relationship to the stated business plan. Prerequisite: ACCT& 201. Instructor Permission Required.

BUS 495 Applied Management and Entrepreneurship Capstone **5 Credits**
This course is designed as the capstone course for students to integrate all other knowledge learned in the BAS Applied Management & Entrepreneurship program. The course focuses on the process of creating a business plan for an entrepreneurial venture. Central to the course is implementation planning, writing and presenting a complete business plan. Instructor Permission Required.

Cardio-Pulmonary Resuscitation (CPR)

CPR 045 Heartsaver CPR (Basic CPR) **.3 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 is basic CPR training offered for the general public and does not meet AHA healthcare provider requirements.

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**
Provides 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 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.

Career and Academic Education / English Language Acquisition

ELA 001 Educational Interview **1 Credit**
Learner-focused college readiness course designed to provide English Language Acquisition (ELA) learners with an understanding of college culture, learning needs and goal setting. The course is offered with students one-to-one, in small or large groups, or in a combination of these configurations. Student can register for three consecutive 1-credit courses. The course must meet for at least 10 hours per quarter to earn one credit. State-mandated assessment as well as the college's registration processes are included. Course has fully developed modules of instruction and is offered as a computer enhanced course.

ELA 005 ELA Foundations **1 - 12 Credits**
This foundational skills course is directed toward fostering students' understanding and working knowledge of concepts of print, the alphabetic principle, and other basic conventions of the English writing system. The skills are not an end in and of themselves; rather, they are necessary and important components of an effective, comprehensive reading program designed to develop proficient readers with the capacity to comprehend texts across a range of types and disciplines. In this course students will achieve foundational reading skills anchors as specified by the College Career and Readiness Standards for Adult Education produced by U.S. Department of Education Office of Vocational and Adult Education. Prerequisite: Placement by CASAS of 185, oral screen, or instructor permission.

ELA 010 ELA A **1 - 12 Credits**
This is an integrated course for beginning English Language Acquisition (ELA) students. In the pursuit of reaching higher educational needs, students improve reading, writing, speaking, listening, grammar, basic math, and digital literacy skills in real life contexts including identifying job and work-related abilities. This course is informed by the College Career and Readiness Standards for Adult Education produced by U.S. Department of Education Office of Vocational and Adult Education and is not limited to the outcomes below. Upon successful completion of the course, the successful ELA A student will reach the level of "proficient" as listed in the College and Career Readiness rubrics. Formerly ESL 010. Prerequisite: Placement by CASAS of 186-200.

ELA 014 ELA Communications **1 - 5 Credits**
In this course, ELA students improve their ability to communicate in English in personal, social, and workplace environments, and acquire academic skills to advance in college and career pathways. Upon successful completion of the course, the successful student will achieve foundational reading, speaking and listening, and language anchors level A informed by the College Career and Readiness Standards for

Adult Education produced by the U.S. Department of Education Office of Vocational and Adult Education. Prerequisite: CASAS placement score of 210 and below or instructor recommendation.

ELA 015 Communication **1 - 5 Credits**
Designed to meet the needs of students who speak with difficulty in familiar settings either face-to-face or in brief telephone conversations. Focus is on developing vocabulary, word choice, register, pace and gesture in order to increase effectiveness of communication. Formerly ESL 015. Prerequisite: CASAS placement score of 211 and above.

ELA 023 ELA Health and Nutrition **1 - 11 Credits**
This course is designed for ELA students seeking a diploma through the High School 21+ program. Course content emphasizes the importance of knowledge, attitudes, and practices relating to personal health and wellness. Students will also gain familiarity with evidence-based writing, reading for comprehension, computer/media literacy, mathematics, and employability concepts used in health and nutrition. Students who successfully complete this course can earn a High School 21+ credit in Health; students can earn an additional credit in other subject areas if they demonstrate the requisite competencies. CASAS score of 211 or above and a writing sample are used for placement.

ELA 030 ELA B **1 - 11 Credits**
This is an integrated course for lower-intermediate English Language Acquisition (ELA) students. In the pursuit of reaching higher educational needs, students improve reading, writing, speaking, listening, grammar, basic math, and digital literacy skills in real life contexts including identifying job and work-related abilities. This course is informed by the College Career and Readiness Standards for Adult Education produced by the U.S. Department of Education Office of Vocational and Adult Education and is not limited to the outcomes below. Upon successful completion of the course, the successful ELA B student will reach the level of "proficient" as listed in the College and Career Readiness rubrics. Prerequisite: Placement by CASAS of 201-221.

ELA 031 ELA United States History and Government and the Arts **1 - 9 Credits**
This course is designed for students seeking an adult high school diploma through the High School 21 Program, students studying for the GED® exam, and students seeking educational enrichment. In this course, students will investigate US History and Government through a variety of multimedia, reading, writing, fine art, and music. Students will respond to a wide variety of themes, by era in American History, beginning with the American Revolution through the development of our modern government, from the 1600s to the present. The content will examine the pathway and the development of the modern day culture, democracy and the federal government. Students who successfully complete this course could earn High School 21 credit in American History/Government and fine arts. Students can earn additional credit if they demonstrate the requisite competencies in reading and writing. WAC 180 51-061 CASAS post-test will be given after 45 hours of instruction. Prerequisite: CASAS score of 190 or above.

ELA 034 ELA Washington State History **1 - 5 Credits**
This course is designed for students seeking an adult high school diploma through the High School 21 program, students studying for the GED o exam, and students seeking educational enrichment. In this course, students will investigate Washington state history and government through a variety of multimedia, reading, writing, art, and music. Students will get a foundational overview of Washington state, its history and government, beginning with the geographical location and features, exploration and settlement, statehood and the structure of government and culminating in a project to be submitted to the HS 21 portfolio to demonstrate competency. Students who successfully complete this course earn HS 21+ credit for the Washington state History requirement. Students can earn additional credit if they demonstrate the requisite competencies in reading and writing. CASAS post-test will be given after 45 hours of instruction. Pre-requisite: CASAS score of 211-235.

ELA 042 ELA Integrated Digital English Acceleration **1 - 9 Credits**
Integrated Digital English Acceleration classes prepare ELA students for entry into I-BEST and other post-secondary programs. 30 instructional strands focus on English language instruction using an information literacy approach that aids students to learn language and locate information within a variety of contexts. The instructional design uses the flipped classroom model that provides online opportunities for students to gain foundational knowledge before coming to class, where they will apply the knowledge in project and problem-based activities. At least 50 percent of the instruction uses digital learning resources and include opportunities for self-directed learning. Instructor permission required.

ELA 060 Multi-Level ELA **1 - 13.5 Credits**
Offered for ELA students in levels I-VI. Student-centered instruction designed to develop language proficiency in reading, writing, speaking, listening and basic numeracy. Skills are developed in the context of everyday life situations with the goal of communicative and cultural competence. Technology is used to enhance learning opportunities as available.

ELA 065 Basic e-Learning for ELA **1 - 5 Credits**
This course is designed for ELA students at all levels of English proficiency. Students gain information literacy skills, media literacy skills, and information, communication, and technology literacy skills.

ELA 066 e-Learning for ELA **1 - 9 Credits**
Designed for ELA 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.

ELA 067 Beginning Writing Essentials **5 Credits**
This course focuses on the composition of well-developed sentences, paragraphs, and the writing process. Students learn the basics of sentence structure, informative, and narrative writing. Instructors will use the Career and College Readiness Standards level B to evaluate competencies and ensure developmental progression Prerequisite: Appropriate placement score or instructor permission.

ELA 068 Beginning Reading Improvement **5 Credits**
This course focuses on developing an understanding of the reading process and appreciation for the importance of reading for pleasure, personal growth, and academic success. Encourages and supports improvement of reading strategies to improve comprehension, critical thinking, and reading efficiency to better meet career and college reading demands. Students will be assessed at a level B of the CCRS. Prerequisite: Placement by appropriate reading score or instructor permission.

ELA 070 Special Purposes in ELA **1 - 11 Credits**
Opportunity for students to pursue special interests and topics in ELA.

ELA 077 ELA Intermediate Writing Essentials **5 Credits**
This course focuses on the composition of well-developed sentences, paragraphs, and the writing process. Students learn the basics of sentence structure, informative, and narrative writing. Instructors will use the Career and College Readiness Standards Level C to evaluate competencies and ensure developmental progression. Prerequisite: Appropriate placement score or instructor permission.

ELA 078 ELA Intermediate Reading Improvement **5 Credits**
This course focuses on developing an understanding of the reading process and appreciation for the importance of reading for pleasure, personal growth, and academic success. Encourages and supports improvement of reading strategies to improve comprehension, critical thinking, and reading efficiency to better meet career and college reading demands. Students will be assessed at a level C of the CCRS. Prerequisite: Appropriate placement score or instructor permission.

ELA 087 ELA Reading Improvement **5 Credits**
This course focuses on developing an understanding of the reading process and appreciation for the importance of reading for pleasure, personal growth, and academic success. Encourages and supports improvement of reading strategies to improve comprehension, critical thinking and reading efficiency to better meet college reading demands. Prerequisite: Appropriate placement score or instructor permission.

ELA 088 ELA Writing Essentials **5 Credits**
This course focuses on the composition of well-developed sentences, paragraphs, short essays, and the writing process. Students will develop critical thinking through the use of expository, narrative, critical, analytical, and persuasive writing techniques. Instructors will use the WWCC writing rubric to evaluate competencies and ensure developmental progression. Prerequisite: Appropriate placement score or instructor permission.

ELA 090 ELA Transitions **5 Credits**
This course allows students to develop and demonstrate strategies to adjust to the college experience, to develop a better understanding of the learning process, learn about programs and pathways available on campus, understand current abilities, characteristics, readiness to learn, and to acquire essential academic survival skills as students transition to higher level classes. Prerequisite: Appropriate placement score or instructor permission.

ELA 092 ELA Health & Fitness **5 Credits**
This course allows students to enhance physical fitness, develop lifelong skills through fitness activities and introduce students to assessment tools used to develop lifelong exercise habits.

ELA 097 ELA Basic Expository Writing **5 Credits**
This course focuses on the composition of well-developed sentences, paragraphs, essays, and the writing process. Students will develop critical thinking skills through the use of expository, narrative, critical, analytical, and persuasive writing techniques. Instructors use the WWCC writing rubric to evaluate competencies and ensure developmental progression. Prerequisite: Appropriate placement score or grade of C or higher in ENGL 087.

Career and Academic Education / GED Preparation

GED 010 AEP GED® Skill Building Language Arts **10 Credits**
The focus of instruction in this course is to strengthen reading, writing, problem solving, computational skills, and employability skills for individuals whose entrance assessment does not place them in GED® preparation. This class will provide lecture, group work, individual work, and hands on learning with practical application to GED® and individual career and academic goals. Prerequisite: Alternative Education Program (AEP) Eligibility and appropriate CASAS placement score.

GED 011 AEP GED® Skill Building Social Studies **10 Credits**
The focus of instruction in this course is to strengthen reading, writing, problem solving, computational skills, and employability skills for individuals whose entrance assessment does not place them in GED® preparation. This class will provide lecture, group work, individual work, and hands on learning with practical application to GED® and individual career and academic goals. Prerequisite: Alternative Education Program (AEP) Eligibility and appropriate CASAS placement score.

GED 012 AEP GED® Skill Building Science **10 Credits**
The focus of instruction in this course is to strengthen reading, writing, problem solving, computational skills, and emptoyability skills for individuals whose entrance assessment does not place them in GED® preparation. This class will provide lecture, group work, individual work, and hands on learning with practical application to GED® and individual career and academic goals. Prerequisite: Alternative Education Program (AEP) Eligibility and appropriate CASAS placement score.

GED 013 AEP GED® Skill Building Math **10 Credits**
Students will read write and interpret basic mathematical information using whole numbers, fractions benchmark percents and decimals Students will be introduced to basic patterns, data, algebraic concepts, measurement, geometry and computational skills to solve 1-2 step contextualized real life problems. Prerequisite: Alternative Education Program (AEP) Eligibility Instructor permission and appropriate CASAS placement score.

GED 020 AEP GED® Language Arts **10 Credits**
The focus of instruction in this course is to strengthen reading, writing, mathematics, problem solving, employment, and computational skills to successfully complete the official GED® examinations. This class will provide lecture, group work, individual work, and hands-on learning with practical application to GED®, and individual career and academic goals. Prerequisite: Alternative Education Program (AEP) Eligibility and appropriate CASAS Placement score.

GED 021 AEP GED® Social Studies **10 Credits**
The focus of instruction in this course is to strengthen reading, writing, mathematics, problem solving, employment, and computational skills to successfully complete the official GED® examinations. This class will provide lecture, group work, individual work, and hands-on learning with practical application to GED®, and individual career and academic goals. All students under 19 years of age must have a signed release from the last school they attended. Prerequisite: Alternative Education Program (AEP) eligibility and appropriate CASAS assessment Placement.

GED 022 AEP GED® Science **10 Credits**
The focus of instruction in this course is to strengthen reading, writing, mathematics, problem solving, employment, and computational skills to successfully complete the official GEDÂ® examinations. Students will explore foundational topics in science; a special focus will be placed on understanding those issues within the context of everyday life. Throughout this course students will gain familiarity with evidence-based writing, reading for comprehension, media/computer literacy, and mathematical concepts used in science. This class will provide lecture, group work, individual work, and hands-on learning with practical application to GED®, and individual lecture, group work, individual work, and hands-on learning with practical application to GED®, and individual career and academic goals. Prerequisite: Alternative Education Program (AEP) eligibility and CASAS Placement.

GED 023 AEP GED® Mathematics **10 Credits**
The focus of instruction in this course is to strengthen mathematics, problem solving, employment, and computational skills to successfully complete the official Mathematics GED®, and individual career and academic goals. Prerequisite: Alternative Education Program (AEP) eligibility and appropriate CASAS placement.

GED 024 GED® Skill Building **1 - 10 Credits**
The focus of instruction in this course is to strengthen reading, writing, problem solving, computational skills, and employability skills for individuals whose entrance assessment does not place them in GED®-025. This class will provide lecture, group work, individual work, and hands on learning with practical application to GED® and individual career and academic goals. All students under 19 years of age must have a signed release from the last school they attended. Students 16-17 years of age must first be admitted to the College following the Alternative Education Program (AEP) Eligibility or Underage Admission Policy, which is available in the High School Programs Office. Prerequisite: CASAS Score below 235.

GED 025 GED® Preparation **1 - 10 Credits**
The focus of instruction in this course is to strengthen reading, writing, mathematics, problem solving, employment, and computational skills to successfully complete the official GED® examinations. This class will provide lecture, group work, individual work, and hands-on learning with practical application to GED®, and individual career and academic goals. All students under 19 years of age must have a signed release from the last school they attended. Students 16-17 years of age must first be admitted to the College following the Alternative Education Program (AEP) Eligibility or Underage Admission Policy, which is available in the High School Programs office. Prerequisite: Students have credits placing them at 11th or 12th grade, and/or score of 236 or above on a CASAS assessment.

GED 030 CAP GED® Skill Building Language Arts **10 Credits**
The focus of instruction in this course is to strengthen reading, writing, problem solving, computational skills, and employability skills for individuals whose entrance assessment does not place them in GED® preparation. This class will provide lecture, group work, individual work, and hands on learning with practical application to GED® and individual career and academic goals. Prerequisite: Alternative Education Program (AEP) Eligibility and appropriate CASAS placement score.

GED 031 CAP GED® Skill Building Social Studies **10 Credits**
The focus of instruction in this course is to strengthen reading, writing, problem solving, computational skills, and employability skills for individuals whose entrance assessment does not place them in GED® preparation. This class will provide lecture, group work, individual work, and hands on learning with practical application to GED® and individual career and academic goals. Prerequisite: Alternative Education Program (AEP) Eligibility and appropriate CASAS placement score.

GED 032 CAP GED® Skill Building Science **10 Credits**
The focus of instruction in this course is to strengthen reading, writing, problem solving, computational skills, and employability skills for individuals whose entrance assessment does not place them in GED® preparation. This class will provide lecture, group work, individual work, and hands on learning with practical application to GED® and individual career and academic goals. Prerequisite: Alternative Education Program (AEP) Eligibility and appropriate CASAS placement score.

GED 033 CAP GED® Skill Building Math **10 Credits**
Students will read write and interpret basic mathematical information using whole numbers, fractions benchmark percents and decimals Students will be introduced to basic patterns, data, algebraic concepts, measurement, geometry and computational skills to solve 1-2 step contextualized real life problems. Prerequisite: Alternative Education Program (AEP) Eligibility Instructor permission and appropriate CASAS placement score.

GED 040 CAP GED® Language Arts **10 Credits**
The focus of instruction in this course is to strengthen reading, writing, mathematics, problem solving, employment, and computational skills to successfully complete the official GED® examinations. This class will provide lecture, group work, individual work, and hands-on learning with practical application to GED®, and individual career and academic goals. Prerequisite: Alternative Education Program (AEP) Eligibility and appropriate CASAS Placement score.

GED 041 CAP GED® Social Studies **10 Credits**
The focus of instruction in this course is to strengthen reading, writing, mathematics, problem solving, employment, and computational skills to successfully complete the official GED® examinations. This class will provide lecture, group work, individual work, and hands-on learning with practical application to GED®, and individual career and academic goals. All students under 19 years of age must have a signed release from the last school they attended. Prerequisite: Alternative Education Program (AEP) eligibility and appropriate CASAS assessment Placement.

GED 042 CAP GED® Science **10 Credits**
The focus of instruction in this course is to strengthen reading, writing, mathematics, problem solving, employment, and computational skills to successfully complete the official GED® examinations. Students will explore foundational topics in science; a special focus will be placed on understanding those issues within the context of everyday life. Throughout this course students will gain familiarity with evidence-based writing, reading for comprehension, media/computer literacy, and mathematical concepts used in science. This class will provide lecture, group work, individual work, and hands-on learning with practical application to GED®, and individual lecture, group work, individual work, and hands-on learning with practical application

to GED®, and individual career and academic goals. Prerequisite: Alternative Education Program (AEP) eligibility and CASAS Placement.

GED 043 CAP GED® Mathematics **10 Credits**
The focus of instruction in this course is to strengthen mathematics, problem solving, employment, and computational skills to successfully complete the official Mathematics GED®, and individual career and academic goals. Prerequisite: Alternative Education Program (AEP) eligibility and appropriate CASAS placement.

Career and Academic Preparation

CAP 001 CAP Level A **1 - 11 Credits**
Instruction in reading, writing, mathematics, employability, and digital literacy skills for individuals with a goal to improve foundational skills. Formerly ABE 001. Placement is determined by a score of less than 200 on a CASAS assessment or other intake assessment. All students under 19 years of age must have a signed release from the last school they attended. Students 16-17 years of age must first be admitted the the College following the Alternative Education Program (AEP) eligibility or the Underage Admissions Policy, which is available in the High School Programs office.

CAP 002 CAP Level B **1 Credit**
This course provides instruction in reading, writing, mathematics, employability, and digital literacy skills for individuals with a goal to improve foundational skills. Formerly ABE 002. Placement is determined by a score of 201-210 on a CASAS assessment or other intake assessment. 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 Alternative Education Program (AEP) eligibility or Underage Admissions Policy, which is available in the High School Programs office.

CAP 003 CAP Level C **1 Credit**
This course provides instruction in reading, writing, mathematics, employability, and digital literacy skills for individuals with a goal to improve foundational skills. Formerly ABE 003. Placement is determined by a score of 211-220 on a CASAS assessment or other intake assessment. 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 Alternative Education Program (AEP) eligibility or Underage Admissions Policy, which is available in the High School Programs office.

CAP 004 CAP Level D **1 Credit**
This course provides instruction in reading, writing, mathematics, employability, and digital literacy skills for individuals with a goal to improve foundational skills. Formerly ABE 004. Placement is determined by a score of 221-235 on a CASAS assessment or other intake assessment. 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 Alternative Education Program (AEP) eligibility or Underage Admissions Policy, which is available in the High School Programs office.

CAP 005 Educational Interview **1 - 4 Credits**
Variable 1-8 credits (with a maximum of eight credits per learner per year) course for Career and Academic Preparation students in all competency levels. This 4-credit course includes orientation to student's program, its resources and services; current student abilities, characteristics, learning styles, and readiness to learn; student's personal, educational, and employment background and interests; student's skill gaps, learning deficiencies, and difficulties; barrier identification with strategies, recommendations, and interventions for improvement; student's long-term and short-term goals; identification of the skills needed to reach those goals; and a plan of action for the student to achieve the goals (personal learning/action plan). The additional 4 credits, for a maximum of 8 credits per student per year, include credits earned in HS21+ portfolio development course used for assessment of competency that integrates foundational skills instruction in reading, writing, listening, speaking, math, employability, and/or digital literacy. Formerly ABE 005.

CAP 013 Basic Math **1 - 9 Credits**
Students will read, write, and interpret basic mathematical information using whole numbers, fractions, benchmark percents, and decimals. Students will be introduced to basic patterns, data, algebraic concepts, measurement, geometry, and computational skills to solve 1-2 step contextualized real life problems. Formerly ABE 013. All students who are under 18 years of age must have a signed release from their school district. Students 16-17 years of age must first be admitted to the College following Alternative Education Program (AEP) Eligibility or the Underage Admission policy, which is available in the High School Programs office. Prerequisite: Instructor permission or CASAS Score 195-225.

CAP 014 Applied Math II **1 - 9 Credits**
Students will read, write, and interpret mathematical information by measuring whole numbers and extending skills in fractions, decimals, ratios, and percents. Students will use basic patterns, data, algebraic concepts, measurement, geometry, and computational skills to solve 1-3 step theme based contextualized word problems. This course will integrate these skills into contextualized units. Students completing this course with a 70% or better will meet the requirements of High School 21+ to earn 1 credit of high school math equivalency. Formerly ABE 014. All students who are under 18 years of age must have a signed release form from their school district. Students 16-17 years of age must first be admitted to the College following the Alternative Education Program (AEP) Eligibility or the Underage Admissions Policy, which is available in the High School Programs office. Prerequisite: Grade of C or higher in ABE 013, CASAS Score of 220, or instructor permission.

CAP 017 Integrated Algebra and Geometry **1 - 9 Credits**
Students will be introduced to basic algebraic and geometric concepts through a contextualized, integrated curriculum. Students will review basic concepts of number sense, ratios, proportions, and percents and apply these skills to algebraic and geometric word problems. Students will also become familiar with polygons, circles, lines, and angles and their relationship with algebra by solving multi-step real life word problems. Students will increase their basic knowledge of algebra by understanding and applying signed numbers to real world concepts, solving multi-step equations, solving and graphing inequalities, linear equations, and an introduction to nonlinear equations, with an emphasis on quadratics. Students completing this course with a 70% or better will meet the requirements for High School 21+ to earn one (1) credit of high school math equivalency. Formerly ABE 017. Prerequisite: All students who are under 18 years of age must have a signed release form from their school district. Students 16-17 years of age must first be admitted to the college following

Alternative Education Program (AEP) eligibility or the Underage Admission Policy, which is available in the High School Programs office. Grade of C or higher in CAP 014, CASAS score of 236 or higher, or instructor permission.

CAP 023 Health and Nutrition **1 - 9 Credits**
This course is designed for students seeking an adult high school diploma through the High School 21+ Program students studying for the GED® exam, and students seeking educational enrichment. Course content emphasizes the importance of knowledge, attitudes, and practices relating to personal health and wellness. Students will also gain familiarity with evidence-based writing, reading for comprehension, computer/media literacy, mathematics, and employability concepts used in health and nutrition. This course is designed to prepare students for a successful transition to college-level courses and to develop the behaviors and values relevant to success in higher education and the labor market. Students who successfully complete this course can earn High School 21+ credit in Health; students may earn additional credits in other subject areas if they demonstrate the requisite competencies. Formerly ABE 023. All students under 19 years of age must have a signed release from the last school they attended. Students 16-17 year of age must first be admitted to the College following the Alternative Education Program (AEP) eligibility or Underage Admissions policy, which is available in the High School Programs office. Prerequisite: CASAS Score 201 or above.

CAP 024 General Science **1 - 11 Credits**
This course is designed for students seeking an adult high school diploma through the High School 21+ Program, students studying for the GED® exam, and students seeking educational enrichment. Students will explore foundational topics in science; a special focus will be placed on understanding those issues within the context of everyday life. Throughout this course students will gain familiarity with evidence-based writing, reading for comprehension, media/computer literacy, and mathematical concepts used in science. Students who successfully complete this course will earn a High School 21+ lab credit in science; students can earn an additional credit if they demonstrate the requisite competencies. Formerly ABE 024. All students under 19 years of age must have a signed release from the last school they attended. Students 16-17 years of age must first be admitted to the College following the Alternative Education Program (AEP) eligibility or Underage Admissions Policy, which is available in the High School Programs office. Prerequisite: CASAS score of 211 or above.

CAP 025 Language Arts **1 - 9 Credits**
This course is intended for students seeking an adult high school diploma through the High School 21 program, students studying for the GED® exam, and students seeking educational enrichment. In this course, students will increase their confidence and ability in writing and reading for academic purposes, employment, and everyday life. Course content emphasizes the mechanics of writing as well as strategies to develop and organize complex ideas in writing. The reading component of this course focuses on interpreting and analyzing a variety of texts, including fiction, nonfiction, and informational. This course is designed to prepare students for a successful transition to college-level courses and to develop the behaviors and values relevant to success in higher education and the labor market. Students who successfully complete this course will earn a High School 21 credit in English. Students can earn an additional credit if they demonstrate the requisite competencies. Formerly ABE 025. All students under 19 years of age must have a signed release from the last school they attended. Students 16-17 years of age must first be admitted to the College following the Alternative Education Program (AEP) eligibility or Underage Admissions policy, which is available in the High School Programs office. Prerequisite: CASAS score of 201 or above.

CAP 026 Contemporary World Problems **1 - 4.5 Credits**
This course is designed for students seeking an adult high school diploma through the High School 21 Program, students studying for the GED® exam, and students seeking educational enrichment. In this course, students will investigate a current world issue in depth; the issue will vary by quarter according to instructor and/or student interest. Course content will focus on understanding the historic, geographic, and economic context of the current world issue and how it intersects with questions of human rights, environmental change, globalization, and civic action. This course is designed to prepare students for a successful transition to college-level courses and/or to pass the GED®, and places an emphasis on acquiring reading, writing, math, and computer skills, and developing the behaviors and values relevant to a successful transition into higher education and the labor market. Students who successfully complete this course will earn a High School 21 credit in Social Studies; students can earn an additional credit in English if they demonstrate the requisite competencies in reading and writing. Formerly ABE 026. All students under 19 years of age must have a signed release from the last school they attended. Students 16-17 years of age must first be admitted to the College following the Alternative Education Program (AEP) eligibility or Underage Admissions policy, which is available in the High School Programs office. Prerequisites: CASAS score 201 or above.

CAP 031 United States History and Government **1 - 9 Credits**
This course is designed for students seeking an adult high school diploma through the High School 21 Program, students studying for the GED® exam, and students seeking educational enrichment. In this course, students will investigate US History and Government through a variety of multimedia, reading, writing, fine art, and music. Students will respond to a wide variety of themes, by era in American History. The content will examine the pathway and the development of the modern day culture, democracy and the federal government. Students who successfully complete this course could earn High School 21 credit in American History/Government and fine arts. Students can earn additional credit if they demonstrate the requisite competencies. Formerly ABE 031. All students under 19 years of age must have a signed release from the last school they attended. Students 16-17 years of age must first be admitted to the College following the Alternative Education Program (AEP) eligibility or Underage Admissions Policy, which is available in the High School Programs office. Prerequisite: CASAS score of 201 or above.

CAP 033 Washington State History **1 - 5 Credits**
This course is designed for students seeking an adult high school diploma through the High School 21 program, students studying for the GED ® exam, and students seeking educational enrichment. In this course, students will investigate Washington State history and government through a variety of multimedia, reading, writing, art, and music. Students will get a foundational overview of Washington State, its history and government, beginning with the geographical location and features, exploration and settlement, statehood and the structure of government and culminating in a project to be submitted to the HS 21+ portfolio to demonstrate competency. Students who successfully

complete this course earn HS 21+ credit for the Washington State History requirement. Students can earn additional credit if they demonstrate the requisite competencies in reading and writing. Formerly ABE 033. All students under 19 years of age must have a signed release from the last school they attended. Students 16-17 years of age must first be admitted to the College following the Alternative Education Program (AEP) Eligibility or Underage Admissions Policy, which is available in the High School Programs office. Prerequisite: CASAS score of 201 or above.

CAP 034 Art 1 - 11 Credits
This course is intended for students seeking an adult high school diploma through the High School 21+ program, students studying for the GED® exam, and students seeking educational enrichment. Students will explore foundational topics in art with focus on introduction to the history, vocabulary, purposes, themes, styles, methods, and materials of art. Throughout this course students will gain familiarity with evidence-based writing, reading for comprehension, media/computer literacy, and mathematical concepts used in art. Students who successfully complete this course will earn a High School 21+ credit in Art; students can earn an additional credit if they demonstrate the requisite competencies. All students under 19 years of age must have a signed release from the last school they attended. Students 16-17 years of age must first be admitted to the College following the Alternative Education Program (AEP) eligibility or Underage Admissions policy, which is available in the High School Programs office. Prerequisite: CASAS score of 201 or above.

CAP 051 Occupational Education 1: Workplace Skills 5 Credits
This course is designed for students seeking an adult high school diploma through the High School 21 Program, students studying for the GED® exam, and students seeking educational enrichment. In this course, students will increase their confidence and ability in writing, reading, math, and digital literacy skills for academic purposes, employment, and everyday life. Course content emphasizes developing workplace skills outlined in the Employability Framework. Students will determine their personal, educational and occupational goals by identifying marketable skills and exploring the current labor market. Students who successfully complete this course will earn a High School 21 credit in Occupational Education; students can earn an additional credit if they demonstrate the requisite competencies. Formerly ABE 029. All students under 19 years of age must have a signed release from the last school they attended. Students 16-17 years of age must first be admitted to the College following the Alternative Education Program (AEP) eligibility or Underage Admissions Policy, which is available in the High School Programs office. Prerequisite: CASAS score 201 or above.

CAP 052 Occupational Education 2: Applied Knowledge 5 Credits
This course is designed for students seeking an adult high school diploma through the High School 21 Program, students studying for the GED® exam, and students seeking educational enrichment. In this course, students will increase their confidence and ability in writing, reading, math, and digital literacy skills for academic purposes, employment, and everyday life. Course content emphasizes developing applied knowledge skills outlined in the Employability Framework. Students who successfully complete this course will earn a High School 21 credit in Occupational Education; students can earn an additional credit if they demonstrate the requisite competencies. All students under 19 years of age must have a signed release from the last school they attended. Students 16-17 years of age must first be admitted to the College following the Alternative Education Program (AEP) eligibility or Underage Admissions Policy, which is available in the High School Programs office. Prerequisite: CASAS score 201 or above.

CAP 053 Occupational Education 3: Interpersonal Skills & Communications 5 Credits
This course is designed for students seeking an adult high school diploma through the High School 21 Program, students studying for the GED® exam, and students seeking educational enrichment. In this course, students will increase their confidence and ability in writing, reading, math, and digital literacy for academic purposes, employment, and everyday life. Course content emphasizes developing interpersonal and workplace communication skills based on the Employability Framework. This course is designed to prepare students for a successful transition to college-level courses and to develop the behaviors and values relevant to success in higher education and the labor market. Students who successfully complete this course will earn a High School 21 credit in English. Students can earn an additional credit if they demonstrate the requisite competencies. All students under 19 years of age must have a signed release from the last school they attended. Students 16-17 years of age must first be admitted to the College following the Alternative Education Program (AEP) eligibility or Underage Admissions Policy, which is available in the High School Programs office. Prerequisite: CASAS score 201 or above.

CAP 054 Occupational Education 4: Financial Literacy 5 Credits
This course is designed for students seeking an adult high school diploma through the High School 21 Program, students studying for the GED® exam, and students seeking educational enrichment. In this course, students will increase their confidence and ability in writing, reading, math, and digital literacy for academic purposes, employment, and everyday life. Course content emphasizes the development of financial literacy knowledge. This course is designed to prepare students for a successful transition to college-level courses and to develop the behaviors and values relevant to success in higher education and the labor market. Students who successfully complete this course will earn a High School 21 credit in English. Students can earn an additional credit if they demonstrate the requisite competencies. All students under 19 years of age must have a signed release from the last school they attended. Students 16-17 years of age must first be admitted to the College following the Alternative Education Program (AEP) eligibility or Underage Admissions Policy, which is available in the High School Programs office. Prerequisite: CASAS score 201 or above.

CAP 055 Occupational Education V: Basic Communication & Technology 5 Credits
This course is designed for students at all levels of literacy competency. This e-learning course familiarizes beginners with the basic operation and navigation of the computer, utilizes office programs for college writing and occupational applications, enhances basic communication skills using e-mail, helps students gain basic keyboarding skills, and become competent using work-related computer applications. Students will be prepared to use the computer as a tool to continue their education and obtain, or retain, employment. Formerly ABE 066. All students under 19 years of age must have a signed release from the last school they attended. Students 16-17 years of age must first be admitted to the College following the Alternative Education Program (AEP)eligibility or Underage Admissions Policy, which is available in the High School Programs office. Prerequisite: CASAS score of 201 or above.

CAP 056 Occupational Education VI: Advanced Communication & Technology 5 Credits
This course is for those who are able to independently navigate technology on their own, but may need occasional assistance, and may need to improve typing skills. This course will also include creating presentations, creating simple spreadsheets and graphs in Excel, and exploring various file management options (i.e., Google Docs, etc.). Student would have the ability to navigate an online course independently with little to no guidance from the instructor. Students who successfully complete this course earn High School 21+ credit for Communication and technology. Students can earn additional credit if they demonstrate the requisite competencies. Formerly ABE 067. All students under 19 years of age must have a signed release from the last school they attended. Students 16-17 year of age must first be admitted to the college following the Alternative Education Program (AEP) eligibility or Underage Admissions Policy, which is available in the High School Programs office.

CAP 066 CAP Basic Communication and Technology 1 - 10 Credits
This course is designed for students at all levels of literacy competency. This e-learning course familiarizes beginners with the basic operation and navigation of the computer, utilizes office programs for college writing and occupational applications, enhances basic communication skills using e-mail, helps students gain basic keyboarding skills, and become competent using work-related computer applications. Students will be prepared to use the computer as a tool to continue their education and obtain, or retain, employment. Formerly ABE 066. All students under 19 years of age must have a signed release from the last school they attended. Students 16-17 years of age must first be admitted to the College following the Alternative Education Program (AEP)eligibility or Underage Admissions Policy, which is available in the High School Programs office. Prerequisite: CASAS score of 201 or above.

CAP 067 CAP Writing Essentials I 5 Credits
This course focuses on the composition of well-developed sentences, paragraphs. and the writing process. Students learn the basics of sentence structure, informative, and narrative writing. Instructors will use the Career and College Readiness Standards level B to evaluate competencies and ensure developmental progression Prerequisite: Appropriate placement score or instructor permission.

CAP 068 CAP Reading Improvement I 5 Credits
This course focuses on developing an understanding of the reading process and appreciation for the importance of reading for pleasure, personal growth, and academic success. Encourage and supports improvement of reading strategies to improve comprehension, critical thinking, and reading efficiency to better meet career and college reading demands. Students will be assessed at a level B of the CCRS. Prerequisite: Placement by appropriate reading score or instructor permission.

CAP 077 Writing Essentials II 5 Credits
This course focuses on the composition of well-developed sentences, paragraphs, and the writing process. Students learn the basics of sentence structure, informative, and narrative writing. Instructors will use the Career and College Readiness Standards level B to evaluate competencies and ensure developmental progression Prerequisite: Appropriate placement score or instructor permission.

CAP 078 Reading Improvement II 5 Credits
This course focuses on developing an understanding of the reading process and appreciation for the importance of reading for pleasure, personal growth, and academic success. Encourages and supports improvement of reading strategies to improve comprehension, critical thinking, and reading efficiency to better meet career and college reading demands. Students will be assessed at a level C of the CCRS. Prerequisite: Appropriate placement score or instructor permission.

CAP 079 CAP Algebra II 5 Credits
Students will be exposed to the concepts of rational exponents, functions, domain, and range, and focuses on exponential, logarithmic, radical, and rational functions. The course emphasizes simplifying expressions and solving equations. Students completing this course with a 70 percent or better will meet the requirements for High School 21+ to earn one (1) credit of high school math equivalency. Prerequisite: All students who are under 18 years of age must have a signed release form from their school district. Students 16-17 years of age must first be admitted to the college following Alternative Education Program (AEP) eligibility or the Underage Admission Policy, which is available in the High School Programs office. Grade of C or higher in CAP 017, CASAS score of 242 or higher, or Accuplacer Math 078, or instructor permission.

CAP 087 Writing Essentials III 5 Credits
This course focuses on the composition of well-developed sentences, paragraphs, short essays, and the writing process. Students will develop critical thinking through the use of expository, narrative, critical, analytical, and persuasive writing techniques. Instructors will use the WWCC writing rubric to evaluate competencies and ensure developmental progression. Prerequisite: Appropriate placement score or instructor permission.

CAP 088 Reading Improvement III 5 Credits
This course focuses on developing an understanding of the reading process and appreciation for the importance of reading for pleasure, personal growth, and academic success. Encourages and supports improvement of reading strategies to improve comprehension, critical thinking, and reading efficiency to better meet college reading demands. Prerequisite: Appropriate placement score or instructor permission.

CAP 090 CAP Transitions 5 Credits
This course allows students to develop and demonstrate strategies to adjust to the college experience, to develop a better understanding of the learning process, learn about programs and pathways available on campus, understand current abilities, characteristics, readiness to learn, and to acquire essential academic survival skills as students transition to higher level classes. Prerequisite: Appropriate placement or instructor permission.

CAP 092 CAP Health & Fitness 5 Credits
This course allows students to enhance physical fitness, develop lifelong skills through fitness activities and introduce students to assessment tools used to develop lifelong exercise habits.

CAP 097 Basic Expository Writing 5 Credits
This course focuses on the composition of well-developed sentences, paragraphs, essays, and the writing process. Students will develop critical thinking skills through the use of expository, narrative, critical, analytical, and persuasive writing techniques. Instructors use the WWCC writing rubric to evaluate competencies and ensure developmental progression. Prerequisite:

Appropriate placement score or grade of C or higher in ENGL 087.

Chemistry

CHEM& 105 Chemical Concepts [NS] **5.0 Credits**
This course will investigate key chemical concepts and is intended for non-science majors in fulfillment of the general education non-lab science requirements. Topics will be introduced using an overarching theme. Themes may include, but are not limited to, chemical advances in civilization, chemical processes in food preparation, forensic chemistry, environmental chemistry, and agricultural chemistry. Formerly CHEM 101, Chemistry. Prerequisites: Appropriate placement score or grade of C or higher in MATH 074C or MATH 075; appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science division Chair or designee. Recommended: READ 088 or higher. Credit cannot be received for both CHEM& 110 and CHEM& 105. This course does not satisfy the chemistry requirement for the nursing degree.

CHEM 106 Introduction to Forensic Chemistry [NS] **5 Credits**
This course will examine selected topics in forensic sciences and is intended for non-science majors in fulfillment of the general education lab science requirements. Through an understanding of basic chemical principals, this course will investigate the role of science in solving crimes. Topics may include glass analysis, document identification, blood detection and analysis, drug identification, and DNA profiling. The laboratory component will involve the analysis of trace evidence. Techniques utilized may include chromatography, fingerprinting, blood typing, fiber identification, glass analysis, mass spectrometry, and infrared spectroscopy. This course does not satisfy the chemistry requirement for the nursing degree.

CHEM& 110 Chemical Concepts w/Lab [NS] **5 Credits**
This course will provide a fundamental survey of chemistry and is intended for Nursing and Allied Health majors in fulfillment of the pre-nursing (or health care related) program lab science requirements. Topics will include an introduction to inorganic, organic, and biological chemistry from a health science perspective. Formerly CHEM 101, Chemistry. Prerequisites: Appropriate placement score or grade of C or higher in MATH 074C or MATH 075; appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science Division Chair or designee. Credit cannot be received for both CHEM& 110 and CHEM& 105. Recommended: READ 088 or higher.

CHEM& 121 Introduction to Chemistry [NS] **5 Credits**
This course provides a fundamental survey of inorganic chemistry and is intended for Nursing and Allied Health science majors in fulfillment of the pre-nursing (or health care related) program lab science requirements. Topics include atomic structure, bonding, periodicity, stoichiometry, gases, equilibrium, solution chemistry, acids, bases, and buffers. Formerly CHEM 107, General Chemistry for Health Sciences. Prerequisites: appropriate placement score or grade of C or higher in MATH 078, MATH 78E or MATH 079; appropriate placement score or grade of C or higher in ENGL 087; appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088 or higher; high school chemistry.

CHEM& 122 Introduction to Organic Chemistry [NS] **5 Credits**
This course provides a fundamental survey of organic chemistry and is intended for Nursing and Allied Health science majors in fulfillment of the pre-nursing (or health care related) program lab science requirements. Topics include structure, function and chemistry of aliphatic and aromatic hydrocarbons, alcohols, ethers, carboxylic acids, amines, and related compounds; mechanisms, and stereochemistry. Formerly CHEM 108, Organic Chemistry for Health Sciences. Prerequisite: grade of C- or higher in CHEM& 121.

CHEM& 123 Introduction to Biochemistry [NS] **5 Credits**
This course provides a fundamental survey of biochemical principles and is intended for Nursing and Allied Health science majors in fulfillment of the pre-nursing (or health care related) program lab science requirements. Topics include structure, function and chemistry for biomolecules, enzymatic catalysis, metabolic pathways, genetic expression, and genetic diseases. Formerly CHEM 109, Biochemistry for Health Sciences. Prerequisite: grade of C- or higher in CHEM& 122.

CHEM& 139 General Chemistry Prep [NS] **5 Credits**
This course will survey key chemical concepts in inorganic chemistry. It is intended for science majors who have not had chemistry in high school or need the chemical and mathematical preparation for the General Chemistry sequence. It fulfills the general education non-lab science requirements. Topics include atomic structure, bonding, stoichiometry, solution chemistry, acids, bases, and intermolecular forces. Co-requisite: MATH 079 or MATH 080. Prerequisites: appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088 or higher. This course does not satisfy the chemistry requirement for the nursing degree.

CHEM& 161 General Chemistry I w/Lab [NS] **5 Credits**
This course provides a detailed examination of the properties of matter and is intended for science majors in fulfillment of the AS Degree (Option I) or Engineering lab science requirements. Topics include measurements in chemistry, periodic trends, atomic structure, stoichiometry, solution chemistry, enthalpy, and bonding. Formerly CHEM 121, General Chemistry I. Prerequisites: Grade of C or higher in high school chemistry (one year) or CHEM& 139 or higher; placement into ENGL 97 or grade of C or higher in ENGL 87; placement into MATH 80/non-STEM MATH, or grade of C or higher in MATH 78 or MATH 79; or permission of the Science Division Chair or designee.

CHEM& 162 General Chemistry II w/Lab [NS] **5 Credits**
This course provides a detailed examination of the properties of matter and is intended for science majors in fulfillment of the AD AS Degree (Option I) or Engineering lab science requirements. Topics include molecular polarity and states of matter, orbital hybridization, gas laws, solution chemistry, kinetics, chemical equilibria, and acid/base chemistry. Formerly CHEM 122, General Chemistry II. Prerequisite: Grade of C- or higher in CHEM&161. This course satisfies the chemistry requirement for the nursing degree.

CHEM& 163 General Chemistry III w/Lab [NS] **5 Credits**
This course provides a detailed examination of the properties of matter and is intended for science majors in fulfillment of the AS Degree (Option I) or Engineering lab science requirements. Topics may include the study of aqueous equilibria, atmospheric chemistry, thermodynamics, electrochemistry, nuclear chemistry, coordination compounds, and organic chemistry. Formerly CHEM 123, General Chemistry III. Prerequisite: Grade of C- or higher in CHEM&162. This course satisfies the chemistry requirement for the nursing degree.

CHEM 199 Special Topics **1 - 5 Credits**
Special Topics in chemistry is a variable credit class to allow students to have the opportunity to engage in independent research or explore special interests and topics. Prerequisite: Instructor permission. This course does not satisfy the chemistry requirement for the nursing degree.

College Experience

CE 100 College Experience **1 - 3 Credits**
Designed to help students develop strategies to adjust to the college experience.

CE 102 Career Exploration for the Undecided Student **2 Credits**
Students who are undecided about their academic and career pathways will explore the relationship between their personal strengths and occupational interests. This course examines the self-awareness, opportunity-awareness, decision-making, and implementation stages of career development, and students will engage in experiential learning outside the classroom in their prospective fields of interest. This course is a tuition-waived, two-credit elective available only for TRiO program participants.

CE 105 The Successful Student **1 - 3 Credits**
The modularized course is designed to help students develop techniques and strategies to build learning skills that cross subject areas. The Successful Student Essay module prepares students to write basic organized essays used to answer essay exam questions and to demonstrate learning in non-composition courses. The Successful Student Online module prepares students to be successful when taking hybrid and fully online courses in Canvas. Finally, The Successful Math Student module helps students learn math study skills to be successful in all math courses at WWCC. NOTE: Credits are awarded based on the number of modules completed in the term.

CE 110 Learning Strategies for College **2 - 3 Credits**
Provides an overview of learning and motivation theories and methods that promote student success in the classroom. Empowers students to become active, responsible, and successful learners. Topics and techniques include: memory and learning, note taking, exam preparation and test anxiety, time management, goals clarification, learning style, concentration, self-awareness, financial literacy, and personal responsibility. Upon completion, students will demonstrate a clear understanding of the strategies required to meet their life goals. Co-requisite: Enrollment in at least one pre-college college-level course. Formerly PSY 100.

CE 114 Long-term Financial Planning and Continuing Education **1 Credit**
Course will provide the student with skills required for successful long-term financial planning. Students will become familiar with savings habits, influences on credit scores, capital planning, and other financial factors that will affect the individual in the long run. Students will learn the importance of retirement planning and the possibility of continuing education for self or potential children. Prerequisite: Must be fully enrolled in TRIO program and instructor permission.

CE 115 Personal and Family Budgeting **1 Credit**
Course covers budgeting and financial planning at the micro/personal level. It will teach students how to identify shortcomings in income vs. expenses, how to allocate available funds for self-sustainability, familiarize the individual with cost-cutting strategies, and teach credit, credit card, and checking account management. Prerequisite: Fully enrolled in TRIO program and instructor permission.

CE 120 Financial Literacy and College Costs **2 Credits**
Students will gain knowledge about personal financial management, including how to develop a personal financial plan and manage their resources. Topics include identifying beliefs about money, budgeting, strategies for minimizing and reducing debt, managing credit, navigating banking and insurance products, planning and funding major purchases (such as a car or a house), retirement and tax planning, and student loan management. Students will also examine college costs and the value of a college degree obtainment as it relates to local markets and the economy, as they create a plan to fund their education. The importance of submitting the FAFSA (Free Application for Federal Student Aid), how to search for other college funding and options for repayment of federal and private student loans will be presented. Required: Instructor Permission - TRIO participant.

CE 199 Special Topics **1 Credit**
Special Topics exploring readiness for, and, tasks associated with college enrollment, and success strategies once enrolled in college. Instructor Permission.

Collision Repair Technology

ABT 161 Auto Body Repair I **21 Credits**
Body shop safety, use of common hand tools, power tools, body hand tool operations, and body fasteners will be covered. Topics include the study of mild and high strength steel, sheet metal design, and collision damage analysis.

ABT 162 Auto Body Repair II **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 **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**
This course provides students the 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 **2 Credits**
Students explore issues related to their cooperative work experience focusing on effective workplace relationships and how self-knowledge, perception, attitudes, and behavior affect these relationships and job satisfaction. Students will also acquire effective learning skills for workplace and educational success. Co-requisite: ABT 191.

ABT 199 Special Topics **1 - 10 Credits**
Students will 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 **21 Credits**
Students will perform unibody and frame repair, the replacement of structural components, and body panel alignment.

ABT 265 Electrical Mechanical **21 Credits**
Students will perform repair of suspension and steering systems, brake systems, air conditioning systems, cooling systems, and drive trains. Fundamentals of electricity, reading of wiring diagrams, chassis wiring and repairs, repairing power windows, power seats, other accessory units, and restraint systems, and four wheel alignment and corrections will be covered.

ABT 266 Damage Estimating and Shop Operation **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.

Communication Studies

CMST 199 Special Topics **1 - 2 Credits**
Special Topics in Communications is 1-2 variable credits class to allow students the opportunity to engage in independent research or explore special interests and topics. Special topics in speech rhetoric and/or debate.

CMST 201 Intercultural Communication [C, D] **5 Credits**
Theory and practice of intercultural communication; understanding culture and cultural differences, both internationally and domestically, while working to develop the skills necessary to improve effective communication and relationships across cultures. Course taken prior to fall 2010 also accepted for diversity requirement. Formerly SPCH 201.

CMST& 210 Interpersonal Communications [C] **5 Credits**
Theory and practice of communication; understanding self and others while working to improve effective communication and conversation in one-on-one interactions in academic, professional and interpersonal settings. Formerly SPCH / CMST 102.

CMST& 220 Public Speaking [C] **5 Credits**
Developing competency in planning, preparing, presenting, and evaluating basic speeches (including impromptus, extemporaneous, informative, persuasive, special occasion and group presentations) with emphasis on critical and orderly thinking; using appropriate language, support and motivational appeals; handling speech anxiety; and assessing audiences. Formerly SPCH 101, Fundamentals of Speech.

Computer Science

CS 100 Basic Computer Skills **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, spread sheeting, email and correct file management. This is the same course as CS 101. Students cannot earn credit for both CS 100 & CS 101. Recommended: Keyboarding skills.

CS 101 Modular Introduction to Microcomputers **1 - 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, spread sheeting, email and correct file management. This is the same course as CS 100. Students cannot earn credit for both CS 100 & CS 101. Recommended: Keyboarding skills.

CS 104 Campus Computer Survival **2.0 Credits**
The introductory hands-on computer course is intended for, but not limited to new students at WWCC. It will provide the beginning student/computer user with an elementary understanding of computer use on our campus. This course will include: how to create degree audits, understanding degree requirements and transferability, how to purchase a computer and hardware, how to differentiate operating systems and software suites, protecting your data, how to set up and use school e-mail, how to use Canvas, and how to use the file management tools on the school's network.

CS 105 Intermediate Computer Concepts **5 Credits**
Provides computer user with an intermediate understanding of computer hardware, the operating system, software (including word processing, spread sheeting, dataset), file management, terminology, history, usage and ethics. Recommended: CS 100 (course intended for students who need additional training before CS 110).

CS 110 Introduction to Computers and Applications **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: Grade of B or higher in CS 100 and keyboarding skills. Student may not earn credit for both CS 110 and AGRI 108.

CS 115 Introduction to Computer & Information Technology **5 Credits**
Provides an in-depth study of computer technology including concepts, terminology, history, usage, ethics, hardware, and software. Keyboarding beneficial. Recommended: CS 100 with a grade of B or higher.

CS 120 Networking Using Internet Technologies **5 Credits**
Explore communications using Internet technologies, both wired and wireless media. Topics include the variety of access devices such as

cell phones, PDAs, laptops and desktop computers. Focus will be on access, personal security, browsing, file sharing, e-mail, and HTML (XML). Construction of a basic web page using HTML will close out course. Learn how ftp and http help move information.

CS 121 Problem Solving with Programming **5 Credits**
Introduction to structured problem solving and computer programming. Topics include logic, programming structure, data types, and problem solving skills. A visual environment will be used to practice programming concepts.

CS 125 A+ Certification (Software) **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: CS 115.

CS 130 A+ Certification (Hardware) **5 Credits**
Students will learn to add and remove components, build new systems, troubleshoot and repair hardware, and identify software issues. Prerequisite: CS 115.

CS& 131 Computer Science I C++ [Q] **5 Credits**
Introduction to computer science principles and concepts including algorithm, data structures, and C++ programming. Formerly CS 131. Prerequisite: Appropriate placement score or grade of C or higher in MATH 078, MATH 078E, or MATH 079. Recommended: CS 121.

CS 133 Computer Science I C# **5 Credits**
Introduction to computer science principles and concepts including algorithm, data structures, and C# programming. Prerequisite: Grade of C or higher in MATH 078E. Recommended: CS 121.

CS 140 JavaScript I **5 Credits**
This course prepares a student for the JavaScript Specialist Certification Exam. Topics include Use JavaScript statements to control program flow, the use of JavaScript Document Object Model (DOM). Using JavaScript language objects and create expressions, using JavaScript to develop interactive XHTML forms.

CS& 141 Computer Science I JAVA **5 Credits**
Introduction to programming in the Java programming languages. Topics include structured programming concepts, functions, arrays and pointers, and object oriented concepts. Formerly CS 141. Recommended: CS 121.

CS 142 Perl Programming **5 Credits**
Perl Specialist CIW curriculum teaches students how to fully utilize the Perl programming language. Students learn the Perl syntax, the basics of using regular expression, how to use Perl data types, and how to access and manipulate files. Students are also introduced to database connectivity and debugging techniques.

CS 191 Cooperative Work Experience **1 - 5 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.

CS 192 Cooperative Seminar **1 - 3 Credits**
Explore issues related to their cooperative work experience focusing on effective workplace relationships. Students will learn leadership skills, resume skills, cover letters and interview techniques.

CS 224 Computer Illustration (Illustrator) **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: CS 220.

CS 225 Digital Design from a Gaming Perspective **5 Credits**
Observe popular commercial game title and attempt to identify the factors that facilitate elements that are interesting from a learning perspective. Focusing on the digital construction of game backgrounds. Students will create their own game as a final project.

CS 226 Web Design Specialist I **5 Credits**
The Web Design Specialist course is an introduction to Web page design and development. Addresses issues concerning design and publishing Web sites. Including Web Site Development Essentials (such as the site development process, customer expectations, and ethical and legal issues in Web development), Web Design Elements (such as aesthetics, the site user's experience, navigation, usability and accessibility).

CS 227 Web Design Specialist II **5 Credits**
The Web Design Specialist II course teaches basic Web technologies (such as basic Hypertext Markup Language [HTML], Extensible HTML [XHTML] also students will work with popular production tools such as Microsoft Expression Web, and Adobe Dreamweaver.

CS 228 Website Design Specialist III **5 Credits**
Designed to give proficiency in designing website utilizing: website templates, forms, rollovers, and basic animations and database-driven pages.

CS 229 Dynamic Website Design with PHP MySQL **5 Credits**
Provides knowledge and real-world applications about building interactive web sites. Students will learn how to build ecommerce interactive websites. Languages will include but will not be limited to: PHP, JSP and ASP.NET.

CS 230 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: CS 121.

CS 231 Capstone Application Development I **5 Credits**
Study of advanced word processing procedures and techniques using a case-study, project-based approach.

CS 232 Capstone Application Development II **5 Credits**
Use and investigate new software used by industry. Special attention will be given to software applications and operation. Students will develop and present a final project by developing a software systems analysis, creating an end product, with documented output, or system training and training materials. Students will also research relevant related specific topics and debate uses of different applications and computing issues.

CS 233 ASP.Net Programming **5 Credits**
This course is designed to give students essential skills for ASP.Net programming to develop web applications. Topics include: designing, coding, and testing ASP.Net programming, validate data, secure pages, create user friendly web apps. Strongly recommend: CS 121 and CS 131.

CS 235 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: CS 110.

CS 240 JavaScript II **5 Credits**
CS 240 is the second language in a series of two courses designed to give students an extension of the current language and an introduction and implementation of data structures including queues, stacks, trees and graphs, using the current programming language. Topics include iterative and recursive implementations. Prerequisite: Appropriate placement score or grade of C or higher in CS 140, and a grade of C or higher in MATH 078, MATH 078E, or MATH 079. Recommended: CS 121.

CS 241 Programming II (JAVA/C++) **5 Credits**
Introduction and implementation of data structures including queues, stacks, trees and linked lists, using the Java or C++ programming language. Topics include iterative and recursive uses in sorting and searching routines.

CS 244 Introduction to Dev Ops **5 Credits**
This course is designed to give students an introduction to the tasks and workflows used to manage and maintain software products throughout their life cycle. Topics include logging, metrics and monitoring, continuous integration, continuous delivery, source control, build pipelines, testing and automation. Strongly recommended: CS 235 and CS 240.

CS 245 Advanced Database Development **5 Credits**
Advanced study of database construction and operation. Topics include filtering, customized menus, and an introduction to programming. Recommended: CS 121.

CS 246 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.

CS 250 Site Development Associate HTML V **5 Credits**
The Site Development Associate course teaches students essential Web page development skills. This course teaches students to develop Web sites using HTML5 and CSS. Students learn to write code manually, as well as use graphical user interface (GUI) authoring tools. They also insert images, create hyperlinks, and add tables, forms, video and audio to Web pages, as well as use HTML5 Application Programming Interfaces (APIs) to extend the functionality of Web pages. Other topics include validating HTML code, recognizing the importance of search engine optimization (SEO), using style sheets extensively to format Web page content, and implementing fundamental design concepts. Throughout the course, students learn how Web sites are developed as managed projects. They also identify e-commerce solutions and relate Web site development to business goals.

CS 251 HTML/CSS **5 Credits**
The Interface Design course is an introduction to Web page design and development. This course focuses on the point of contact between the user and a system. Addresses aesthetics, user experience, user behavior, navigation, function, and accessibility. Students practice developing and redeveloping various user interfaces as feedback informs design decisions.

CS 252 User Experience (UX) **5 Credits**
This course provides a hands-on introduction 1o the process of User Experience (UX.) Students will conduct interviews and observations and evaluate systems through the lens of good design. Students will practice the process by applying it to a real-world micro-research project. This will include: developing a strategy to address an inherently ill-defined problem, practicing problem definition, and presenting findings and possible solutions to community members.

CS 260 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: CS 125.

CS 261 PC Technician Lab **1 - 10 Credits**
This course prepares students to take the CompTIA A+ and Microsoft Certified Professional exams. In conjunction with CS 125 and CS 30 this course prepares students for the Microsoft Certified System Engineer (MSCE) exam. Students will learn to add and remove components, build new systems, troubleshoot and repair hardware, and identify software issues. Prerequisite: Instructor permission, CS 115. Recommended: CS 125 and CS 130.

CS 265 Introduction to Networking **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 course will will prepare students for the ComTIA Network+ Certification. Recommended courses CS 125 and CS 130 or A+ certification.

CS 266 Routing and Switching I **5 Credits**
Introduction to the configuration of Cisco routers and switches using the IOS operating system. This course in conjunction with CS 267, Routing and Switching II, prepares students to pass the CCNA certification. This course is aimed at the ICND1 part of CCNA certification. Recommended course: CS 265 Introduction to Networking.

CS 267 Routing and Switching II **5 Credits**
In-depth coverage of the configuration and troubleshooting of Cisco routers in enterprise-wide networks. This course in conjunction with CS 266 Routing and Switching I prepares students to pass the CCNA certification. This course is aimed at the ICND2 part of CCNA certification. Prerequisite course: CS 266 Routing and Switching I.

CS 268 CCNA 4 **5 Credits**
The second part of a two-course series on the configuration and troubleshooting of Cisco routers in enterprise-wide networks.

CS 275 Windows Client **5 Credits**
Overview of the past, present and future Microsoft Operating Systems, including the latest operating systems. Students will learn to install and customize the Windows environment. Other topics include file

management, how to use hidden utilities, memory management to speed performance, registry configuration, partial and full back up of operating system and files, and a look at 3rd party tools to maximize the windows experience. Students will receive their own licensed copy of XP Professional and Vista to use at home. Recommended: CS 110.

CS 276 Windows Server **5 Credits**
Introduction to the management of a Windows Server. 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.

CS 277 Fund 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.

CS 278 Windows Server Infrastructure **5 Credits**
Windows Server 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.

CS 279 Penetration Testing & Ethical Hacking **5 Credits**
Students will learn how to exploit networks in the manner of an attacker in order to find out how to protect networks and personal systems from them. Students will learn through lectures and hands-on labs a baseline knowledge of security threats, risks, and countermeasures. At the end of the course, a successful student will have knowledge and experience enough to take the Certified Ethical Hacker (CEH) exam. Pre-requisite CS 265 Introduction to Networking or Instructor Permission.

CS 280 Novell SUSE Server **5 Credits**
Provides experience in designing and building a local area network. Includes installation of the NOS (SUSE Linux), user accounts groups, security, application software, printers, menus, and accounting.

CS 290 Systems Analysis and Design (Critical Thinking) **5 Credits**
Apply problem-solving, system analysis, and rapid application development techniques to design appropriate hardware/software solutions to meet various end user requirements. Recommended: CS 121.

CS 291 Cooperative Work Experience II **1 - 5 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.

CS 292 Cooperative Seminar II **1 - 3 Credits**
Students explore issues related to their cooperative work experience focusing on effective workplace relationships.

CS 297 Special Projects **1 - 5 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.

CS 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 **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, permanent waves and hair color. Emphasizes safety and first aid in all instruction. Prerequisite: Instructor permission.

BARB 111 Principles and Procedures of Barbering I **10 Credits**
Introduction and overview of all aspects of barbering. Topics include bacteriology, sanitation, sterilization, draping, shampooing, scissor cuts, razor cuts, clipper cuts, facial shaving, beard and mustache design, hair styling, hair structure, and safety.

COSM 112 Practical Application I **7 Credits**
Introduction to the basic services of cosmetology. Practice in basic shampoos, rinses, haircuts, trimming, finger wave, roller, pin curl, manicuring, basic permanent wave, four different types of perms, introduction to color, and safety/sanitation. Prerequisite: Instructor permission.

BARB 112 Practical Application I **7 Credits**
Introduction to the basic services of barbering. Practice in basic shampoos, haircuts, trimming facial hair, hair styling, facial shaving, artificial hair, safety, and sanitation. Instructor permission is required.

COSM 121 Principles and Procedures of Cosmetology II **11 Credits**
Introduction to basic services of cosmetology. Topics include introduction to hair coloring and lightening, scalp treatments and hair analysis, diseases and disorders of skin and scalp, skin care, trimming of facial hair (including beard and mustache, eyebrow, ear and nose hair trim), dry styling, and first aid. Emphasizes safety and sanitation measures in all instruction. Prerequisite: COSM 111.

BARB 121 Principles and Procedures of Barbering II **10 Credits**
Continued learning of all aspects of barbering. Topics include bacteriology, sanitation, sterilization, draping, anatomy, shampooing, scissor cuts, razor cuts, clipper cuts, facial shaving, beard and mustache design, hair styling, hair structure, artificial hair, and safety. Prerequisite: BARB 111.

COSM 122 Practical Application II **7 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 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 lab area provided for patrons. Prerequisite: COSM 112.

BARB 122 Practical Application II **7 Credits**
Continued practice of the basic services of barbering, while taking clients on the lab floor. Practice in shampoos, haircuts, trimming facial hair, hair styling, facial shaving, artificial hair, safety, and sanitation. Prerequisite: BARB 112.

COSM 131 Intermediate Principles and Procedures I **11 Credits**
Intermediate instruction in hair coloring (dimensional), nail diseases/ disorders, nail repair, styling aids, safety and sanitation, hair lightening and bleaching, blow drying, chemical relaxing, with an emphasis on safety and sanitation to be included in all instruction. Prerequisite: COSM 121.

BARB 131 Principles and Procedures of Barbering III **10 Credits**
Continued learning of advanced aspects of barbering. Topics include bacteriology, sanitation, sterilization, draping, anatomy, shampooing, scissor cuts, razor cuts, clipper cuts, facial shaving, beard and mustache design, hair styling, hair structure, artificial hair, and safety. Prerequisite: BARB 121.

COSM 132 Practical Application III **7 Credits**
Continued work to complete the required levels of performance, hour and quarter requirements, and safety/sanitation measures. Prerequisite: COSM 122.

BARB 132 Practical Application III **7 Credits**
Continued practice of the advanced services of barbering, while taking clients on the lab floor. Practice in shampoos, haircuts, trimming facial hair, hair styling, facial shaving, artificial hair, safety, and sanitation. Prerequisite: BARB 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 **11 Credits**
In-depth study of the hair structure, diseases and disorders, skin care compresses, safety, bones, nerves and muscles of face and scalp, pedicures, and exam review book. Prerequisite: COSM 131.

COSM 242 Practical Application IV **7 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. Prerequisite: COSM 132.

COSM 251 Advanced Principles and Procedures I **11 Credits**
Advanced work in the cosmetology program. Topics include skin care -including disease & disorders, artificial hair, chemical relaxing, hair pressing, safety, superfluous hair removal, pH value - the basic chemistry, and complete review, including safety and sanitation. Prerequisite: COSM 241.

COSM 252 Practical Application V **7 Credits**
Continue to independently and safely practice cosmetology methods at level IV. This course is designed to allow students complete the remainder of the degree requirement of 1600 hours and five quarters plus one summer quarter, as required by state law and WWCC respectively. Prerequisite: COSM 242.

COSM 270 Practical Application VI **9 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 252.

BARB 270 Practical Application IV **4 Credits**
Work on the clinic floor to complete the required number of hours by the state of Washington. Continued work on service requirements while becoming job ready. With the completion of requirements and instructor's permission, remaining hours may be completed on a job internship. Prerequisite BARB 131 and BARB 132.

COSM 281 Cadet Instructor Training **1 - 20 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 and Job Seeking Skills **4 Credits**
Encourage students to develop awareness of their leadership potential and abilities through small group discussions and assumption of leadership roles and responsibilities. Students will gain knowledge and skills needed to be effective, successful job applicants within the Cosmetology and Barbering industries. 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, conflict resolution, and managing stress.

Criminal Justice

CJ& 101 Introduction to Criminal Justice [SS] **5 Credits**
This course provides an overview of the criminal justice system, including law enforcement, the courts, corrections, juvenile justice, and current issues. This course examines the Constitutional requirement, historical developments, different agencies, processes and theories of the criminal justice system. Emphasis is placed on how the various systems interrelate and interact with each other to attain the goal of an equitable delivery crime-related public service. Recommended: READ 088. Formerly CJ 101.

CJ 102 Applied Skills in Criminal Justice **5 Credits**
This course presents a practical approach to the fundamental organization of the criminal justice system with particular emphasis on job skills, academic proficiency, practical writing, and communication. This course investigates past and present facets of the criminal justice system (law enforcement, courts, and corrections), emphasizing their procedures and complex interrelationships. The aim of this course is to provide students with applied knowledge and practical necessary for successful employment in the field of criminal justice. Recommended: READ 088.

CJ 104 Introduction to Policing **5 Credits**
This course examines the role of policing in modern society with specific emphasis on theory and practice. Police structure, culture, basic procedures and operations are evaluated, as well as the significance of discretion, ethics, biases, and philosophies in contemporary policing. This course identifies challenges in law enforcement, including the political, social, organizational and legal environments in which the police perform their roles. Recommended: READ 088.

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. Formerly CJ 105. Recommended: READ 088.

CJ& 106 Juvenile Justice [SS] **5 Credits**
This course will cover the history and philosophy of juvenile justice in America and the impact of societal reforms on the juvenile justice system. Multiple theories of delinquency will be discussed, as well as how society's response to criminal behavior influenced the development, construction, and implementation of juvenile justice laws, policies, and programs. Recommended: READ 088.

CJ& 110 Criminal Law [SS] **5 Credits**
This course is an introduction to the study of criminal law in the United States and will review the difference between crimes against property, crimes against public, and crimes against a person. This course will study the various mental states required for criminal responsibility and defenses used in a criminal trial, along with definitions, classifications, elements, and penalties of crime and criminal responsibility. Formerly CJ 103, Intro to Criminal Law. Recommended: READ 088.

CJ& 112 Criminology [SS] **5 Credits**
Criminology is the scientific study of crime, criminal behavior, and the law. This course covers crime theories, typologies, patterns, correlates, and statistics, as well as the public's perceptions and relations to criminal behavior. Recommended: READ 088. Formerly CJ 106, Criminology.

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. Recommended: READ 088 or higher.

CJ& 240 Forensic Science [SS] **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. Formerly CJ 205. Recommended: READ 088.

Culinary Arts

CA 110 ServSafe **2 Credits**
Introduction to food production policies focusing 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.

CA 111 Storeroom Operations **3 Credits**
This course provides an introduction to the operations and the fundamentals of organizing a food service storeroom. Students identify the various food products, which are used in a commercial kitchen. Common math principles pertaining to the professional kitchen will be practiced. Prerequisite: Instructor Permission.

CA 112 Introduction to the Culinary Principles **8 Credits**
Develop basic skills and apply the principles of food safety and sanitation. Classical knife skills are practiced along with basic techniques for butchery of meats and seafood. Learn the techniques and derivatives of classical and contemporary soups, stocks, and sauces. Explore the basics of vegetable, starch, and egg cookery. Prerequisite: Instructor permission.

CA 120 Culinary Arts Methods **10 Credits**
Develop basic skills and apply the principles of food safety and sanitation, workplace safety, food preparation, and cooking methodologies in a kitchen lab setting. Produce food products through various moist and dry heat cooking methods. Learn healthy techniques and cooking methods for a variety of dishes. Practice techniques for appetizers, salads, entrees, and desserts.

CA 121 Kitchen Lab **4 Credits**
This course is designed to introduce students to foodservice production. Students are encouraged to apply the skills and knowledge they will learn and have acquired in subsequent courses toward standards in present day food service industry production. They will practice basic culinary principles plus safety and sanitation procedures. Prerequisite: CA 120

CA 122 Introduction to Food and Culture **4 Credits**
Explore the relationship between food and culture. Students examine the questions of what, when, and where we eat in the context of our cultural systems. Examination of culinary arts in context with the global food supply. This course provides an introduction to the hospitality and culinary arts profession through the history, terminology, and current career options. We study the impact on food choices and selection by working chefs within the food service industry related to food sustainability issues, ethics, ecology, and farming techniques.

CA 130 Professional Baking **10 Credits**
The Professional Baking course is an introduction to modern day professional baking and pastry arts. The course provides the theoretical and technical foundation for the modern baker, covers kitchen safety and sanitation, tools and equipment, and weights and measures. Students will use basic ingredients and mixing methods while preparing simple yeast breads, quick breads, cookies, Danish, croissants and puff pastry.

CA 131 Advanced Baking and Pastry **5 Credits**
Building on information and skills developed in Introduction to Baking, this course will provide students with a thorough understanding of advanced baking techniques. Artisan breads, including sour dough, baguettes, and ciabatta will be covered, as well as proper preparation of Danish, Croissant, puff dough, petit fours and strudel. Prerequisite: CA 130.

CA 132 Plated Desserts **2 Credits**
Examination of various methods for the design and plating of individual desserts. Students will learn techniques to enhance plate presentations, combine plating elements and balance flavors to reveal contemporary approaches to dessert service. Prerequisite: CA 131.

CA 133 Food, Wine & Beverage Pairing **3 Credits**
Course work focuses on understanding the flavor components of different wines/fermented beverages and their compatibility with various food offerings. Students learn about tasting through an examination of different foods and beverages. Students will practice menu development and food pairing in class exercises. This class is open to students under the age of 21 and students who do not drink alcoholic beverages.

CA 191 Cooperative Work Experience I **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. Co-requisite: CA 192.

CA 192 Cooperative Seminar I **2 Credits**
Students explore issues related to their cooperative work experience focusing on 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. Co-requisite: CA 191.

CA 195 Special Events **1 - 4 Credits**
Students participate in hands-on, catering production for community events that are established through the culinary arts program. These events will include Food Truck opportunities, buffet, and banquet style events for community organization fundraisers to multi-course wine maker dinners.

CA 240 World Cuisines **5 Credits**
In this overview class, we will follow the spice trade routes around the world. Students will explore how these early travelers influenced cuisines with new ingredients and cooking methods as they searched for coveted spices. Additionally, you will investigate classical dishes from Asia, Middle East, Europe, Caribbean, to Mesoamerica. Special emphasis is focused on indigenous ingredients and how these became prized worldwide.

CA 241 Asian Cooking **4 Credits**
Students will become familiar with the operational, marketing, and managerial aspects of restaurant management with an emphasis on menu development and service management. Analysis of menu evolution for food service operations will be discussed as well as an introduction to basic table service. Prerequisite: CA 120.

CA 242 Nutritional Cooking **4 Credits**
In this overview class, we will follow the spice trade routes around the world. Students will explore how these early travelers influenced cuisines with new ingredients and cooking methods as they searched for coveted spices. Additionally, you will investigate classical dishes from Asia, Middle East, Europe, Caribbean, to Mesoamerica. Special emphasis is focused on indigenous ingredients and how these became prized worldwide. Prerequisite: CA 120.

CA 243 Restaurant Management **3 Credits**
Students will become familiar with the operational, marketing, and on menu development and service management. Analysis of menu recommendations, additional information, and instructor permission) managerial aspects of restaurant management with an emphasis evolution for food service operations will be discussed as well as an introduction to basic table service.

CA 250 Garde Manger **5 Credits**
Students apply preservation techniques of "The Cold Kitchen" with fine dining, buffet, and catering applications in mind. Extensive exploration of appetizer construction includes canapÃ©s, charcuterie, plating, and buffet design. Various curing, brining, and smoking techniques are covered in the production of cured meat and seafood products. Emphasis is placed on aesthetics and uniformity for large batch production.

CA 251 Latin American Cooking **2 Credits**
Practice techniques for appetizers, salads, desserts, breadings, batters, smoked, roasted and fried foods in the context of regional Mexico and other Central American countries, exploring regional variations, food ingredients and the impact of culture, geography and ethnicity on regional cooking styles. Prerequisite: CA 120

CA 252 Culinary Trends and Concepts **2 Credits**
Practice techniques of sous vide, molecular astronomy and food for photography. Prerequisite: CA 120.

CA 260 A La Carte I **10 Credits**
Students develop basic skills and apply the principles of a la carte cooking for the restaurant. Students learn to follow recipes for menu consistency, communicate ingredient needs, and prepare par levels for their stations to support the menu of a functioning restaurant. As they work through each station, each student is responsible for one dish with consideration to seasonality, price point, and demographic of our guests.

CA 261 A la Carte II **10 Credits**
In this course, students are refining the principles from A La Carte I. In this hands on class, students work in a Fine Dining restaurant setting. In this functioning restaurant, students are responsible for creating a weekly tasting menu, ordering the food, cost out the recipe, and prepare par levels of products to support each menu. We will explore industry trends with regards to ingredients, cooking techniques, and plating aesthetics. Social media and food photography will play a role as students work through each station in the kitchen.

CA 262 Service Management **4 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. Co-requisite: CA 260 & CA 261.

CA 292 Cooperative Seminar II **2 Credits**
Students participate in hands-on, catering production for community events that are established through the culinary arts program. These events will include Food Truck opportunities, buffet, and banquet style events for community organization fundraisers to multi-course wine maker dinners.

Diesel Technology

DT 151 Shop Fundamentals/Forklift Training **9 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 Equipment Mechanics. Prerequisite: Instructor Permission.

DT 162 Machinery Repair I **10 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. This class will emphasize ASE/NATEF competency completion. Students must be seeking a certificate or degree in Diesel Equipment Mechanics.

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 Equipment Mechanics.

DT 180 Suspension and Alignment **5 Credits**
Study of suspensions as found on medium and heavy duty vehicles. Alignment of axles and wheels is also covered. Topics include alignment principles and terminology, spring suspensions, air suspensions, beam suspensions, tire wear identification, and wheel safety. This class will emphasize ASE/NATEF competency completion. Students must be seeking a degree or certificate in Diesel Equipment Mechanics.

DT 181 Engines I **14 Credits**
In-depth study of diesel engines, including theory of operation, testing and rebuilding. Students must be seeking a certificate or degree in Diesel Equipment Mechanics. Prerequisite: Instructor permission.

DT 183 Electronics I **5 Credits**
Theory, troubleshooting, and repair of electrical systems are covered. Topics include charging, starting, ignition, and accessory electrical systems. Students must be seeking a certificate or degree in Diesel Equipment Mechanics.

DT 185 Drive Trains **5 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. This class will emphasize ASE/NATEF competency completion. Students must be seeking a certificate or degree in Diesel Equipment Mechanics.

DT 186 Advanced Mechanics **1 - 10 Credits**
Study of specialized machinery. Study and skill gained through working on specialized equipment such as farm equipment, logging equipment, trucks, and heavy equipment. This class will emphasize ASE/NATEF competency completion. Prerequisite: Instructor permission.

DT 187 Heating and Air Conditioning **5 Credits**
Heating and air conditioning on medium and heavy duty vehicles. Topics include theory, components, refrigerants, servicing and troubleshooting. Students must be seeking a degree or certificate in Diesel Equipment Mechanics.

DT 189 Preventive Maintenance **5 Credits**
Study of preventive maintenance on medium and heavy duty vehicles. Topics include truck classifications, P.M. programs, out of service criteria, wheels and rims, frame and cross-members, trailer maintenance, and coupling devices. Students must be seeking a degree or certificate in Diesel Equipment Mechanics.

DT 191 Cooperative Work Experience **12 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. This class will emphasize ASE/NATEF competency completion. Prerequisite: Instructor permission.

DT 192 Cooperative Seminar **2 Credits**
Students explore issues related to their cooperative work experience focusing on 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. 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 Equipment Mechanics and be seeking a certificate or degree in Diesel Equipment Mechanics.

DT 267 Advanced Equipment Repair II **10 Credits**
On-campus job shop experience. This class will emphasize ASE/NATEF competency completion. 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 Equipment Mechanics and be seeking a certificate or degree in Diesel Equipment Mechanics.

DT 268 Advanced Equipment Repair III **1 - 20 Credits**
On-campus job shop experience. Must have completed at least two quarters of Diesel Equipment Mechanics and be seeking a certificate or degree in Diesel Equipment Mechanics.

DT 280 Brakes and Air Systems **5 Credits**
An in-depth study of air and hydraulic brake systems as found on medium and heavy duty vehicles. Topics include air and hydraulic systems, air drum brakes, air disc brakes, hydraulic drum brakes, hydraulic disc brakes, air system schematics, air valves and controls, air compressors and driers, troubleshooting and repair of brake systems. Students must be seeking a degree or certificate in Diesel Equipment Mechanics.

DT 281 Engines Advanced **5 Credits**
A detailed study and analysis of mechanical and electronic diesel injection systems. This class will emphasize ASE/NATEF competency completion. Students must be seeking a degree or certificate in Diesel Equipment Mechanics.

DT 283 Electronics II **5 Credits**
A study in medium and heavy duty vehicle electrical systems. Topics include electronic signals, microprocessors, integrated circuits, connector and terminal identification and repair, and multiplex systems. This class will emphasize ASE/NATEF competency completion. Students must be seeking a degree or certificate in Diesel Equipment Mechanics.

DT 284 Hydraulics **5 Credits**
A study of hydraulic systems as found on mobile equipment. Course 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 Equipment Mechanics.

DT 292 Leadership Seminar **2 Credits**
This course explores issues related to the cooperative work experience focusing on effective workplace relationships and applying leadership skills to promote personal development. Provides professional improvement through techniques such as effective communication, conflict resolution, team building, employee engagement, and decision making.

DT 297 Special Projects **1 - 15 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.

Drama

DRMA& 101 Introduction to Theatre [H] **5 Credits**
Introduction to 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. Formerly THEA 101, Theatre Appreciation.

DRMA 151 Beginning Acting I [HP] **3 Credits**
Introduction to acting techniques and beginning characterization through improvisation. Student required to furnish personal rehearsal clothes. Formerly THEA 151.

DRMA 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. Prerequisite: DRMA 151 or instructor permission. Formerly THEA 152.

DRMA 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. Prerequisite: DRMA 152 or instructor permission. Formerly THEA 153.

DRMA 190 Play Production I **1 - 5 Credits**
Applied study in acting, stage lighting and costume construction using current productions as lab situations. Prerequisite: Instructor permission. Formerly THEA 190.

DRMA 191 Play Production II **1 - 5 Credits**
Applied study in acting, stage lighting and costume construction using current productions as lab situations. Prerequisite: Instructor permission. Formerly THEA 191.

DRMA 192 Play Production III **1 - 5 Credits**
Applied study in acting, stage lighting and costume construction using current productions as lab situations. Prerequisite: Instructor permission. Formerly THEA 192.

DRMA 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. Formerly THEA 225.

DRMA 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: DRMA 153 or instructor permission. Formerly THEA 251.

DRMA 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: DRMA 251 or instructor permission. Formerly THEA 252.

DRMA 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: DRMA 252 or instructor permission. Formerly THEA 253.

DRMA 281 Beginning Playwriting [D, H] **5 Credits**
Focuses on the composition, drafting, revising, and performing of original play scripts. Besides studying, applying, and performing dramatic structure in student generated scripts, students will also develop critical thinking skills through the analysis of plays selected from the history of world drama. This class will also explore the diverse voices, issues, and cultures of theatre history. Recommended: ENGL& 101, DRMA& 101, DRMA 151, or CMST& 220.

DRMA 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. Prerequisite: Instructor permission. Formerly THEA 290.

DRMA 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. Prerequisite: Instructor permission. Formerly THEA 291.

DRMA 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. Prerequisite: Instructor permission. Formerly THEA 292.

DRMA 298 Special Topics **1 Credit**
Project-oriented experiences in the area or applications not covered in the standard theatre arts curriculum. Prerequisite: Instructor permission, based on evaluation of student's education and work experience. Formerly THEA 298.

DRMA 299 Special Projects **1 - 5 Credits**
For students interested in working on projects in design, acting, directing, stage management, playwriting, etc. Prerequisite: Instructor permission. Formerly THEA 299.

Early Childhood Education

ECED& 100 Child Care Basics **3 Credits**
This course is designed to meet licensing requirements for early learning lead teachers and family home child care providers, STARS 30 hour basics course recognized in the MERIT system. Topics: child growth/development, cultural responsiveness, community resources, guidance, health/safety/nutrition and professional practices.

ECED& 105 Intro Early Child Ed **5 Credits**
Explore the foundations of early childhood education. Examine theories defining the field, issues and trends, best practices, and program models. Observe children, professionals, and programs in action.

ECED& 107 Health/Safety/Nutrition **5 Credits**
Introduction to implementation of equitable health, safety and nutrition standards for the growing child in group care. Focus on federal Child Care Block Grant funding (CCDF) requirements, WA state licensing and Head Start Performance standards. Develop skills necessary to keep children health & safe, report abuse & neglect, and connect families to community resources.

ECED& 120 Practicum-Nurturing Rel **2 Credits**
In an early learning setting apply best practice for engaging in nurturing relationships with children. Focus on keeping children healthy and safe while promoting growth and development, and creating a culturally responsive environment.

ECED& 132 Infants/Toddlers Care **3 Credits**
Examine the unique developmental needs of infants and toddlers. Study the role of the caregiver, relationships with families, developmentally appropriate practices, nurturing environments for infants and toddlers, and culturally relevant care.

ECED& 134 Family Child Care **3 Credits**
Learn the basics of home/family child care program management. Topics include: licensing requirements; business management; relationship building; health, safety, & nutrition; guiding behavior and; promoting growth & development.

ECED& 138 Home Visitor/Family Engagement **3 Credits**
Plan and provide home visits and group activities that promote secure parent-child relationships and support families to provide high-quality early learning experiences that are embedded in everyday routines and experiences.

ECED& 139 Admin Early Lrng Prog **3 Credits**
Develop administrative skills required to develop, operate, manage and improve early childhood education and care programs. Acquire basic business management skills. Explore resources and supports for meeting Washington State licensing and professional NAEYC standards.

ECE 144 Early Childhood Education **.5 - 2 Credits**
Special topics in Early Childhood Education, may include seminars and workshops.

ECE 150 Math and Science for Early Childhood **5 Credits**
Focus on math and science for preschool and primary grade children. Students will learn how to create developmentally appropriate curriculum that will support young children in acquiring concepts and skills essential to basic understanding of math and science. Classroom activities will be introduced and concepts studied through inquiry based learning, note taking and discussion sessions. Recommended: READ 088

ECED& 160 Curriculum Development **5 Credits**
Plan and provide home visits and group activities that promote secure parent-child relationships and support families to provide high-quality early learning experiences that are embedded in everyday routines and experiences.

ECED& 170 Environments-Young Child **3 Credits**
This class focuses on the adult's role in designing, evaluating, and improving indoor and outdoor environments that ensure quality learning, nurturing experiences, and optimize the development of young children.

ECED& 180 Lang/ Literacy Develop **3 Credits**
Teaching strategies for language acquisition and literacy skill development examined at each developmental stage (birth-age 8) through the four interrelated areas of speaking, listening, writing, and reading.

ECED& 190 Observation/Assessment **3 Credits**
Collect and record observation of and assessment data in order to plan for and support the child, the family, the group and the community. Practice reflection techniques, summarizing conclusions and communicating findings.

ECE 191 Cooperative Work Experience **1 - 3 Credits**
Provides hands-on experience in the early childhood field. This formal training period is agreed upon hy the student, employer, and instructor. Instructor permission required.

ECE 232 The Arts in Early Childhood **5 Credits**
This course addresses the creative arts process in art, drama, literature, music, and movement for students preparing to work with young children. Students will learn to design arts curricula based on developmentally appropriate practice, learning theory and learning standards. Students will be introduced to creative art experiences for young children and activities that assist in the development of a young child's creativity, and overall development.

ECE 239 Teaching Young Children - Capstone **3 Credits**
This course is designed as a capstone for the Early Childhood Education program. Students will explore concepts of developmentally appropriate practice and professional ethics. They will develop practical job-seeking skills in the field of early childhood education. Students will integrate and apply their knowledge of young children and developmentally appropriate practices by designing an early childhood program. Prerequisite: Instructor permission.

ECE 255 Children at Risk **1 - 3 Credits**
Methods of teaching dysregulated children. Focus on Adverse Childhood Experiences, resilience, brain development, child development, stress, and empowering children with self-regulation skills.

ECE 291 Cooperative Work Experience II **1 - 3 Credits**
Opportunity to participate in hands-on training in the early childhood field. This formal training period is agreed upon by the student, employer, and.instructor. Instructor permission required.

Early Childhood Parenting Education

ECPE 040 Baby and You I **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 class with their infant.

ECPE 041 Baby and You II **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 class with their infant.

ECPE 042 Baby and You III **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 class with their infant.

ECPE 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.

ECPE 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.

ECPE 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.

ECPE 053 TOT SPOT **1 - 3 Credits**
This parent education course provides an opportunity to discuss and study relevant parenting topics. 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.

ECPE 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.

ECPE 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.

ECPE 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.

ECPE 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.

ECPE 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.

ECPE 100 Parent Cooperative Preschool **1.0 - 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.

ECPE 101 Parent Cooperative Preschool **1 - 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.

ECPE 102 Parent Cooperative Preschool **1 - 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.

ECPE 110 Parent/Child Explorations in Art & Nature **2 Credits**
Participation experience for parents with an emphasis placed on

creating developmentally appropriate art and nature experiences through hands on exploration. Parents enroll and attend with their children. Observation and interaction with children ages two to five-years-old provided through laboratory experience.

ECPE 111 Bringing Baby Home **1.2 Credits**
Bringing Baby Home is a research-based workshop developed by renowned relationship and parenting experts, Drs. John and Julie Gottman.

ECPE 112 Parenting the Love & Logic Way **1.2 Credits**
Parenting with Love and Logic is a philosophy of raising and teaching children, founded by Jim Fay and Foster W. Cline, M.D. Love and Logic is a way of working with children that puts parents and teachers back in control, teaches children to be responsible, and prepares young people to live in the real world, with its many choices and consequences.

ECPE 140 Parent Education and Involvement **1 - 5 Credits**
Parenting classes for students who are parents of children from birth to age five or from age six to twelve. This course will include video modules and group discussion about positive ways to parent young children.

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 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. This course is not a prerequisite for ECON& 202: Macroeconomics. Student may not earn credit for both ECON& 201 and AGRI 201. Formerly ECON 202, Fundamentals of Microeconomics.

ECON& 202 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. Formerly ECON 201, Fundamentals of Macroeconomics.

Education

EDUC& 101 Paraeducator Basics **3 Credits**
An introduction to roles and responsibilities of the Paraeducator in the K-12 educational system. Students will explore techniques supporting instruction, professional and ethical practices, positive and safe learning environments, effective communication and teamwork.

EDUC 111 Teaching and Learning Lab **1 - 3 Credits**
Designed for future teachers and those pursing a degree in education related field. Students will volunteer in a school setting to satisfy entry requirements of Teacher Education Program at four-year institutions. Students must volunteer 30 hours per credit. Prerequisite: EDUC& 202 or instructor permission. Recommended: READ 088.

EDUC& 115 Child Development **5 Credits**
Collect and record observation and assessment date in order to plan for and support the child, the family, the group, and the community. Practice reflection techniques, summarizing conclusions, and communicating findings.

EDUC& 130 Guiding Behavior **3 Credits**
Examine the principles and theories promoting social competence in young children and creating safe learning environments. Develop skills promoting effective interactions, providing positive individual guidance, and enhancing group experiences.

EDUC& 136 School Age Care **3 Credits**
Develop skills to provide developmentally appropriate and culturally relevant activities/care for children ages 5-12 in a variety of settings. Topics include: implementation of curriculum, preparation of environments, building relationships, guiding cognitive and social emotional development, and community outreach.

EDUC& 150 Child/Family/Community **3 Credits**
Integrate the family and community contexts in which a child develops. Explore cultures and demographics of families in society, community resources, strategies for involving families in the education of their child, and tools for effective communication.

EDUC& 202 Intro to Education [SS] **5 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. Formerly ED 110, Introduction to Education.

EDUC& 203 Exceptional Child **3 Credits**
Explore 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 EDUC& 203 and ECE 155. Formerly ED 155, Introduction to Exceptional Student.

Energy Systems Technology

EST 100 Refrigeration Basics **5 Credits**
Course will provide basic understanding of the laws of physics which are applicable to the refrigeration industry. Students will be taught refrigerant recovery, evacuation, and charging techniques in addition to the safe use of temperature meters and gauge manifolds. Students will prepare for and take their Federal EPA-608 Technician Certification Exam during this course.

EST 103 Introduction to Wind Energy **3 Credits**
Covers fundamentals of wind energy focusing on wind production practices for all sizes of turbines, power distribution, and net metering. Recommended: READ 088 or higher, CS 100.

EST 104 Intro to Water, Engineering, Energy, and Agriculture **1 Credit**
Provides undecided high school and adult students with basic labs in water, engineering, energy, and agriculture. Topics include

water chemistry, fluid dynamics, digital multi-meter use, and the identification of crops of regional significance. Workplace safety, basic shop procedures, tool identification, and proper use of personal protective equipment will be covered. Intended Audience: Current high school student, CAP student, undecided college student, or interested community member.

EST 106 Process Control Instrumentation and Troubleshooting **5 Credits**
Learn how to manually and automatically control a process loop using a proportional-integral-derivative (PID) controller, feedback gauges and sensors, and a final control element. Math skills and knowledge of how to use a digital multimeter (DMM) are required. This course is a prerequisite for EST 285: Advanced Instrumentation and SCADA. Prerequisites: OCSUP 107 and EST 133 or instructor permission.

EST 108 Materials, Fasteners, and Raceways **5 Credits**
Learn to identify electrical materials and their applications. Students will classify, grade, and use fasteners, such as bolts, screws, and rivets. Proper torque values are explained. Provides training in electrical raceway types, tools, and procedures used in the electrical industry. Gain a working knowledge of appropriate tools and procedures in bending and installing various types of raceways in compliance with the NEC® and electrical safety.

EST 110 Refrigeration Components **5 Credits**
This course covers the mechanical equipment used in the refrigeration and air conditioning industry. Students will be introduced to the proper troubleshooting techniques and practice using those techniques to repair this equipment. The proper application and repair of evaporators, condensers, compressors, expansion devices, and special components will be studied and practiced. Prerequisite: EST 100 or 101; or instructor permission.

EST 115 Industrial Mechanics **5 Credits**
This course addresses the needs of the multi-crafted maintenance technician and presents an all-encompassing view of the field of industrial maintenance, which covers a variety of technical skill areas. These include, but are not limited to safety, mechanical installation, fasteners and torque, fluid power, piping systems, power transmission, shaft alignment, vibration analysis, and print reading.

EST 131 Principles of Electricity Theory **5 Credits**
Introduction to electrical theory and terminology, electrical safety, direct current (DC), electrical energy sources, conductors, resistance, circuit types, Ohm's law, circuit calculations and measuring instruments, magnetism, alternating current (AC) single and three phase generation and circuits, and introduction to the National Electrical Code.

EST 132 Principles of Electricity AC Application **5 Credits**
Provides a practical application of alternating current (AC) generation and operational circuits. Typical wiring practices of single and three phase wiring of plugs, receptacles, lighting, panel, disconnects, conduit, capacitors, power and control transformers, DC generators, AC alternators, an introduction to DC and AC motors. Prerequisite: Grade of C or higher in EST 131 or instructor permission.

EST 133 Introduction to Controls **5 Credits**
Electrical safety and introduces control principles, operation, symbols & electrical diagrams, wiring, adjustment, and testing procedures for pressure, temperature, level and flow controls used in application of operational and safety controls of all industries. Manual, electric-mechanical, mechanical-electric and electronic controls will be covered. Prerequisite: EST 131, or grade of C or higher in EST 132, or instructor permission.

EST 145 Industrial Safety & Material Handling **5 Credits**
This course provides students with training and practice to develop competencies in industrial safety and material handling. Students will be trained in the safe operation of industrial fork lifts and aerial lifts (not all sites). Students will complete OSHA-10 general and construction training modules (third party certification not provided). Students will complete additional workplace safety modules to develop personal and equipment safety skills and knowledge in an industrial environment. Techniques for safely lifting and moving loads of various shapes, sizes, and types with an overhead crane will be covered and opportunities for practice provided. Also covered is tooling, hand and radio signals, safety around equipment, and equipment operation.

EST 150 Electric Motors and Motor Maintenance **3 Credits**
This course teaches electrical and motor safety, motor applications and characteristics, installation, operation, performance, maintenance, and repair of all AC and DC series motors. Wiring for wye and delta applications is also covered. Electronically Commutated Motors (ECM) will be included in the instruction. NEMA and NEC codes will be applied for motor installation, operations, and maintenance. Other topics will include nameplate data, torque, efficiency, connections, reversing rotation, and instruments used for motor maintenance and testing. Prerequisite: EST 131 or grade of C or higher in EST 132; or instructor permission.

EST 159 Hydraulics and Pneumatics **3 Credits**
Explores the basic principles of hydraulic and pneumatic systems, industry terminology, mechanical symbols, system components, energy and personal safety, completing calculations, review of operations and maintenance. Recommended: EST 100.

EST 175 Tower Rescue and Climbing Competency **1.2 Credits**
Provides students with the knowledge and skill sets needed to be able to ascend a wind turbine tower, work on the unit, descend the unit, and perform self-rescue and partner rescue in emergency conditions. This is a two day course which exceeds the minimum requirements set by OSHA and NIOSH for the tower erection industry. Prerequisite: Must be enrolled in the Wind Energy Technology program.

EST 202 Bio-Chemical Conversion **5 Credits**
The conversion of agricultural/forestry materials (biomass), organics (food and yard wastes, and dairy manure), and other solid wastes (from landfills or wastewater treatment plants) into value-added products is of significant interest today. Technologies that harness microbes to convert these materials can be deployed in many different industries to produce clean water, biogas and biomethane, renewable fuels and chemicals, heat, electricity, and soil amendment products. After some measure of pre-treatment, the lignocellulosic fabric of woody biomass is liberated into easier to use sugar units. For thousands of years, microbes have been fed sugars to produce fermented beverage and food products, and more recently, pharmaceuticals. We will review the structure of lignocellulosic biomass. The course will feature labs to produce, monitor, and analyze the fermentation and anaerobic digestion processes and their products.

EST 203 Applied Controls and Operations **5 Credits**
This is a capstone course for many of the EST pathways that students take in their final spring quarter. Students will have the opportunity to "own" a piece of electrical-mechanical equipment and/or process for the entire quarter. They will revise and/or generate a standard operating procedure, operate and perform maintenance on the electrical-mechanical equipment, and generate lesson plans for demonstrations they will lead for other students, faculty, staff, and/or the public. Each student will make at least four group presentations during the quarter. Students will monitor their process and be graded on each demonstration based on a rubric refined by the instructor and peers. Students will be responsible for keeping their electrical-mechanical sites safe and clean.

EST 225 Commercial Air Conditioning Systems **4 Credits**
This course explores commercial air conditioning systems. Topics will include high-pressure and absorption chillers. Cooling towers, pumps, package rooftop units, variable refrigerant flow, and variable air volume systems will also be covered. Training will focus on the operation, maintenance, and troubleshooting of these systems and components.

EST 234 Survey of Technical Equipment for Processing (STEP) **1 - 4 Credits**
Students will gain familiarity with equipment, processes, and labs used in the Bio-products and allied industries. Course is largely hands-on in nature as students gain experience on a variety of training equipment. Two eight-hour sessions per week for four weeks.

EST 235 Introduction to Solar PV and Applications **3 Credits**
The fundamental concepts required for safe, code-compliant design and installation of photovoltaic (PV) systems will be covered with a focus on grid-direct solar electric systems. The core concepts necessary to work with all PV systems, including system components, site analysis, PV module criteria, mounting solutions, safety, and commissioning will be taught. Prerequisite: EST 132

EST 240 Intro to 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 and grade of C or higher in EST 132, or instructor permission.

EST 250 Programmable Logic Controllers **5 Credits**
Students will begin to gain an understanding of terminology, components, programming, interfacing and operation of PLC controls. Then, the course turns to more advanced skills by describing PLC orientation, operations, programming languages, and integrated architecture. It covers PLC programming, PLC memory organization, PLC programming software and PLC program analysis. This course also focuses on troubleshooting by discussing levels of troubleshooting in PLC systems, power supplies, and inputs/outputs. Skills also discussed include event sequencing, application development, program control instructions, and math ad data move instructions. Integrated architecture is convergence of control and information for plant-wide optimization and builder performance. Integrated architecture delivers plant wide optimization, machine builder performance, and sustainable production and serves as a foundation to help you improve productivity with better asset utilization and system performance, promote globalization with easy access to actionable, plant-wide information, support sustainability with extended product life cycles and better asset utilization, and cultivate innovation with increased system flexibility and technical risk mitigation. Prerequisite: EST 133 or instructor permission. Recommend: CS 100 or 110.

EST 252 Principles of Power Generation and Distribution **5 Credits**
Introduction to the common components and applications of electrical generation and distribution systems. The operation and maintenance of those systems will also be covered. Prerequisite: EST 132 or instructor permission.

EST 255 Direct Digital Controls **5 Credits**
In Direct Digital Controls (DDCs), students will gain an understanding of the terminology, components, programming, functions, interfacing, and operation in building automation and energy management. DDCs are used to monitor and manage discrete or integrated electrical, fire alarm/suppression, water, climate control, communication, and security systems in buildings and across facilities. Students will create a working function block program that will include the use of digital and analog controls. The use of counters, timers, compare and mathematic calculations will also be covered. Prerequisite: EST 133 or instructor permission. Recommend: CS 100 or CS 110 and/or EST 250.

EST 260 Introduction to the National Electrical Code **2 Credits**
Course introduces student to the National Electrical Code (NEC), and the Washington Administrative Code (WAC), and Revised Code of Washington (RCW) as it relates to the electrical industry to familiarize students with legal code and electrical safety. May be taken as a preparation of industry technicians preparing to take the certification exam.

EST 263 Commercial Heating and Boiler Systems **5 Credits**
This course covers electric heat and heat pump technology for air-to-air, geothermal water-to-air, water-to-water heat pump, and natural gas furnace systems. Students will learn installation, electrical components, operation, maintenance, service, and repair of electric heat pumps. An introduction to solar hydronic heating systems will also be included. Hydronic boilers for residential, light maintenance, and troubleshooting of these systems will be taught.

EST 265 Commercial Refrigeration **5 Credits**
This course explores design and operational requirements of low and medium temperature commercial refrigeration systems. It provides a basic understanding of typical commercial and supermarket refrigeration systems with emphasis on operation and system analysis to determine faults. Prerequisite: EST 110 or instructor permission.

EST 270 Wind Power Plant Operations and Advanced Mechanical Systems **5 Credits**
This course is an introduction to various fundamentals of the Wind Power Plant Operations, including daily routines, process and paperwork, management styles, and customer service skills. It will also cover wind turbine troubleshooting, and advanced/large mechanical systems repair.

EST 285 Advanced Instrumentation and PLCs **3 Credits**
Electrical safety and advanced control principles are covered in this course with a strong emphasis on instrumentation, input/output calibration, wiring, and PID loop control. Students control level and flow in a process by using instruments (i.e. sensors) -- used in the

processing and manufacturing industries - to gain feedback to inform settings and outputs on a PID controller and downstream instruments. This course also builds on the topics covered in EST 250 Programmable Logic Controllers, i.e. troubleshooting, event sequencing, application development, program control instructions, and math and data move instructions. This course will culminate in the application of skills covered in EST 106 and EST 250 to demonstrate PLC control of our Process Level and Flow training equipment. Prerequisites: EST 106 and EST 250, or instructor permission.

EST 291 Cooperative Training **3 - 18 Credits**
Opportunity to gain work experience in an Energy related role as agreed upon by the employer, student and instructor. Students will utilize skills and knowledge learned in previous quarters. Prerequisite: Instructor permission.

Engineering Technology

ENT 112 Blueprint Reading **2 Credits**
Introduction to basic construction plan interpretation. Emphasis is on symbol usage, line types, dimensioning, section views, axillary views, and integration of construction plans from various trades.

ENT 121 2-D Computer Aided Drafting and Design **3 Credits**
Introduction to 2-D computer-aided drafting and design using AutoCAD software for the solution of graphic problems and development of engineering drawings. Course includes the production of engineering graphics and documents. Formerly CET 151, Computer Aided Drafting.

ENT 122 3-D Advanced Computer Aided Modeling & Design **5 Credits**
Introduction to advanced applications of computer aided drafting and design of three-dimensional graphics and engineering drawings using basic AutoCAD and Civil 3D software. Course includes the production of engineering graphics and documents. Prerequisite: ENT 121 or instructor permission. Formerly CET 152.

ENT 150 Introduction to GIS **3 Credits**
Introduction to the fundamentals of GIS and GPS. Emphasis is on the fundamentals of cartography, geography, map projections, coordinate systems, attributes, data formats, and analysis of data both statistically and spatially using ESRI ArcGIS for Desktop software. Formerly CET 250.

ENT 151 Advanced GIS **3 Credits**
Instruction in advanced topics of GIS. Emphasis includes geo-spatial analysis, creation and use of geo-databases, geo-coding, georeferencing, and digital elevation models using ESRI ArcGIS for Desktop software. Formerly CET 251. Prerequisite: ENT 150 or instructor permission.

ENT 152 Practical Agricultural Applications of GIS **3 Credits**
Instruction in advanced topics of GIS with an emphasis on agricultural systems. Emphasis includes geo-spatial analysis, creation and use of geo-databases, geo-referencing, digital elevation models, aerial data, and using ESRI ArcGIS for Desktop software. Formerly CET 251. Prerequisite: ENT 151 or instructor permission.

ENT 161 Introduction to Surveying **5 Credits**
An introduction to the field of land surveying with an emphasis on practical skills for the agriculture and environmental trades. Pre- or co-requisite of AMATH 107 or MATH& 141.

Engineering Transfer

ENGR& 111 Engineering Graphics 1 **3 Credits**
Introduction to basic engineering graphic concepts, plan interpretation, and computer drafting skills. Emphasis is on isometric and orthographic drawings, line types, dimensioning, section views, auxiliary views, construction plans interpretation, and AutoCAD software usage. Formerly CET 141, Engineering Graphics.

English

ENGL 087 Writing Essentials **5 Credits**
This course focuses on the composition of well-developed sentences, paragraphs, short essays, and the writing process. Students will develop critical thinking through the use of expository, narrative, critical, analytical, and persuasive writing techniques. Instructors will use the WWCC writing rubric to evaluate competencies and ensure developmental progression. Formerly ENG 087. Prerequisite: Appropriate placement score.

ENGL 097 Basic Expository Writing **5 Credits**
This course focuses on the composition of well-developed sentences, paragraphs, essays, and the writing process. Students will develop critical thinking skills through the use of expository, narrative, critical, analytical, and persuasive writing techniques. Instructors use the WWCC writing rubric to evaluate competencies and ensure developmental progression. Prerequisite: Appropriate placement score or grade of C or higher in ENGL 087.

ENGL& 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 ENGL 097. Formerly ENG 101, English Composition I.

ENGL& 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 ENGL& 101. Formerly ENG 102, English Composition II.

ENGL& 111 Intro to Literature [H] **5 Credits**
Examines poetry, fiction, drama, and non-fiction. Formerly LIT 140, Intro to Literature.

ENGL& 112 Intro to Fiction [H] **5 Credits**
Examines short fiction from the 19th century to the present, drawn from a variety of countries and cultures. Formerly LIT 141, Intro to Fiction.

ENGL& 113 Intro to Poetry [H] **5 Credits**
Emphasizes the interpretation and appreciation of poetry in its various forms. Concentration is on narrative and lyric forms and an introduction to a wide variety of established poets. Formerly LIT 142, Intro to Poetry.

ENGL 118 Baseball Literature and American Culture [H] **5 Credits**
Examines the short stories, poetry, novels, and non-fiction 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. Recommended: READ 088 or higher.

ENGL 144 Introduction to Film [H] **5 Credits**
Examines selected films with emphasis on story, character, and criticism. Formerly LIT 144.

ENGL 147 Comics as Literature [D, H] **5 Credits**
Examines a variety of forms of drawn literature, including comics, graphic novels, autobiography, as well as less traditional narratives. Primary focus of the course is on critical acclaimed graphic novels. Formerly LIT 147.

ENGL 149 Classic Children's Literature [H] **5 Credits**
Examines literary fiction directed to children. Formerly LIT 149.

ENGL 210 Myth and Folklore [D, H] **5 Credits**
Examines the myths and folktales of the world with an emphasis on literature and culture. Course taken prior to fall 2010 also accepted for diversity requirement. Formerly LIT 210.

ENGL 211 Literature of the Spanish-speaking World [D, H] **5 Credits**
This class examines some of the Spanish speaking world's great literary traditions and texts in the form of poems, novels, stories, plays, essays, memoirs, music, film, and art, and includes authors of varied nations, ethnicities, social classes, and genders. The class studies Latinx artists from the United States as well. The literature includes works originally composed in Spanish as well as in English and encompasses literature variously identified as Latino, Hispanic, Chicano, etc. Students do not need to know Spanish in order to take this class. The class will study texts in English translations with some texts available in bilingual formats.

ENGL 212 Multicultural-American Literature [D, H] **5 Credits**
This course is an investigation into a specific multicultural American literary tradition chosen by the instructor. Students will read, analyze, discuss, and write about literary works in various forms and media of multicultural American writers. This body of literature covers different works inclusive of modernism and postmodernism as well as narratives that facilitate the expression of individual and communal multicultural perspectives and experiences. This course also compares similarities and differences in the literary techniques and themes of the specific multicultural literary tradition to literary techniques and themes of more mainstream literary works. Formerly LIT 212.

ENGL& 226 British Literature I [H] **5 Credits**
An introduction to some of the English texts that launched the West's rich literacy traditions, starting over 1000 years ago and covering up to the mid-20th century. Sampling essays, poems, historical texts, stories, memoirs, speeches, plays, and a novel, the course features a wide variety of works from authors representing the British Isles including England, Scotland, Ireland, and Wales. Formerly ENGL 246.

ENGL& 235 Technical Writing [C] **5 Credits**
Focuses on writing for various disciplines, professions, or fields, with special focus paid to composing documents intended to and serve the needs of clients, consumers, or customers. Although the specific disciplines, industries, or fields will vary based on individual students' chosen academic/career pathways, composition assignments will include requests for proposals, proposals, detailed instructions/manuals, and research reports. Prerequisite: Grade of C or higher in ENGL& 101.

ENGL& 236 Creative Writing I **5 Credits**
Explores the many ways imaginative literature takes shape and offers specific strategies and assignments to generate and polish original poems and stories. Formerly ENG 120, Creative Writing. Prerequisite: Compass placement in college-level English of successful completion of ENGL& 097.

ENGL& 244 American Literature I [D, H] **5 Credits**
Examines influential American literary voices and styles from settlement times through the present. Formerly ENGL 245.

ENGL 251 Voices of Women in Literature [D, H] **5 Credits**
Surveys 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 ENGL 251 and GWST 251. Course taken prior to fall 2010 also accepted for diversity requirement. Formerly LIT 251. Recommended: READ 088 or higher.

ENGL& 254 World Literature I [D, H] **5 Credits**
Examines some of the world's great literary traditions, both ancient and modern, featuring poetry, story, and drama. Course taken prior to fall 2010 also accepted for diversity requirement. Formerly ENGL 265.

ENGL 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. Formerly LIT 257.

ENGL 270 Genre Fiction [H] **5 Credits**
This course is an investigation into a particular genre of fiction chosen by the instructor. Examples of genres might include science fiction, romance, detective, western, dystopian, mystery, horror, etc. Works may represent a variety of media, eras, or cultures of origin, but they will be united by the structures, archetypes, and themes found in that chosen genre. Formerly LIT 270. [H]

ENGL 277 The Bible as Literature [H] **5 Credits**
The Literature of the Bible is a five-credit course designed to introduce both beginning and experienced readers of the Bible to the artistry of its stories and poetry. Neither a religious nor historical approach is applied towards the biblical text; instead, the Bible is approached from a literary standpoint. Formerly LIT 277.

Enology and Viticulture

EV 100 Forklift for EV **1 Credit**
Designed to meet the new OSHA requirements for lift truck operator training and certification. Safe lifting/chaining and moving of loads will be demonstrated and discussed.

EV 101 Establishing a Vinifera Vineyard **4 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. Prerequisite: Successful completion of EV 107, Viticulture Practicum I.

EV 102 Maintaining a Vinifera Vineyard **4 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. Prerequisite: Successful completion of EV 101.

EV 103 Advanced Vineyard Management **1 - 5 Credits**
Designed for viticulture students or growers who wish to acquire hands-on experience in vineyard management. This will be a combination of in-class lecture, followed by field work. Students will be responsible for maintaining an assignment vineyard block, under the supervision of the course instructor. Emphasis will be placed on proper canopy management, vine water status, soil water content, and vineyard irrigation. Prerequisite: Successful completion of EV 102 with a grade of C or higher, or instructor permission.

EV 106 Intro to Enology & Viticulture for Wine Business **3 Credits**
A survey of viticultural and winemaking practices employed in wine production during harvest. Emphasis on harvest winemaking operations includes: crush, press, fermentation, maceration, and barrel use. Vineyard harvest operation includes: maturity sampling, bird netting and fall harvest. Basic sensory analysis of wines will be performed to begin the process of palate training. Prerequisite: Instructor permission.

EV 107 Introduction to Viticulture and Enology **4 Credits**
A survey of the different viticultural and winemaking practices employed in wine production during harvest. Emphasis on vineyard harvest operations including: maturity sampling, bird netting and fall harvest. Involves the vintage productions of wines sold at College Cellars. Basic sensory analysis of wines will be performed to begin the process of palate training. Prerequisite: Instructor permission.

EV 108 Wine Industry Marketplace **2 Credits**
Provides insights and experiences necessary to become not only a successful job applicant, but an informed and knowledgeable wine industry participant. Introduce you to the wine industry value chain, major players, industry associations and resources, industry statistics and current events. We will investigate the employers' perspective as well as strategic job seeking, networking, and interview tactics. Using this information, students will be able to match their personal and professional skills to opportunities in the industry, whether starting their own industry enterprise or seeking employment at an existing business.

EV 120 Introduction to Chemistry for Wine Students **3 Credits**
This is an advanced enology course open only to students enrolled in the Enology and Viticulture program. The purpose of this course is for students to learn the fundamental chemistry needed for the winemaking process. Topics include the metric system, concentrations, mineral ions, molecules, equilibria, acid-based chemistry, and oxidation-reduction reactions relevant to wine. online homework, 10 laboratory activities , and 2 open-note exams required. Prerequisites: Completion of EV 107 with a grade of C or higher and/or Director permission.

EV 131 Essentials of Winery Compliance **2 Credits**
An introduction to winery compliance covering application processes, recordkeeping and reporting requirements for the Washington State Liquor Control Board (WSLCB), the Alcohol and Tobacco Tax and Trade Bureau (TTB), and the Washington State Department of Revenue (DOR).

EV 140 Writing for the Winery **2 Credits**
Entails exchanges of ideas about what exists, what could exist and what could be done better in written materials for winery marketing publications. Sessions will include a mix of writing assignments, follow-up critiques, guest speakers with professional wine writing experience and a field trip to a winery. ENGL& 101 recommended

EV 143 Wine Marketing **5 Credits**
Examine the business activities of marketing; product, place, price, and promotion. Understand the role of marketing in the wine industry and the process used to make effective business decisions. Emphasis on global business, including eCommerce as it relates to marketing strategy.

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 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 189 Sensory Analysis of Wine **3 Credits**
Sensory analysis specific to wine production with a focus on the effect of appearance on taste perception, as well as olfactory and taste transduction mechanisms. The class will focus on specific wine varietals, use of oak in winemaking, secondary fermentation, characteristics and individual wine component threshold identification. The purpose of the course is to help students to train their palates to make informed decision making during wine production. Prerequisite: EV 107. Recommended: EV 203.

EV 193 Winery Operations Management **3 Credits**
A multi-dimensional course on winery management and operations. Course includes, but not limited to, annual planning and budgets, labor relations, supervision and leadership, workplace health and safety issues, supply and product control, and best management practices for energy use. Disposal of liquid and solid winery waste will also be covered, as well as storage and distribution systems. Prerequisite: EV 107 Intro to Viticulture and Enology and successful completion of AMATH 105 or higher.

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 - Oenochem **3 Credits**
This is an advanced enology course open only to students enrolled in the Enology and Viticulture program. Topics include winemaking principles such as fruit selection, pre-harvest analyses, fruit processing, juice additions, alcoholic and malolactic fermentation's, as well as winery hygiene and safety. Prerequisites: Instructor permission. Successful completion of EV 120, AMATH 105 or higher and EV 102 and/or Director Permission.

EV 204 Science of Winemaking II **5 Credits**
Emphasizes the chemistry of winemaking, wine analysis and quality control. Students will learn wine composition, wine analytical techniques, and the relevance of these analyses to winemaking decisions. Students will also gain knowledge of wine filtration and post-fermentation wine stewardship. Prerequisites: Successful completion of EV 203.

EV 205 Science of Winemaking III **4 Credits**
Focus on stabilization and clarification of both white and red wines on the way to bottling. It will include both heat and cold stability as well as filtration and fining techniques of wine. The culmination of the course will be when wines which students started in EV 107 are blended, filtered, fined and bottled. Excursions to other wineries as well as guest speakers are included. Prerequisites: Successful completion of EV 204.

EV 230 Advanced Vineyard Management **3 Credits**
Designed for viticulture and enology students who wish tot further develop their wine-growing acumen and vineyard technology experience. This will be a combination of in-class lecture, followed by field work with a heavy emphasis on grapevine biochemistry as it relates to winemaking. Students will be responsible for maintaining an assignment vineyard block, under the supervision of the course instructor. Attention will be placed on proper canopy management, varietal and genetic variations, vine water status, soil water content, and vineyard irrigation. Prerequisite: Successful completion of EV 102 with a grade of C, or higher, or instructor permission.

EV 286 Winemaking Practicum I **2 - 12 Credits**
Students experience hands-on learning while working at a selected winery and receiving supervision from a professional vintner. Prerequisites: Completion of EV 203 with a grade of C- or higher or 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 Professional Wine Leadership **1 Credit**
Students will develop an awareness of the leadership skills necessary to be successful in winery tasting rooms. Students will explore the history of the Walla Walla wine region, and understand how to apply that knowledge and appropriate customer service skills to enhance the customer experience within the wine industry. A current MAST permit is required as a part of the course.

Environmental Studies

ENVS& 101 Introduction to Environmental Science [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 ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088. Student may not earn credit for both ENVS& 101 and AGPR 101. Formerly ESCI 101, Introduction to Environmental Sciences.

Fire Science

FCA 100 Introduction to Firefighting **1 Credit**
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. Prerequisite: Acceptance into the Fire Science program. This class is offered only in fall of the first year Fire Science program.

FCA 101 Firefighting Academy 101 **10 Credits**
Provides an overview of the fire service and the role of the firefighter. Includes an introduction to firefighting fundamentals according to National Fire Protection Association (NFPA) standards along with a practicum element. Topics include personal protective equipment, search and rescue techniques, health and safety, fire behavior, incident command systems, ladders, ropes, knots, ventilation, sprinkler systems, multi-company operations and sprinkler systems. Upon completion of this segment, the successful student will be able to take the test for Level 1 Firefighter conducted by the WA 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: Acceptance into the Fire Science program. This class is offered yearly fall quarter.

FCA 111 Fundamentals of Firefighting **6 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 115 Advanced Firefighting **6 Credits**
This course is taught according to the standards of the National Fire Protection Association (NFPA) and is the final segment in the FCA 111 and FCA 115 series. The course expands on the topics covered in FCA 111 Fundamentals of Firefighting 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 WA 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 111 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 130 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 115. Recommended: MATH 75. Formerly FCA 105.

FCA 135 Fire Science Resume Building & Interviews **1 Credit**
This class will provide the student with the knowledge, skills and abilities to successfully navigate the employment process into a career as a firefighter/EMT. The course content will be delivered with a combination of course work, instructor led discussion and live interview panel practice.

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 100 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 155 Fire Instructor I **3 Credits**
The study, analysis, application and evaluation of teaching/instructional methodology. Presentation of educational information and skills to fellow Fire Science students and the general public is emphasized. Course is consistent with competencies identified by the NFPA 1041 Standard. Prerequisite: Acceptance to the Fire Science program.

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 170 Hazmat Operations **3 Credits**
Preparation for the IFSAC HAZMAT Operations level examination. Focus will be on Personal Protective Equipment, Health and Physical Hazards, Properties and Behavior, Hazardous Materials Identification, Incident Management and Priorities, Mitigation, Decontamination and Defensive Control Functions. The course meets the requirements of OSHA 1910.120 and NFPA 472 Awareness and Operations level core competencies.

FCA 177 Wildland Fire Management **4 Credits**
This class is designed for firefighters that are confronted with a wildland fire situation and will focus on developing entry-level wildland firefighting skills, emphasizing firefighter safety. The course is a combination of lecture and practical experience and complies with the Pacific Northwest Wildfire Coordinating Group's ICS-100, S-130/S-190, L-180 and IS-700 course requirements for entry-level wildland firefighting. Prerequisite: FCA 111 or equivalent training.

FCA 190 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 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.

First Year Experience

FYE 101 First Year Experience **3 Credits**
Empowers students to become active, responsible, and successful learners. Upon completion, students will demonstrate a clear understanding of strategies required to meet their life goals. Co-requisite: Enrollment in at least one pre-college or college-level course.

FYE 111 First Year Experience - Module 1 **1 Credit**
Module 1, I Can Do This - Next Steps. Empowers students to become active, responsible, and successful learners. Upon completion, students will demonstrate a clear understanding of strategies required to meet their life goals. Co-requisite: Enrollment in at least one pre-college or college-level course.

FYE 112 First Year Experience - Module 2 **1 Credit**
Module 2, Active Learning - Healthy Minds. Empowers students to become active, responsible, and successful learners. Upon completion, students will demonstrate a clear understanding of strategies required to meet their life goals. Co-requisite: Enrollment in at least one pre-college or college-level course.

FYE 113 First Year Experience - Module 3 **1 Credit**
Module 3, Healthy Minds, Building Bridges, and Finals. Empowers students to become active, responsible, and successful learners. Upon completion, students will demonstrate a clear understanding of strategies required to meet their life goals. Co-requisite: Enrollment in at least one pre-college or college-level course.

French

FRCH& 121 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. Formerly FREN 101, French I.

FRCH& 122 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: FRCH& 121 or instructor permission. Formerly FREN 102, French II.

FRCH& 123 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: FRCH& 122 or instructor permission. Formerly FREN 103, French III.

Gender and Women's Studies

GWST 107 Gender Perceptions in American Film [D, H] **5 Credits**
This class uses American films from a variety of genres and decades as primary texts to study representations and ideas of masculinity and femininity. Students will be asked to think critically about where their ideas about gender come from and how these ideas are perpetuated and reinforced in media. Student may not receive credit for both GWST 107 and HUM 107.

GWST 124 Women Artists in History [D, H] **5 Credits**
An exploration of women artists, both historical and contemporary, and the issues, themes, and media that pertain to their experiences as women in art. Women as art patrons, writers, and as subject matter are also considered. Formerly WST 124, Women in Art. Student may not earn credit for both GWST 124 and ART 124. Recommended: READ 088 or higher.

GWST 139 Psychology of Women [SS] **5 Credits**
Explore the historical, cultural, and biological development of growing up female. Also examined are the social and psychological perspectives of female identity, traditional and non-traditional roles, values, sexuality and orientation, dependency, emotions, physical and mental health issues, victimization and the changing perception of femininity and masculinity. Formerly WST 139. Student may not earn credit for both PSYC 139 and GWST 139. Recommended: READ 088 or higher.

GWST 180 Human Sexuality [D, SS] **5 Credits**
Study of sexual facts, attitudes, morals, and behavior. Examination of how society impacts our sexual values and behavior, as well as exploration of diverse experiences of others. Course will cover basic biology, as well as a focus on psychosocial issues related to and impacting sexual behaviors. Course for adults--lectures and films may contain explicit language, nudity, and graphic material. Student may not earn credit for both PSYC& 180 and GWST 180. Course taken prior to fall 2010 also accepted for diversity requirement. Formerly WST 113. Formerly WST 139. Prerequisite: Appropriate placement score or grade of C or higher in ENGL 097. Recommended: READ 088 or higher.

GWST 200 Introduction to Gender and Women's Studies [D, H, 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. Course taken prior to fall 2010 also accepted for diversity requirement. Recommended: READ 088 or higher.

GWST 215 Women in U.S. History [D, 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 GWST 215 and HIST& 215. Course taken prior to fall 2010 also accepted for diversity requirement. Recommended: READ 088 or higher. Formerly WST 280. Formerly WST 215.

GWST 220 Gender and Society [D, 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 (individual identity, gender roles, and institutional level) 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 GWST 220 and SOC 220. Course taken prior to fall 2010 also accepted for diversity requirement. Formerly WST 220. Recommended: READ 088 or higher.

GWST 251 Voices of Women in Literature [D, H] **5 Credits**
Survey of selected women writers across time and cultures with a focus on women as authors and characters. Considers how gender may affect perspectives on such basic ideas as home, work, community, strength, power, courage, empathy and many others. Time period covered ranges from the 18th to the 21st century. Student may not earn credit for both WST 251 and ENGL 251. Formerly WST 251. Recommended: READ 088 or higher.

Geography

GEOG& 102 World Regional Geography [SS] **5 Credits**
This course explores the physical and human geography of principal world regions with special emphasis on the flows that have fostered globalization across time and space.

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. Lab work required.

Prerequisite: Appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088.

GEOG& 207 Economic Geography [SS] **5 Credits**
Introduces students to the changing locations and spatial patterns of economic activity, such as production in agriculture, manufacturing, retail trade, and services; the geographic dynamics of technical change, employment, business organization, resource use, and divisions of labor; principles of trade and transportation; urbanization; regional economic development; and globalization. Recommended READ 088 or higher.

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. Lab work required. Prerequisites: Appropriate placement score or grade of C or higher in MATH 079, MATH 78E, or MATH 079; appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088 or higher; word processing and spreadsheet skills.

GEOG 211 Introduction to Climate and Climate Change [NS] **5 Credits**
An introductory course in climatology, the study of Earth's present, past, and future climate. Examine natural and anthropogenic (human-caused) climate change on various timescales (from tens of years to hundreds of millions of years). Included are the effects of atmospheric greenhouse gases, tectonic climate forcing, orbital cycle variations, deep ocean circulation, and biological feedbacks. This course does not include a lab. Students may not earn credit for both this course and the lab version GEOG 212. Prerequisites: Appropriate placement score or grade of C or higher in MATH 074C or MATH 075; appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088.

GEOG 212 Intro to Climate w/Lab [NS] **5 Credits**
An introductory course in climatology, the study of Earth's present, past, and future climate. Examine natural and anthropogenic(human-caused) climate change on various timescales (from tens of years to hundreds of millions of years). Included are the effects of atmospheric greenhouse gases, tectonic climate forcing, orbital cycle variations, deep ocean circulation, and biological feedbacks. This is a lab course. Students may not earn credit for both this course and the non-lab version GEOG 211. NOTE: GEOG 212 (i.e., with lab) is required for the BAS in Agricultural Systems. prerequisites: Appropriate placement score or grade of C or higher in MATH 074C or MATH 75; appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088.

Geology

GEOL& 101 Intro to 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 ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088. Formerly GEOL 101, Physical Geology.

GEOL& 103 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 ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088. Formerly GEOL 201, Historical Geology.

GEOL& 110 Environmental Geology [NS] **5 Credits**
The study of geologic environments through a systems approach, which emphasizes the interconnections of Earth processes, Earth materials, and human activities. Includes student activities and projects conducted in the laboratory and outdoors. One all-day field trip is required. Lab work required. Prerequisite: Appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088. Formerly GEOL 120, Environmental Earth Science.

GEOL 115 Survey of Earth Science [NS] **5 Credits**
Introductory topics from Geology, Meteorology, Oceanography and Astronomy as these disciplines relate to the origin and dynamic evolution of Planet Earth. Lab work required. Course includes 2 hours of lab work per week. Prerequisite: Appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088.

GEOL& 208 Geology of Pacific NW [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 ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088. Formerly GEOL 210, Pacific Northwest Geology.

High School Completion

HSC 001 Multi-Level English Language Support **10 Credits**
Offered for ELA students in levels I-VI. Student-centered instruction designed to develop language proficiency in reading, writing, speaking, listening and basic numeracy. Skills are developed in the context of everyday life situations with the goal of communicative and cultural competence. Technology is used to enhance learning opportunities as available. This course is designed for students enrolled in the Alternative Education Program (AEP)/Open Doors Youth Re-Engagement Program completing high school requirements. All students who are under 19 years of age must have a signed release from their school district. Students 16-18 years of age must first be admitted to the College following Alternative Education Program (AEP)/Open Doors Youth Re-Engagement Program Eligibility or the Underage Admission policy, which is available in the Transitional Studies/High School Programs office.

HSC 013 Math 1 - Pre-Algebra **5 Credits**
Students will read, write, and interpret basic mathematical information using whole numbers, fractions, benchmark percentages, and decimals. Students will be introduced to basic patterns, data, algebraic concepts, measurement, geometry, and computational skills to solve 1-2 step contextualized real life problems. All students who are under 19 years of age must have a signed release from their school district. Students 16-18 years of age must first be admitted to the College following Alternative Education Program (AEP)/Open Doors Youth Re-Engagement Program Eligibility or the Underage Admission policy, which is available in the Transitional Studies/High School Programs office.

HSC 024 General Science **5 Credits**
This course is designed for students seeking a high school credits through the AEP/Open Doors Youth Re-Engagement Program, students studying for the GEDÂ® exam, and students seeking educational enrichment. Students will explore foundational topics in science; a special focus will be placed on understanding those issues within the context of everyday life. Throughout this course students will gain familiarity with evidence-based writing, reading for comprehension, media/computer literacy, and mathematical concepts used in science. Students who successfully complete this course will earn a high school lab credit in science; students can earn an additional credit if they demonstrate the requisite competencies. All students under 19 years of age must have a signed release from the last school they attended. Students 16-18 years of age must first be admitted to the College following the Alternative Education Program (AEP)/Open Doors Youth Re-Engagment Program eligibility or Underage Admissions Policy, which is available in the Transitional Studies/High School Programs office.

HSC 034 Current World Problems **1 - 5 Credits**
The course explores a variety of cultural, social, economic and environmental issues in a contemporary world context. Students will examine contemporary human rights issues around the world. Global links are a central theme, as we evaluate how issues elsewhere manifest at home.

HSC 035 Geography and World Affairs **1 - 5 Credits**
A study of basic world geography and contemporary national and international issues

HSC 036 American Government **1 - 5 Credits**
Students will study the purposes, organization and function of government, including the laws and political systems specific to the United States. The course pays special attention to the key ideals and principals of the United States, including the Constitution and Bill of Rights. All topics will be viewed through the lens of civic involvement and responsibility.

HSC 037 U.S. History II **1 - 5 Credits**
This is a survey course covering the history and culture of the United States from 1898 to the present. An emphasis is placed on the establishment of our democratic form of government based on responsibilities of good citizenship, what happened in the United States these last 100+ years and to appreciate how 20th century Americans lived and experienced the great events.

HSC 039 Pacific Northwest History **1 - 35 Credits**
Geography, Native tribes and their cultures, explorers, pioneer settlement, government, economy and ecology of the Pacific Northwest states of Washington, Oregon, and Idaho from earliest times to the present.

HSC 040 Physical Science I **1 - 5 Credits**
This course provides an introduction to the physical sciences, including topics from the fields of physics, astronomy, and geology. Emphasis will be on understanding the Scientific Method in preparation for advanced to college-level science courses.

HSC 041 Biology IA **1 - 5 Credits**
Biology I is the first of two courses covering the life science of biology, including a study of evolution, homeostasis (internal environment), nutrition, fitness, energy, and the cell. This course prepares students to pass the end-of-course biology test required for WA State graduation.

HSC 042 Biology IB **1 - 5 Credits**
Biology II is the second of two courses covering the life science of biology, including energy and ecosystems; reproduction, genetics, and inheritance; development and growth; and interaction and interdependence among organisms. This course will prepare students to pass the end-of-course biology exam required for WA State high school graduation.

HSC 044 College Prep Chemistry **1 - 5 Credits**
A study of the composition, structure, and properties of matter, and the way matter changes.

HSC 055 Basic Communication & Technology **5 Credits**
This course is designed for students at all levels of literacy competency. This e-learning course familiarizes beginners with the basic operation and navigation of the computer, utilizes office programs for college writing and occupational applications, enhances basic communication skills using e-mail, helps students gain basic keyboarding skills, and become competent using work-related computer applications. Students will be prepared to use the computer as a tool to continue their education and obtain, or retain, employment. All students under 19 years of age must have a signed release from the last school they attended. Students 16-17 years of age must first be admitted to the College following the Alternative Education Program (AEP)/Open Doors Youth Re-Engagement Program eligibility or Underage Admissions Policy, which is available in the High School Programs office.

HSC 056 Advanced Communications & Technology **5 Credits**
This course is for those who can independently navigate technology on their own, but may need occasional assistance, and may need to improve typing skills. This course will also include creating presentations, creating simple spreadsheets and graph in Excel, and exploring carious file management options (I.e., One Drive, etc.). Students would have the ability to navigate an online course independently with little or no guidance from the instructor. Students who successfully complete this course earn high school credit for communication and technology. Students can earn additional credit if the demonstrate the requisite competencies. This course is designed for students enrolled in the Alternative Education Program (AEP)/Open Doors Youth Re-Engagement Program completing high school requirements. All students under 19 years of age must have a signed release from the last school they attended. Students 16-17 year of age must first be admitted to the college following the Alternative Education Program (AEP) eligibility or Underage Admissions Policy, which is available in the Transitional Studies/High School Programs office. Prerequisite: HSC055 or instructor permission.

HSC 060 Algebra IA **1 - 5 Credits**
The first half of a modern high school algebra sequence with a focus in seven major topics: transition from arithmetic to algebra, solving equations & inequalities, probability and statistics, proportional reasoning, linear equations and functions.

HSC 061 Algebra IB **1 - 5 Credits**
This course fulfills the second half of a modern high school algebra sequence with a focus in seven major topics: transition from arithmetic to algebra, solving equations and inequalities, probability and statistics, proportional reasoning, linear equations and functions, systems of linear equations and inequalities, and operations on polynomials.

HSC 062 Algebra IC **1 - 5 Credits**
This class will focus on a review of Algebra IA and IB. Students will communicate understanding through state constructed practical based questions. This course prepares students to pass the End of Course assessment. The students have the opportunity to create a Collection of Evidence as an alternate demonstration of their proficiency to the State.

HSC 063 Geometry IA **1 - 5 Credits**
This course fulfills the first half in the fundamentals of plane geometry, covering the vocabulary and concept of geometry through the use of formal proof and algebra. Completion of the geometry sequence prepares students for higher level mathematics courses and for those science courses requiring a working knowledge of geometry.

HSC 064 Geometry IB **1 - 5 Credits**
Course fulfills the second half in fundamentals of plane geometry, covering the vocabulary and concept of geometry through the use of formal proof and algebra and coordinate geometry. Completion of the geometry sequence prepares students for higher level mathematics courses and for those science courses requiring a working knowledge of geometry.

HSC 066 Business Math IA **1 - 5 Credits**
Business Math helps students achieve success by incorporating Algebra I, Algebra II, and Geometry topics into practical business and personal finance contexts. Students see algebra at work within the most critical areas of finance. Students learn about investments, credit, automobile expenses, insurance, income tax, household budgeting, and more while gaining confidence in working with common algebraic functions.

HSC 067 Business Math 1B **1 - 5 Credits**
Financial Algebra helps students achieve success by incorporating Algebra I, Algebra II, and Geometry topics into practical business and personal finance contexts. Students see Algebra at work within the most critical areas of finance. Students learn about investments, credit, automobile expenses, insurance, income tax, household budgeting, and more while gaining confidence in working with common algebraic functions. This is the second in the two-part series.

HSC 070 Algebra 2A **1 - 5 Credits**
This course is designed for students who plan to continue a study of mathematics in high school or college. The course focus is on functions and their graphs using transformations, exponential and logarithmic functions, series and sequence data analysis and the study of conic sections. Prerequisite: Successful completion of a full credit of high school Algebra.

HSC 071 Algebra 2B **1 - 5 Credits**
This course is designed for students who plan to continue a study of mathematics in high school or college. The course focus is on functions and their graphs using transformations, exponential and logarithmic functions, series and sequence data analysis and the study of conic sections. Prerequisite: Successful completion of high school Algebra 2A or equivalent.

HSC 072 Algebra 2C **1 - 5 Credits**
This course is designed for students who plan to continue a study of mathematics in high school or college. The course focus is on functions and their graphs using transformations, exponential and logarithmic functions, series and sequence data analysis and the study of conic sections. Prerequisite: Successful completion of high school Algebra 2B or equivalent.

HSC 080 Reading Fundamentals **1 - 5 Credits**
This course offers skill development in reading with a variety of reading comprehension strategies in a range of fiction and nonfiction works. Students will practice making text to self, text to world, and text to text connections. An emphasis will be placed on summarizing and analyzing using textual evidence. This course prepares students for taking the Washington State High School Proficiency Exam (HSPE), required for graduation.

HSC 081 Reading Fundamentals II **1 - 5 Credits**
This course continues to lay the foundation required for high school English credit. Students will develop skills related to the reading of increasingly complex informational and literary texts with an emphasis placed on close critical reading. Students will also develop skills in argumentative, informative, and narrative writing in response to readings. Recommended: HSC 080.

HSC 082 High School Literature **1 - 5 Credits**
In this reading skill development class, students will explore literature across thousands of years and many cultures. This course will use a thematic approach to comparing and contrasting literature over a wide range of time periods and cultures. By exploring a single theme, over time, culture and genre, students will explore how grasping point of view requires distinguishing what is directly stated in a text from what is really meant (e.g., satire, sarcasm, irony, or understatement).

HSC 085 Writing Fundamentals **1 - 5 Credits**
Students will work on skill development in writing. Using the writing process, students will practice expository and persuasive writing aimed at a variety of audiences. Students will prepare for success on the High School Proficiency Examination (HSPE) writing examination required for high school graduation in Washington State. To do so, students will use resources developed by the Washington State Office of State Superintendent of Instruction (OSPI), including portions of a four week curriculum designed for HSPE test takers.

HSC 086 High School Health **1 - 3 Credits**
This course lays the foundation required for high school health, including personal health, injury prevention, community health, nutrition and fitness, personal development, family living, and alcohol, tobacco, and drugs.

HSC 087 Writing With Evidence **1 - 5 Credits**
Using the writing process, students will focus on writing with evidence to ensure that students engage in research and inquiry to investigate topics, and to analyze, integrate, and present information. This course will meet high school English credit requirements and prepare students for Washington state standardized testing expectations.

HSC 090 High School to College Transition **1 - 5 Credits**
This course allows students to develop and demonstrate strategies to adjust to the college experience, to develop a better understanding of the learning process, learn about programs and pathways available on campus, understand current abilities, characteristics, learning styles and readiness to learn, and to acquire essential academic survival skills as students transition from the high school to the college environment. Students will explore personal, academic and employment history to begin to develop their High School and Beyond Plan and career exploration as part of the Washington State high school graduation requirements. This course includes orientation to the Alternative Education program, its resources and services, completion of required assessment, an orientation to the advising process, individualized case management services and support. Prerequisite: Enrollment in Alternative Education Program.

HSC 091 Senior Capstone **1 - 3 Credits**
Senior Capstone assists students enrolled in the Alternative Education Program or High School Completion Program in completing both the 'High School and Beyond Plan' and the 'Culminating Project', state-mandated high school graduation requirements. The course encourages students to think analytically, logically and creatively and to integrate experience and knowledge to solve problems, giving students a chance to explore a career or post-high school graduation plans in which they have a great interest, and offers student an opportunity to apply their learning in a "real world" way.

HSC 092 Walking/Fitness **1 - 5 Credits**
Students will enhance physical fitness and develop lifelong skills through walking and other fitness activities. Students will learn to use a heart rate monitor, understand the importance of hydration and will explore the importance of cardiovascular health.

History

HIST 105 Roots of World Issues [D, SS] **5 Credits**
This course provides an in-depth examination of some of the origins of the world's most pressing issues. It examines a representative and carefully selected sample of world issues from a global perspective. Issues are selected for relevance, their global priority, and how well they reflect the following categories of issues: environmental, economic, social, cultural, and geopolitical. Recommended: READ 088.

HIST 120 American Presidency [SS] **5 Credits**
A historical and analytical examination of the Executive Branch of the United States government. Primary areas of emphasis include: leadership styles of each President, evolutionary changes in the power of the office, and the consequences of each on the country. Recommended: READ 088 or higher. Student may not earn credit for both HIST 120 and POLS 120.

HIST& 126 World Civilization I [H, SS] **5 Credits**
Introduction to world history from a global perspective, spanning the origins of civilization through the classical world of Greece and Rome. Specifically addresses the evolving character of civilization as well as humankind's search for meaning in the face of historic change. Recommended: READ 088.

HIST& 127 World Civilization II [H, SS] **5 Credits**
Introduction to world history from a global perspective, spanning the 5th-century Byzantine Empire to Europe's late 18th century "Age of Revolution." HIST& 127 specifically tracks the evolution of global societies into nations, a critical step in the formation of the political character of the modern world. Recommended: READ 088.

HIST& 128 World Civilization III [H, SS] **5 Credits**
Introduction to the history of world cultures from a global perspective, covering the last two centuries of world history, from roughly 1800 to present. Course content highlights the relationship between the "core" of developed, industrialized countries and their evolving relationship with the undeveloped regions of the global "periphery." Recommended: READ 088.

HIST& 146 US 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 1830s. Recommended: READ 088 or higher.

HIST& 147 U.S. 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 1830s to World War I. Recommended: READ 088 or higher.

HIST& 148 US History III [SS] **5 Credits**
Survey of the significant individuals, groups, and events that have shaped the growth and development of the United States from 1900 to the present. Particular attention will be given to the political, economic, religious, and cultural foundations of this development. Recommended: READ 088 or higher. III.

HIST 205 American Environmental History [SS] **5 Credits**
Explores the natural environment and its role throughout American history with special emphasis upon the ways in which different cultural groups have perceived, used, and managed America's natural environment from pre-colonial America to the present. Examines changing attitudes and behaviors toward nature with specific attention to conservation and preservation and the consciousness that has contributed to the American environmental movement. Recommended: READ 088 or higher.

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 special attention given to both the policy makers and critics of our nation's position on significant international issues from the colonial period to the beginning of the 20th Century. Recommended: READ 088 or higher. Student may not earn credit for both HIST 211 and POLS 211.

HIST 212 U.S. in World Affairs II [SS] **5 Credits**
Examination of American involvement in international affairs since 1898. Study includes this country's foreign policy actions as a world power, with special attention given to both the policy makers and critics of our nation's position on significant international issues from the Spanish-American War to the present. Recommended: READ 088 or higher. Student may not earn credit for both HIST 212 and POLS 212.

HIST& 214 Pacific NW History [SS] **5 Credits**
Survey of the growth and development of the Pacific Northwest Region from the early Native American societies to the present. The class 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 088 or higher.

HIST& 215 Women in US History [D, SS] **5 Credits**
Survey of the significant contributions (social/moral/legal/political/economic/religious) of women to the growth and development of the United States from the early Native American societies to the present. Student may not earn credit for both HIST& 215 and GWST 215. Course taken prior to fall 2010 also accepted for diversity requirement. Formerly HIST 280, Women in US History. Recommended: READ 088 or higher.

HIST 250 Introduction to Latin America [D, SS] **5 Credits**
Provides an introduction to Latin America with special emphasis on pre-European, colonial, national and international developments that have shaped the region's character from 1500 to the present. Course taken prior to fall 2010 also accepted for diversity requirement. Formerly HIST 280. Recommended: READ 088 or higher.

HIST 299 Special Projects in History **1 - 5 Credits**
Self-paced course that allows students the opportunity to study/research a specialized area of history under the supervision of a history instructor. Pre-requisites: One prior college-level history course and instructor permission.

Human & Social Services

HSS 022 Mental Health First Aid **.8 Credit**
Students will learn how to assist someone experiencing a mental health related crisis. Course identifies the risk factors and warning signs for mental health and addiction concerns, strategies for how to help someone in both crisis and non-crisis situations, and where to turn for help.

HSS 101 Introduction to Human Services **5 Credits**
Students will be introduced to the many facets of human services work and will explore the number of services provided by local agencies in food and shelter assistance, addiction and recovery, mental health, community health, and disability services. Students will also review the history, policies, politics, and economic factors that influence and shape the field of human services.

HSS 102 Cultural Diversity and Client Populations **5 Credits**
Students will assess the attributes and needs of diverse populations served by human services such as elderly, children and family, LGBT, homeless, substance abuse addicts, and people with disabilities. They will also practice adapting strategies and locating resources to address the needs of those populations. Students will assess their own skills and potential challenges working with different populations. Students will be exposed to a variety of cultural ideas to promote tolerance and understanding when working with diverse populations. Culture, lifestyles, religion, age, and gender will also be explored to increase awareness and related concerns.

HSS 103 Applied Skills for Human Services **5 Credits**
Students will learn the specific skills and competencies required in human service professions and how to apply those skills in a variety of settings such as correctional facilities, group homes, crisis intervention, and rehabilitation centers. Focus is on clinical mental health counseling, community support, rehabilitation services, chemical dependency recovery, and motivational and evidence-based strategies for treatment and support. A range of assessment tools, methods of evaluation, and case plans will also be examined.

HSS 110 Ethics in Health and Human Services **5 Credits**
Students will practice upholding ethical and professional standards within human services such as accurately and honestly documenting interactions with clients, protecting client confidentiality, and maintaining professional boundaries with clients and coworkers. Contemporary issues, trends, legal aspects, and ethics will be discussed in an integrated approach. Students will also review the roles, functions, and legal/ethical responsibilities of health and human service professionals.

HSS 141 Field Experience I **5 Credits**
This introductory field experience offers students an opportunity to apply theoretical learning in selected human services settings under the direct supervision of qualified agency personnel; to be arranged through the Human Services instructor. Students will complete and submit field experience documentation, address legal and ethical issues related to their site, track progress on field experience learning objectives, network with other students, self-evaluate their progress, and discuss trends and best practices.

HSS 201 Case Management **5 Credits**
Students will learn skills for developing, implementing, and monitoring effective case plans that help clients achieve self-sufficiency. Students will explore case management in a wide variety of human services organizations and with a broad spectrum of clients such as substance abuse addicts, elderly, youth, homeless, poor, offenders, and people with disabilities. The processing of cases and applications, identification of appropriate providers and facilities, and advocacy of resources will also be reviewed.

HSS 202 Co-occurring Disorders **5 Credits**
Students will examine how mental illness and substance abuse interfere with an individual's ability to function effectively, including the physical, social, psychological, and spiritual well-being. Students will learn the consequences of undiagnosed or untreated co-occurring disorders, as well as integrated treatments used by human service professionals that focus on both mental illness and addictions.

HSS 241 Field Experience II **5 Credits**
Student will provide services in a setting related to his/her area of interest. There will be opportunities for direct client contact to enhance skills in interviewing, observation, documentation, assessment, and intervention planning. Students will complete and submit field

experience documentation, address legal and ethical issues related to their site, track progress on practicum learning objectives, network with other students, self-evaluate their progress, and discuss trends and best practices.

Humanities

HUM 107 Gender Perceptions in American Film [D, H] **5 Credits**
This class uses American films from a variety of genres and decades as primary texts to study representations of and ideas about the gender spectrum. Students will be asked to think critically about where their ideas about gender come from and how these ideas are perpetuated and reinforced in media. Students may receive credit for either HUM 107 and GWST 107.

HUM 109 World Arts and Culture [D, H] **5 Credits**
Provides a study of literature, poetry, visual art, film, theatre, music and history in cultures around the world by comparing differences and similarities across cultures. A cross-cultural inspection of topics surrounding family, gender, race, class, and customs are critiqued through the use of art and its cultural impact through the perspectives of history, politics, philosophy, aesthetics, religion, anthropology, sociology, and literature. Completion of ENGL 097 recommended.

HUM 110 Four Perspectives [D, H] **5 Credits**
Students will explore four significant perspectives in the history of ideas. Students will learn about how the world has changed in response to the ideas and life examples of Pythagoras, Galileo, the Buddha, and Jesus Christ. Readings and videos, as well as photos, poetry, paintings, music, and other art forms are used to find out about 1) the Pythagorean idea of Nature as governed by number, of deep order in the universe; 2) Galileo's contribution to the methods of modern science and experimental inquiry; 3) the basic teachings of the Buddha, especially mindfulness; 4) Christian love as a challenging, creative, and active way of life. In the Introduction section, we will orient the Four Perspectives in the history of humankind, and in the Conclusion section, we will examine common and disparate elements of the Four Perspectives.

HUM& 116 Humanities I The Road to Babylon [H] **5 Credits**
Humanities 116 is a journey into civilization's deepest past, a way that winds through Rome and Greece to ancient Egypt, Old Babylon, and beyond. On this journey we survey the major artistic, cultural, and religious achievements of the ancient world and try to understand how they came to be. From encountering landmarks of literature, art and architecture to exploring key technological innovations and tracing the development of religion, warfare, and philosophy, our journey takes us to the very foundations of civilization.

HUM& 117 Humanities II Medieval World [H] **5 Credits**
What do the terms "medieval" and "renaissance" mean, and how are they connected to our lives today? By the end of this course, you will be able to recognize and comprehend the characteristics of the Medieval and Renaissance Eras and to confidently think, talk, and write about them! The student should be able to evaluate the momentous transition(s) from Medieval to Renaissance culture through themes of change such as religious schism and reform (values and spirituality), family and social structures (social and political systems), the plague (medicine), the Little Ice Age (environment), and the birth of print culture (technology). In addition we will practice translating, interpreting, and critiquing culturally and linguistically diverse works in literature, philosophy, and visual and performing arts so that we may connect Medieval and Renaissance insights to western culture -- how did these eras in Europe shape the values of modern Americans?

HUM& 118 Humanities III The Modern World [H] **5 Credits**
This course provides a basic survey of the major artistic, literary, and cultural achievements of the 20th and 21st centuries, with emphasis on European and American achievement. We will look at the web of influence among politics, art, literature, music, religion, psychology and philosophy to assess how our current world was shaped over the last hundred years.

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.

Industrial First Aid

IFA 022 AHA Heartsaver First Aid/CPR **.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.

Intensive English Language Program

IELP 050 IELP Advanced Reading **1 - 5 Credits**
This class develops reading techniques for Level 5 IELP students through focusing on the reading of pre-college textbooks and academic discussion of literature. This course helps to improve comprehension skills, critical reading skills and application of reading strategies used to increase comprehension. Students will be expected to analyze and synthesize materials at an appropriate reading speed as well as formulate critical judgments of readings. Daily discussions, outside readings, written assignments and examinations are required. This course is in accordance with College and Career Readiness Standards for Adult Education.

IELP 051 IELP Advanced Writing **1 - 5 Credits**
Course focus is on organizing and presenting information to serve a specific purpose. Graphic organizers are routinely used to generate ideas. Students use a variety of sentence types and transition words to organize ideas into logical paragraphs with main ideas and supporting details. Students work on editing skills and observe writing conventions of grammar, spelling and sentence structure. This course includes daily discussion, individual and group writing activities, examinations and homework. This course is designed to prepare students for a successful transition to college-level courses and to develop the behaviors and values relevant to success in higher education and the labor market. This course is in accordance with College and Career Readiness Standards for Adult Education.

IELP 052 IELP Learning **1 - 5 Credits**
This is an advanced elearning course for non-native speakers of English in the Intensive English Language Program (IELP). In this course, students will use computer technology and learning management systems to access and submit course materials; produce written work and create presentations; navigate the computer and internet; and access new information. Students will also improve keyboarding skills; become competent using education-related websites, apps, and tools; and enhance communication skills using e-mail.

IELP 060 Multi-level IELP **11 Credits**
This is an integrated course for beginning Intensive English Language (IELP) students. In the pursuit of reaching higher educational needs, students improve reading, writing, speaking, listening, grammar, basic math, and digital literacy skills in real life contexts including identifying job and work-related abilities.

IELP 063 Basic eLearning for IELP **5 Credits**
This course is designed for IELP students at beginning levels of English proficiency. Students gain information literacy skills, media literacy skills, and information, communication, and technology literacy skills.

IELP 066 IELP Communications **5 Credits**
In this course, ELA students improve their ability to communicate in English in personal, social, and workplace environments, and acquire academic skills to advance in college and career pathways. Upon successful completion of the course, the successful student will achieve foundational reading, speaking and listening, and language anchors level A informed by the College Career and Readiness Standards for Adult Education produced by the U.S. Department of Education Office of Vocational and Adult Education.

IELP 067 Beginning Writing Essentials **1 - 5 Credits**
This course focuses on the composition of well-developed sentences, paragraphs, and the writing process for international students. International students will learn the basics of sentence structure, informative, and narrative writing. Instructors will use the Career and College Readiness Standards level B to evaluate competencies and ensure developmental progression. Pre-requisite: Appropriate placement score or instructor permission.

IELP 068 Beginning Reading Improvement **1 - 5 Credits**
This course is created for international students and focuses on developing an understanding of the reading process and appreciation for the importance of reading for pleasure, personal growth, and academic success. Encourages and supports improvement of reading strategies to improve comprehension, critical thinking, and reading efficiency to better meet career and college reading demands. Students will be assessed at a level B of the CCRS. Pre-requisite: Placement by appropriate reading score or instructor permission.

IELP 073 IELP eLearning **5 Credits**
This is an advanced elearning course for non-native speakers of English in the Intensive English Language Program (IELP). In this course, students will use computer technology and learning management systems to access and submit course materials; produce written work and create presentations; navigate the computer and internet; and access new information. Students will also improve keyboarding skills; become competent using education-related websites, apps, and tools; and enhance communication skills using e-mail.

IELP 076 IELP Listening and Speaking II **5 Credits**
Prerequisite: Appropriate placement score or instructor permission.

IELP 077 IELP Writing Essentials II **5 Credits**
This course focuses on the composition of well-developed sentences, paragraphs, and the writing process. Students learn the basics of sentence structure, informative, and narrative writing. Instructors will use the Career and College Readiness Standards level C to evaluate competencies and ensure developmental progression. Prerequisite: Appropriate placement score or instructor permission.

IELP 078 IELP Reading Improvement II **5 Credits**
This course focuses on developing an understanding of the reading process and appreciation for the importance of reading for pleasure, personal growth, and academic success. Encourages and supports improvement of reading strategies to improve comprehension, critical thinking, and reading efficiency to better meet career and college reading demands. Students will be assessed at a level C of the CCRS. Prerequisite: Appropriate placement score or instructor permission.

IELP 086 IELP Listening and Speaking III **5 Credits**
This is an advanced Listening and Speaking course for non-native speakers of English in Level 5 of the Intensive English Language Program (IELP). This course is designed to prepare students for the listening and speaking skills that are typical in an American college classroom. Students will improve discussion, presentation, pronunciation, and speaking fluency as well as comprehension and critical thinking through speaking. Students will listen to and speak about academic topics in order to develop listening competence and will learn listening strategies by taking notes during college lectures, asking questions, working with classmates, and taking tests and quizzes. This course is in accordance with College and Career Readiness Standards for Adult Education, Level D. Prerequisite: Appropriate placement score or instructor permission.

IELP 087 IELP Writing Essentials III **5 Credits**
This course focuses on the composition of well-developed sentences, paragraphs, short essays, and the writing process. Students will develop critical thinking through the use of expository, narrative, critical, analytical, and persuasive writing techniques. Instructors will use the WWCC writing rubric to evaluate competencies and ensure developmental progression. Prerequisite: Appropriate placement score or instructor permission.

IELP 088 IELP Reading Improvement III **5 Credits**
This course focuses on developing an understanding of the reading process and appreciation for the importance of reading for pleasure, personal growth, and academic success. Encourages and supports improvement of reading strategies to improve comprehension, critical thinking, and reading efficiency to better meet college reading demands. Prerequisite: Appropriate placement score or instructor permission.

IELP 097 Basic Expository Writing **5 Credits**
This course focuses on the composition of well-developed sentences, paragraphs, essays, and the writing process. Students will develop critical thinking skills through the use of expository, narrative, critical, analytical, and persuasive writing techniques. Instructors use the WWCC writing rubric to evaluate competencies and ensure developmental progression. Prerequisite: Appropriate placement spore or grade of C or higher in IELP 087.

IELP 101 American Culture and Conversation **5 Credits**
This course is for non-native English speakers at the high-intermediate or advanced level and focuses on conversational English within the context of contemporary American culture. Activities will include daily pair/group discussions to share ideas, information, and practice conversation skills and students will harness everyday technology and devices to enhance their learning. Students will also have the opportunity to go out into the community to hear presentations, concerts, and to visit sites of cultural value to the Walla Walla Valley. Students will use these field trip opportunities as well as interview projects, readings, videos, lecture, and conversation to learn about various aspects of American life, such as family and relationships, customs, sports, etc. This course is in accordance with College and Career Readiness Standards for Adult Education. TOEFL score requirement of 61.

Irrigation Management

WTM 110 Irrigation Design and Components **5 Credits**
This course will study the design aspects and components used in turf irrigation systems. Turf Irrigation systems will include residential, commercial, and sports fields. Site evaluation, irrigation system components, valve and sprinkler selection, system piping, system design, and controls will be analyzed and used in the course of designing these types of systems. Installation procedures will be discussed. Formerly WMGT 110.

WTM 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. Formerly WGMT 112.

WTM 190 Water Quality and Environmental Chemistry **5 Credits**
Applied lab science course focused on water chemistry for workforce education and non-science academic majors. Covers water quality sampling, testing, and reporting procedures for suite of common parameters and relevant background science. Emphasizes importance of accuracy, precision, and chain of custody when completing lab analyses. Recommended: WTM 139, WTM 205, WTM 239, BIOL 130, and/or EST 202.

WTM 205 Wastewater Treatment Plant Operations **5 Credits**
Provides training in the multiple stages of operations, equipment, and maintenance at a typical wastewater treatment plant. Reviews the science and flow of individual processes and their purpose to manage solids, improve water quality, and/or perform disinfection. Course available to students new to the field and incumbent workers in need of continuing education units. Prepares students for passing the Level I Wastewater Treatment Operator exam. Includes requirements to participate in one wastewater treatment plant tour and shadow wastewater treatment plant operators on at least one eight (8) hour shift. Prerequisites: EST 202, EST 106, WTM 190, and WTM 215, or instructor permission. Co-requisites: WTM 221 and/or previous or current work experience in the wastewater industry.

WTM 215 Basic Fluid Dynamics of Piping Systems **5 Credits**
Basic Fluid Dynamics of Piping Systems is an introduction to the fundamental principles and characteristics of liquid fluids, including water, fuels, and chemicals. Emphasis is placed on the properties and definitions of fluid mechanics, fluid statics, fluid dynamics, fluid flow, and the basic measurement of fluids through orifices and pipes. The coursework covers the math and related knowledge needed to design and troubleshoot basic systems. Interactive hands-on demonstrations of concepts are included throughout the course. Recommended: WTM 112, WTM 221, WTM 205, and/or EST 106. WTM 215 has been designated a mathematics course (M) and will run under the I-BEST model. WTM 215 (M) can serve as a substitute for AMATH 107 requirement for degree students who: 1) assess/place into AMATH 106 or AMATH 107, and/or 2) have already completed AMATH 105 or BUS 112 with a C or higher. The degree students who complete WTM 215 (M) with a C or higher can use the course to complete their mathematics requirement (as needed). Those that elect to take WTM 215 to fulfill their mathematics requirement will then be able to choose an additional EST, WTM, CS, or AGPR course (or advisor recommended course) to fulfill their degree requirements.

WTM 220 Drip Irrigation **2 Credits**
This course is an introduction to drip irrigation concepts, methods, and components, including basic drip system design, maintenance, and troubleshooting. Formerly WMGT 220. Prerequisite or co-requisite: WTM 112 or instructor permission.

WTM 221 Pump Applications **2 Credits**
This course will explore pump types, including the characteristics and selection and use of positive and non-positive displacement pumps. Students will learn how to interpret and use pump and system curves and how to evaluate, interpret and apply Net Positive Suction Head characteristics to suction side design. Prerequisite: WTM 112 or instructor permission.

WTM 225 Irrigation Controls **5 Credits**
This course will study the controls, installation, and troubleshooting of turf irrigation systems. Systems will include residential, commercial and sports field applications. A comprehensive analysis of the types of control systems used in these applications will be included. Installation and troubleshooting practices and procedures will also be included in the instruction. Students will then demonstrate these practices and procedures in field applications of installation and troubleshooting opportunities. Students will install and troubleshoot all irrigation system components, valves, sprinklers, system piping, controls and wiring. Prerequisite: WTM 110 or instructor permission. Formerly WMGT 225.

John Deere Technology

JD 101 John Deere Fundamentals and Orientation **3 Credits**
This course provides an introduction to manuals, service advisor information system, engine classifications, and serial numbers. John Deere recommended service department policies and procedures are explained. Orientation to John Deere product lines and the evolution of these products are covered. The safe operation of shop tools will be demonstrated and applied. Students must complete the Service ADVISOR Methods & Techniques assessment with a minimum of 80%.

JD 102 Forklift Safety Training and Certification **1 Credit**
This course is designed to meet the new OSHA requirements for lift truck operator training and certification. Safe lifting/chaining and moving of loads will be demonstrated and discussed. Prerequisite: Enrollment in the John Deere program.

JD 105 John Deere Hydraulics **8 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 John Deere students only. Formerly JD 205.

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.

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 Fuel and Emissions Systems **4 Credits**
Theory, operation, 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, operation and maintenance of emission systems are explored and demonstrated.

JD 131 Engine Testing, Repair, and Performance **10 Credits**
Provides basic physical principles, operation and construction of two- and four- stroke cycle engines. Topics include disassembly, inspection, measurement, reassembly, and adjustments to engine components. Formerly JD 110, 130, and 135.

JD 139 Agriculture Safety **3 Credits**
This course is a synopsis of safety practices and worker protections in the agricultural workplace. Topics will include safety in and around shops, on farm vehicles, using farm equipment, and safe practices around rotational and directional moving equipment. Personal protection equipment, pesticide standards, and MSDS sheets will be included. Safety plans will be analyzed and evaluated for completeness. Safety standards for agriculture identified by the Washington State Administration codes (WAC 296-307) will be covered.

JD 190 Internship Work Experience I **6 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.

JD 191 Internship Work Experience II **6 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.

JD 192 Human Relations Seminar **2 Credits**
Students explore issues related to their cooperative work experience focusing on 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. Formerly JD 192, Cooperative Seminar I. Co-requisite: JD 190.

JD 193 Job Advancing Skills **2 Credits**
Students gain knowledge and skills needed to be effective, successful job applicants. Students increase job seeking skills and qualities through analysis of the labor market, job search techniques, skills identification, applications, resume and letter writing and interview skills. Students understand what employers look for in a prospective employee, and become a more competitive job seeker. Students will learn how networking and informational interviews result in employment opportunities.

JD 199 Special Topics **1 - 10 Credits**
Students study and train to meet established local needs in the John Deere industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

JD 210 John Deere Power Trains **10 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 John Deere students only.

JD 215 John Deere Electronics **5 Credits**
Review of electrical fundamentals, basic electronics, and electrical diagnostics. Topics include techniques of electrical and electronic circuit diagnostics and reading electrical schematics. Student must score a minimum of 80% on the Electrical Methods and Techniques assessment to be eligible for graduation from the JD Tech program.

JD 221 Ag Management Solutions **4 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 **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.

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 262 John Deere Advanced Diagnostic & Repair **14 Credits**
Students will identify and test systems and devices on John Deere equipment. We will review principles, functions, and applications of electronic controlled engines, transmissions, hydraulic circuits, and basic air conditioning systems used in John Deere equipment. Students will use schematics, techniques of diagnostics with electronic circuit, fluid flow, electrical flow, systems testing, and John Deere Service ADVISOR. Students must score a minimum of 80 percent on the three John Deere Methods and Techniques certification assessments to be eligible for graduation from the JD Tech program.

JD 290 Internship Work Experience III **6 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 292 Leadership Seminar **2 Credits**
Students explore issues related to their cooperative work experience focusing on effective workplace relationships and applying leadership skills to promote personal development. Provides professional improvement through techniques such as effective communication, conflict resolution, team building, employee engagement and decision making.

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.

Marketing and Design

EMRK 215 eMarketing **5 Credits**
Provides an in-depth understanding of the principles and practices of using the Internet to market goods and services. Includes ethical, social, cultural, and legal issues surrounding eMarketing. Students will have an opportunity to develop and present a comprehensive eMarketing plan for a business. Prerequisite: BUS 210. Formerly BUS 215.

EMRK 216 E-Commerce **5 Credits**
E-Commerce and Selling Online teaches you ways in which businesses of any size can complete transactions using online technology and how selling online can help your business reach new markets and increase business sales and revenues. The course begins by introducing you to the practice of e-commerce. Students will learn what differentiates e-commerce and e-business and how conducting e-commerce can benefit a business. Students will be introduced to different categories of e-commerce and when it is applicable to use each category.

EMRK 220 Two-Dimensional Design **5 Credits**
This course addresses the fundamental elements of art and principles of design, as applied to digital imaging. This course focuses on developing image-creation skills using Adobe Illustrator, but also addresses the "Why" of design, so that students are thoughtful in their approach to image-creation. Students work through a series of self-branding exercises, copyright scenarios, image-mode conversions, and practice image-generation and editing. Formerly CS 220. Equivalent course ART 105; student may not earn credit for both EMRK 220 and ART 105. Recommended: EMRK 224.

EMRK 221 User Interface Design **5 Credits**
The Interface Design course is an introduction to Web page design and development. This course focuses on the point of contact between the user and a system. Addresses aesthetics, user experience, user behavior, navigation, function, and accessibility. Students practice developing and redeveloping various user interfaces as feedback informs design decisions. Pre-requisite: EMRK 224 Computer Illustrator. Formerly CS 221.

EMRK 223 Photoshop **5 Credits**
Provides a solid foundation in Photoshop for students looking to employ the tools of the design trade, or for those simply wanting to learn how to create digital art. Real-world, practical examples, step-by-step instruction, and creative freedom throughout offer well-rounded, comprehensive coverage. Formerly CS 223.

EMRK 224 Computer Illustration (Illustrator) **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, and Web applications using programs like Illustrator or similar vector software. Formerly CS 224.

EMRK 230 Audio & Video Production **5 Credits**
Students will learn the fine art of storytelling through audio and video media. They will learn safe and effective use of video cameras, lighting, and how to capture and edit audio. Emphasis is placed on how to reach an audience to inform, inspire, and persuade.

EMRK 252 User Experience (UX) **5 Credits**
This course provides a hands-on introduction 1o the process of User Experience (UX.) Students will conduct interviews and observations and evaluate systems through the lens of good design. Students will practice the process by applying it to a real-world micro-research project. This will include: developing a strategy to address an inherently ill-defined problem, practicing problem definition, and presenting findings and possible solutions to community members. Equivalent course to CS 252; student may not earn credit for both EMRK 252 and CS 252.

EMRK 255 Advertising Design **5 Credits**
Advertising Design addresses the fine art and science of persuasion using electronic media. Students will demonstrate use of the formal creative process, taking their advertisements from Big Idea to final execution. Students will explore ideas; expand their creative arsenal; work, and rework projects to increase persuasive potency, and practical critical thinking. Projects will be practical, authentic, and may include real clientele.

EMRK 287 E-Marketing Project **5 Credits**
Provides the student an opportunity to synthesize the know edge gained through their E-Marketing and Design degree coursework in the form of a final project. Students will plan and propose a workplace or research project and explore workplace leadership skills. Students will prepare and present final project. Recommended students take in their last quarter of program.

Mathematics

MATH 040 Number Sense, Computation, and Math Study Skills **5 Credits**
Number Sense, Computation and Math Study Skills emphasizes reinforcement of the student's arithmetic background and its application to common mathematical tasks involving integers, fractions, and decimals. There will be dual emphasis on fortification of mental calculation power with minimum reliance on digital calculation and appropriate use of technology in computing. In addition to math skill content, students will be introduced to a variety of strategies designed to reduce math anxiety and improve student success. Prerequisite: Appropriate placement score or permission of the Mathematics Department.

MATH 071 Pre-Algebra **5 Credits**
MATH 071 exposes students to proportional reasoning and the use of appropriate formulae to model and solve problems. The course emphasizes properties of equality to solve linear equations in one variable and solve a formula for a given variable. Prerequisite: Appropriate placement score or permission of the Mathematics Department. Formerly MATH 070A/072B.

MATH 075 Elementary Algebra **5 Credits**
MATH 075 exposes students to positive integer exponents, operations on polynomial expressions, expressions and equations involving square roots, and linear and quadratic equations. The course focuses on graphing two-variable linear and quadratic equations and on solving problems using linear equations, quadratic equations, and systems of linear equations. Prerequisite: Grade of C or higher in MATH 071 or MATH 72B, appropriate placement score, or permission of the Mathematics Department. Formerly MATH 074C/076D.

MATH 078 Topics in Intermediate Algebra **5 Credits**
MATH 078 exposes students to the concepts of negative integer exponents, functions, domain, and range, and focuses on exponential and logarithmic functions. The course emphasizes problem solving by introducing Polya's process. MATH 078 is designed to prepare students for select college-level mathematics courses. Prerequisite: Grade of C or higher in MATH 075 or MATH 76D, appropriate placement score, or permission of the Mathematics Department. Formerly MATH 078E.

MATH 079 Intermediate Algebra **5 Credits**
MATH 079 exposes students to the concepts of rational exponents, functions, domain, and range, and focuses on exponential, logarithmic, radical, and rational functions. The course emphasizes simplifying expressions and solving equations. MATH 079 is designed to prepare students for MATH& 141. Prerequisite: Grade of C or higher in MATH 075 or MATH 76D, appropriate placement score, or permission of the Mathematics Department. Formerly MATH 078E/080F.

MATH 080 Advanced Topics in Intermediate Algebra **3 Credits**
MATH 080 emphasizes the techniques used to simplify rational and radical expressions and to solve rational and radical equations. MATH 080 is designed to prepare students for MATH& 141. Prerequisite: Grade of C or higher in MATH 078 or MATH 78E, appropriate placement score, or permission of the Mathematics Department. Formerly MATH 080F.

MATH& 107 Math in Society [NS, Q] **5 Credits**
Emphasizes mathematical reasoning, mathematical habits of thought, mathematical decision-making, mathematical communication, and the use of mathematical symbols, techniques and computations. Topics include proportional reasoning, mathematics of personal finance, probability, descriptive statistics, and growth and decay models (linear and exponential). Prerequisite: Grade of C or higher in MATH 078, MATH 078E, or MATH 079, appropriate placement score, or permission of the Mathematics Department. Formerly MATH 107, Mathematics: A Practical Experience.

MATH 115 Finite Mathematics [NS, Q] **5 Credits**
MATH 115 exposes students to 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 078, MATH 078E, or MATH 079, appropriate placement score, or permission of the Mathematics Department.

MATH& 131 Mathematics for Elementary Education I [NS] **5 Credits**
MATH& 131 is the first of a two-course sequence designed to give prospective elementary education majors the depth of understanding necessary to teach mathematics in the elementary classroom. 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. Formerly MATH 205, Math for Elementary School Teachers I. Prerequisite: Grade of C or higher in MATH 078, MATH 078E, or MATH 079, appropriate placement score, or permission of the Mathematics Department.

MATH& 132 Mathematics for Elementary Education II [NS, Q] **5 Credits**
Math& 132 is the second of a two-course sequence designed to give prospective elementary education majors the depth of understanding necessary to teach mathematics in the elementary classroom. 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 required for the AA degree, provided that MATH& 131 has also been completed with a grade of C- or higher. Formerly MATH 206, Math for Elementary School Teachers II. Prerequisite: Grade of C or higher in MATH& 131; or permission of the Mathematics Department.

MATH& 141 Precalculus I [NS, Q] **5 Credits**
MATH& 141 is the first in a series of two courses designed to give students an in-depth understanding of functions and to prepare students for calculus. Graphical analysis of concepts is emphasized through the use of technology. Prerequisite: Grade of C or higher in MATH 079, MATH 080, or MATH 80F, appropriate placement score, or permission of the Mathematics department.

MATH& 142 Precalculus II [NS, Q] **5 Credits**
MATH& 142 is the second in a series of two courses designed to give students an in-depth understanding of functions and to prepare students for calculus. Graphical analysis of concepts is emphasized through the use of technology. Prerequisite: Grade of C- or higher in MATH& 141, satisfactory placement, or permission of the Mathematics Department.

MATH& 146 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. Formerly MATH 201. Prerequisite: Grade of C or higher in MATH 078, MATH 078E, or MATH 079, appropriate score, or permission of the Mathematics Department.

MATH& 148 Business Calculus [NS, Q] **5 Credits**
MATH& 148 is an introduction to calculus as applied to business and economics as well as the behavioral, social, and life sciences. Topics include limits, derivatives, and integrals and their applications. Prerequisite: Grade of C- or higher in MATH& 141, satisfactory placement, or permission of the Mathematics Department. Formerly MATH 121, Survey of Calculus.

MATH& 151 Calculus I [NS, Q] **5 Credits**
MATH& 151 is the first in a sequence of four calculus courses for students who are planning to major in engineering, mathematics, or the sciences. Graphical analysis of concepts is emphasized through the use of technology. Prerequisite: Grade of C- or higher in MATH& 142, satisfactory placement score, or permission of the Mathematics Department. Formerly MATH 124, Calculus with Analytic Geometry I.

MATH& 152 Calculus II [NS, Q] **5 Credits**
MATH& 152 is the second in a sequence of four calculus courses for students who are planning to major in engineering, mathematics, or the sciences. Graphical analysis of concepts is emphasized through the use of technology. Prerequisite: Grade of C- or higher in MATH& 151, satisfactory placement, or permission of the Mathematics Department. Formerly MATH 125, Calculus with Analytic Geometry II.

MATH& 153 Calculus III [NS, Q] **5 Credits**
MATH& 153 is the third in a sequence of four calculus courses for students who are planning to major in engineering, mathematics, or the sciences. Graphical analysis of concepts is emphasized through the use of technology. Prerequisite: Grade of C- or higher in MATH& 152, satisfactory placement, or permission of Mathematics Department. Formerly MATH 126, Calculus with Analytic Geometry III.

MATH 220 Linear Algebra [NS, Q] **5 Credits**
Math 220 designed for students planning to major in mathematics, engineering, computer science, or physics. Topics include systems of linear equations, matrices, eigenvalues, eigenvectors, vector spaces, linear transformations, orthogonality and diagonalization. Prerequisite: A grade of C- or higher in MATH& 153, satisfactory placement, or permission of the Math Department.

MATH 238 Differential Equations [NS, Q] **5 Credits**
Math 238 is designed for students planning to major in mathematics, engineering, computer science, or physics. Topics include analytic methods of solving ordinary differential equations as well as qualitative and numerical methods for describing their solutions. Prerequisite: A grade of C- or higher in MATH& 153, satisfactory placement, or permission of the Math Department.

MATH& 254 Calculus IV [NS, Q] **5 Credits**
MATH& 254 is the fourth in a sequence of four calculus courses for students who are planning to major in engineering, mathematics, or the sciences. Graphical analysis of concepts is emphasized through the use of technology. Prerequisite: Grade of C- or higher in MATH& 153, satisfactory placement, or permission of the Mathematics Department. Formerly MATH 224, Calculus & Analytical Geometry IV.

Music

MUSC& 105 Music Appreciation [D, H] **5 Credits**
An introduction to the "Classical" music tradition, this course is an audiovisual tour of the rich heritage of Western Art Music, designed for the musical novice as well as the music major. By actively listening to a wide range of musical styles, from the sacred chants of the Middle Ages, to the genius of Bach, Mozart, and Beethoven, to today's concert stage, the critical aural skills needed to truly appreciate music will be exercised and developed. Emphasis will be on the evolution of vocal and orchestral music and familiarity with standard concert repertoire of today's symphony orchestras. The more we listen, the more we hear!

MUSC 110 History of American Music [H] **5 Credits**
Many scholars believe the blues and jazz are America's only truly original contributions to the art music of the world. We will explore how the rich cultural diversity in America provided the fertile soil for the growth of such unique music, tracing the roots from West Africa and Western Europe to the original blues of the Mississippi Delta, to the birth of jazz in New Orleans and its evolution to today's eclectic music scene. By listening to such artists as Louis Armstrong, Billie Holiday, Duke Ellington, Miles Davis, John Coltrane, Wynton Marsalis and others, this course is designed to help the student gain a deeper and richer appreciation of the many voices that make up America's music. The more we listen, the more we hear!

MUSC 116 College Voice I [HP] **1 - 2 Credits**
College voice classes offer instruction for students of every ability. Beginners as well as students pursuing transfer music degrees will benefit from any College Voice class. Students are offered practical tools for accessing their inherent vitality, expressiveness, and grace. Performing opportunities include recitals, original operettas (Winter quarter) and collaboration with the WWCC Theatre Department. MUSC 116 is an introductory study of efficient vocal production and performance. Beginning exercises for breath management, extending the vocal range, increasing vocal resonance and volume, and singing in an expressive manner are introduced. Group singing and solos are performed to demonstrate these skills. [HP]

MUSC 117 College Voice II [HP] **1 - 2 Credits**
College voice classes offer instruction for students of every ability. Beginners as well as students pursuing transfer music degrees will benefit from any College Voice class. Students are offered practical tools for accessing their inherent vitality, expressiveness, and grace. Performing opportunities include recitals, original operettas (Winter quarter) and collaboration with the WWCC Theatre Department. MUSC 117 is an introductory study of efficient vocal production and performance. Beginning exercises for breath management, extending the vocal range, increasing vocal resonance and volume, and singing in an expressive manner are introduced. Group singing and solos are performed to demonstrate these skills.

MUSC 118 College Voice III [HP] **1 - 2 Credits**
College voice classes offer instruction for students of every ability. Beginners as well as students pursuing transfer music degrees will benefit from any College Voice class. Students are offered practical tools for accessing their inherent vitality, expressiveness, and grace. Performing opportunities include recitals, original operettas (Winter quarter) and collaboration with the WWCC Theatre Department. MUSC 118 is an introductory study of efficient vocal production and performance. Beginning exercises for breath management, extending the vocal range, increasing vocal resonance and volume, and singing in an expressive manner are introduced. Group singing and solos are performed to demonstrate these skills.

MUSC 126 Jazz Combo I [HP] **1 - 3 Credits**
The jazz combo gives the student the opportunity to play jazz in a small group format, concentrating on improvisation in many different styles. The rehearsal schedule will include learning the standard repertoire as well as studying theory with an emphasis on improvisational skills. The combo performs regularly at concerts, school functions and professional engagements. Prerequisite: Instructor permission.

MUSC 127 Jazz Combo II [HP] **1 - 3 Credits**
The jazz combo gives the student the opportunity to play jazz in a small group format, concentrating on improvisation I many different styles. The rehearsal schedule will include learning the standard repertoire as well as studying theory with an emphasis on improvisational skills. The combo performs regularly at concerts, school functions, and professional engagements. Prerequisite: Instructor permission.

MUSC 128 Jazz Combo III [HP] **1 - 3 Credits**
The jazz combo gives the student the opportunity to play jazz in a small group format, concentrating on improvisation I many different styles. The rehearsal schedule will include learning the standard repertoire as well as studying theory with an emphasis on improvisational skills. The combo performs regularly at concerts, school functions, and professional engagements. Prerequisite: Instructor permission.

MUSC 131 Applied Music I **1 - 2 Credits**
Private music lessons with a college-approved instructor. One hour lesson per week for two credits, or one half-hour lesson per week for one credit. Ten lessons per term.

MUSC 132 Applied Music II **1 - 2 Credits**
Private music lessons with a college-approved instructor. One hour lesson per week for two credits, or one half-hour lesson per week for one credit. Ten lessons per term.

MUSC 133 Applied Music III **1 - 2 Credits**
Private music lessons with a college-approved instructor. One hour lesson per week for two credits, or one half-hour lesson per week for one credit. Ten lessons per term.

MUSC& 141 Music Theory I [H] **5 Credits**
The study of music logic, music theory, is intended to complement the musical intuition most vocalists and instrumentalists already have. Music is a complex and highly organized art, whether it is a Mozart concerto or a jazz improvisation. While providing a rational knowledge of music through the study of basic musical concepts and terminology, including analysis, composition, ear-training and sight singing, a study of music theory interacts with the musician's intuition, bringing a deeper understanding and appreciation of music. All students will learn to apply their knowledge to the keyboard in a basic though useful way.

MUSC& 142 Music Theory II [H] **5 Credits**
The study of music logic, music theory, is intended to complement the musical intuition most musicians and instrumentalists already have. Music is a complex and highly organized art, whether it is a Mozart concerto or a jazz improvisation. While providing a rational knowledge of music through the study of basic musical concepts and terminology, including analysis, composition, ear-training and sight singing, a study of music theory interacts with the musician's intuition, bringing a deeper understanding and appreciation of music. All students will learn to apply their knowledge to the keyboard in a basic though useful way. Prerequisite: Grade of C or better in MUSC& 141 or instructor permission.

MUSC& 143 Music Theory III [H] **5 Credits**
The study of music logic, music theory, is intended to complement the musical intuition most vocalists and instrumentalists already have. Music is a complex and highly organized art, whether it is a Mozart concerto or a jack improvisation. While providing a rational knowledge of music through the study of basic musical concepts and terminology, including analysis, composition, ear-training and sight singing, a study of music theory interacts with the musician's intuition, bringing a deeper understanding and appreciation of music. All students will learn to apply their knowledge to the keyboard in a basic though useful way. Prerequisite: Grade of C or better in MUSC& 141 or instructor permission.

MUSC 151 Large Ensemble Performance I **1 Credit**
Instrumental or vocal participation in a college-level organization with a regular rehearsal schedule, culminating in public concert performances. Open to all WWCC students who can perform with the required competencies. Formerly MUSC 141.

MUSC 152 Large Ensemble Performance II **1 Credit**
Instrumental or vocal participation in a college-level organization with a regular rehearsal schedule, culminating in public concert performances. Open to all WWCC students who can perform with the required competencies. Formerly MUSC 142.

MUSC 153 Large Ensemble Performance III **1 Credit**
Instrumental or vocal participation in a college-level organization with a regular rehearsal schedule, culminating in public concert performances. Open to all WWCC students who can perform with the required competencies. Formerly MUSC 143.

MUSC 161 Vocal Ensemble I [HP] **2 Credits**
The College Vocal Ensemble offers instruction for students of every ability. Beginners as well as students pursuing transfer music degrees will benefit from being a member of the Vocal Ensemble. Students are offered practical tools for accessing their inherent vitality, expressiveness and grace, while gaining vocal experience in an intimate choir setting. Work ethic, ensemble commitment, artistry, rehearsal technique, and expressiveness are emphasized. Performing opportunities include recitals, original operettas (Winter quarter) and collaboration with the WWCC Theatre Department.

MUSC 162 Vocal Ensemble II [HP] **2 Credits**
The College Vocal Ensemble offers instruction for students of every ability. Beginners as well as students pursuing transfer music degrees will benefit from being a member of the Vocal Ensemble. Students are offered practical tools for accessing their inherent vitality, expressiveness and grace, while gaining vocal experience in an intimate choir setting. Work ethic, ensemble commitment, artistry, rehearsal technique, and expressiveness are emphasized. Performing opportunities include recitals, original operettas (Winter quarter) and collaboration with the WWCC Theatre Department. Formerly MUS 162.

MUSC 163 Vocal Ensemble III [HP] **2 Credits**
The College Vocal Ensemble offers instruction for students of every ability. Beginners as well as students pursuing transfer music degrees will benefit from being a member of the Vocal Ensemble. Students are offered practical tools for accessing their inherent vitality, expressiveness and grace, while gaining vocal experience in an intimate choir setting. Work ethic, ensemble commitment, artistry, rehearsal technique, and expressiveness are emphasized. Performing opportunities include recitals, original operettas (Winter quarter) and collaboration with the WWCC Theatre Department.

MUSC 216 College Voice IV [HP] **1 - 2 Credits**
College voice classes offer instruction for students of every ability. Beginners as well as students pursuing transfer music degrees will

benefit from any College Voice class. Students are offered practical tools for accessing their inherent vitality, expressiveness, and grace. Performing opportunities include recitals, original operettas (Winter quarter) and collaboration with the WWCC Theatre Department. MUSC 216 offers a more in-depth study of specific elements of efficient vocal technique and performance. These include vocal purity, the International Phonetic Alphabet (IPA) and appropriate vocal literature for each individual. Choral singers, all music majors, elementary education majors as well as students who simply want to continue to improve their singing will benefit from this class.

MUSC 217 College Voice V [HP] **1 - 2 Credits**
College voice classes offer instruction for students of every ability. Beginners as well as students pursuing transfer music degrees will benefit from any College Voice class. Students are offered practical tools for accessing their inherent vitality, expressiveness, and grace. Performing opportunities include recitals, original operettas (Winter quarter) and collaboration with the WWCC Theatre Department. MUSC 217 offers a more in-depth study of specific elements of efficient vocal technique and performance. These include vocal purity, the International Phonetic Alphabet (IPA) and appropriate vocal literature for each individual. Choral singers, all music majors, elementary education majors as well as students who simply want to continue to improve their singing will benefit from this class.

MUSC 218 College Voice VI [HP] **1 - 2 Credits**
College voice classes offer instruction for students of every ability. Beginners as well as students pursuing transfer music degrees will benefit from any College Voice class. Students are offered practical tools for accessing their inherent vitality, expressiveness, and grace. Performing opportunities include recitals, original operettas (Winter quarter) and collaboration with the WWCC Theatre Department. MUSC 218 offers a more in-depth study of specific elements of efficient vocal technique and performance. These include vocal purity, the International Phonetic Alphabet (IPA) and appropriate vocal literature for each individual. Choral singers, all music majors, elementary education majors as well as students who simply want to continue to improve their singing will benefit from this class.

MUSC 226 Jazz Combo IV [HP] **1 - 3 Credits**
The jazz combo gives the student the opportunity to play jazz in a small group format, concentrating on improvisation I many different styles. The rehearsal schedule will include learning the standard repertoire as well as studying theory with an emphasis on improvisational skills. The combo performs regularly at concerts, school functions, and professional engagements. Prerequisite: Instructor permission.

MUSC 227 Jazz Combo V [HP] **1 - 3 Credits**
The jazz combo gives the student the opportunity to play jazz in a small group format, concentrating on improvisation I many different styles. The rehearsal schedule will include learning the standard repertoire as well as studying theory with an emphasis on improvisational skills. The combo performs regularly at concerts, school functions, and professional engagements. Prerequisite: Instructor permission.

MUSC 228 Jazz Combo VI [HP] **1 - 3 Credits**
The jazz combo gives the student the opportunity to play jazz in a small group format, concentrating on improvisation I many different styles. The rehearsal schedule will include learning the standard repertoire as well as studying theory with an emphasis on improvisational skills. The combo performs regularly at concerts, school functions, and professional engagements. Prerequisite: Instructor permission.

MUSC 231 Applied Music IV **1 - 2 Credits**
Private music lessons with a college-approved instructor. One hour lesson per week for two credits, or one half-hour lesson per week for one credit. Ten lessons per term.

MUSC 232 Applied Music V **1 - 2 Credits**
Private music lessons with a college-approved instructor. One hour lesson per week for two credits, or one half-hour lesson per week for one credit. Ten lessons per term.

MUSC 233 Applied Music VI **1 - 2 Credits**
Private music lessons with a college-approved instructor. One hour lesson per week for two credits, or one half-hour lesson per week for one credit. Ten lessons per term.

MUSC& 241 Music Theory IV [H] **5 Credits**
The study of music logic, music theory, is intended to complement the musical intuition most vocalists and instrumentalists already have. Music is a complex and highly organized art, whether it is a Mozart concerto or a jazz improvisation. While providing a rational knowledge of music through the study of singing, a study of music theory interacts with the musicianï¿?s intuition, bringing a deeper understanding and appreciation of music. All students will learn to apply their knowledge to the keyboard in a basic though useful way. Prerequisite: Grade of C or better in MUSC& 143 or instructor permission.

MUSC& 242 Music Theory V [H] **5 Credits**
The study of music logic, music theory, is intended to complement the musical intuition most vocalists and instrumentalists already have. Music is a complex and highly organized art, whether it is a Mozart concerto or a jazz improvisation. While providing a rational knowledge of music through the study of singing, a study of music theory interacts with the musicianï¿?s intuition, bringing a deeper understanding and appreciation of music. All students will learn to apply their knowledge to the keyboard in a basic though useful way. Prerequisite: Grade of C or better in MUSC& 241 or instructor permission.

MUSC& 243 Music Theory VI [H] **5 Credits**
The study of music logic, music theory, is intended to complement the musical intuition most vocalists and instrumentalists already have. Music is a complex and highly organized art, whether it is a Mozart concerto or a jazz improvisation. While providing a rational knowledge of music through the study of singing, a study of music theory interacts with the musicianï¿?s intuition, bringing a deeper understanding and appreciation of music. All students will learn to apply their knowledge to the keyboard in a basic though useful way. Prerequisite: Grade of C or better in MUSC& 242 or instructor permission.

MUSC 251 Large Ensemble Performance IV **1 Credit**
Instrumental or vocal participation in a college-level organization with a regular rehearsal schedule, culminating in public concert performances. Open to all WWCC students who can perform with the required competencies. Formerly MUSC 241.

MUSC 252 Large Ensemble Performance V **1 Credit**
Instrumental or vocal participation in a college-level organization with a regular rehearsal schedule, culminating in public concert performances.

Open to all WWCC students who can perform with the required competencies. Formerly MUSC 242.

MUSC 253 Large Ensemble Performance VI **1 Credit**
Instrumental or vocal participation in a college-level organization with a regular rehearsal schedule, culminating in public concert performances. Open to all WWCC students who can perform with the required competencies. Formerly MUSC 243.

MUSC 261 Vocal Ensemble IV [HP] **2 Credits**
The College Vocal Ensemble offers instruction for students of every ability. Beginners as well as students pursuing transfer music degrees will benefit from being a member of the Vocal Ensemble. Students are offered practical tools for accessing their inherent vitality, expressiveness and grace, while gaining vocal experience in an intimate choir setting. Work ethic, ensemble commitment, artistry, rehearsal technique, and expressiveness are emphasized. Performing opportunities include recitals, original operettas (Winter quarter) and collaboration with the WWCC Theatre Department.

MUSC 262 Vocal Ensemble V [HP] **2 Credits**
The College Vocal Ensemble offers instruction for students of every ability. Beginners as well as students pursuing transfer music degrees will benefit from being a member of the Vocal Ensemble. Students are offered practical tools for accessing their inherent vitality, expressiveness and grace, while gaining vocal experience in an intimate choir setting. Work ethic, ensemble commitment, artistry, rehearsal technique, and expressiveness are emphasized. Performing opportunities include recitals, original operettas (Winter quarter) and collaboration with the WWCC Theatre Department.

MUSC 263 Vocal Ensemble VI [HP] **2 Credits**
Choral participation providing vocal experience for all interested students who have a background in music and singing. Formerly MUS 263.

MUSC 299 Special Projects **1 - 5 Credits**
This course provides an opportunity for independent study with a faculty member advisor. Students may earn one to five credits.

Nail Technology

NAIL 111 Principles and Procedures of Nail Technology I 11 Credits
Introduction and overview of all aspects of nail technology. Topics include: cleaning/disinfecting, sterilization, scientific concepts, manicuring, pedicuring, anatomy and physiology of the hand and foot, chemistry, electricity, and enhancement services. Emphasizes safety and first aid in all instruction. Prerequisite: Instructor permission. Co-requisite: NAIL 112.

NAIL 112 Nail Technology I Practical Application **7 Credits**
Introduction to the basic services of nail technology. Practice in cleaning/disinfecting, sterilization, scientific concepts, manicuring, pedicuring, and introduction to all enhancement services. Co-requisite: NAIL 111.

NAIL 121 Principles and Procedures of Nail Technology II 11 Credits
Advanced instruction of nail technology. Topics: cleaning/disinfecting, sterilization, scientific concepts, manicuring, pedicuring, advanced technology of nail enhancement services. Emphasis on safety and cleaning/disinfecting measures in all instruction. Prerequisite: NAIL 111. Co-requisite: NAIL 122.

NAIL 122 Nail Technology II Practical Application **7 Credits**
Advanced instruction of nail technology including add-on services. Continue to independently and safely practice nail technology methods at level IV. This course is designed to allow students to complete the remainder of the degree requirement of 600 hours and 2 quarters, as required by state law and WWCC, respectively. Prerequisite: NAIL 121. Co-requisite: NAIL 121

Nursing Assistant

NA 027 Nurse Delegation **0.9 Credit**
Students who earn this certificate can perform specific RN delegated tasks with additional training in community healthcare settings (e.g. Assisted Living, Adult Family Homes, Homecare, and Private care). Certified Home Care Aides (HCAs), Nursing Assistants-Certified (NA-Cs), and Nursing Assistants-Registered (NA-Rs) are required to take this course before accepting delegated tasks in these settings. Without the Nurse Delegation certificate, there are certain instances when a family member, a friend or licensed nurse must be present to administer the medications in these settings. This course meets Washington State DSHS/ADSA requirements for training in Nurse Delegation. The course grade is determined by a combination of the grade on the final exam, attendance for t hours of class, and completion of Delegation Workbook exercises. A grade of 8O% is required to receive a passing grade for the course. Students completing this course will receive a Certificate of Completion.

NA 100 Nursing Assistant **8 Credits**
This course prepares the student with the skills and behaviors needed for working under the direction of licensed medical professionals in administering basic nursing care to patients. Students who successfully complete the classroom, laboratory, and clinical requirements will be eligible to take the National Nurse Aide Assessment Program (NNAAP) examination. This course is approved by the State of Washington Department of Health. An application is required and available in the Nursing Education Department or by calling 509-527-4240. Prerequisite: READ 088 or CASAS Level 5.

NA 112 Nursing Assistant Review **.4 Credit**
Students enrolling in this course review content and skill performance areas that are expected on the Nursing Assistant State Exam. Students have access to practice exams, skills videos, simulation lab and a skills evaluation with instructor feedback. Must provide proof of completing a Nursing Assistant Program in Washington State. Prerequisite: Instructor permission.

Nursing Education

NURS 100 Fundamentals of Nursing **4 Credits**
Fundamental principles of nursing care are presented. Content areas related to nursing process, safety and infection control, health promotion and maintenance, basic care and comfort, pharmacological therapies, reduction of risk potential, and physiological adaptation are presented. Care specific to adult and geriatric patients is emphasized. Prerequisite: Admission to the Nursing program. Co-requisite: NURS 110

NURS 101 Beginning Nursing Concepts I **5 Credits**
A continuation of the principles of nursing care introduced in NURS 100. Content areas related to safe and effective care environment, health promotion and maintenance, pharmacological and parenteral

therapies, and physiological adaptation for disease processes in selected body systems are presented. Care across the lifespan in acute care environments is emphasized. Prerequisites: Admission to Nursing Program; NURS 100 and 110. Co-Requisite: NURS 111.

NURS 102 Beginning Nursing Concepts II 6 Credits
A continuation of the principles of nursing care introduced in NURS 101. Content areas related to safe and effective care environment, health promotion and maintenance, pharmacological and parenteral therapies, and physiological adaptation to normal life processes or disease processes in selected body systems in presented. Care specific to the obstetrical patient and adults in the acute care environment is emphasized. Prerequisites: Admission to the Nursing Program; NURS 101 and 111. Co-requisite: NURS 112.

NURS 110 Fundamentals Practicum 4 Credits
This course applies theory from NURS 100. The focus is on the management of care of older adults in the long-term care environment. Prerequisite: Admission to the Nursing program. Co-requisite: NURS 100.

NURS 111 Practicum I 4 Credits
This course applies theory from NURS 101. The focus is on the management of care for all age groups in the acute care environment. Prerequisite: Admission to the Nursing Program; NURS 100 and 110. Co-requisite: NURS 101.

NURS 112 Practicum II 4 Credits
This course applies theory from NURS 102. The focus is on the management of care for all age groups in the acute care environment and labor and delivery. Prerequisites: Admission to the Nursing Program; NURS 101 and 111. Co-requisite: NURS 102.

NURS 140 Ethics and Policy in Healthcare I [H] 1 Credit
Explores values, ethics, and legal decision-making frameworks and policies used to support the well-being of people and groups within the context of the healthcare professions. Student may not receive credit for both NURS 140 and PHIL 140. Prerequisite: Admission to the Nursing Program. Co-Requisites: NURS 100 and NURS 110 or instructor permission.

NURS 142 Ethics and Policy in Healthcare II [H] 1 Credit
Explores values, ethics, and legal decision-making frameworks and policies used to support the well-being of people and groups within the context of the healthcare professions. This is a continuation of content from NURS 140. Students may not receive credit for both NURS 142 and PHIL 142. Prerequisite: Admission to the nursing program; NURS 140. Co-requisites: NURS 102 and NURS 112 or instructor permission.

NURS 150 Psychosocial Issues in Healthcare I and II [SS] 2 Credits
Examines some determinants of health and illness including social, psychological, environmental, spiritual, and cultural dimensions across the lifespan and within the context of healthcare. Students may not receive credit for both NURS 150 and PSYC 150. Prerequisite: Admission to the Nursing Program. Co-requisites: NURS 100 and NURS 110 or instructor permission.

NURS 151 Psychosocial Issues in Healthcare III [SS] 1 Credit
Examines some determinants of health and illness including social, psychological, environmental, spiritual, and cultural dimensions across the lifespan and within the context of healthcare. This is a continuation of content from NURS 150. Student may not receive credit for both NURS 151 and PSYC 151. Prerequisite: Admission to Nursing Program; NURS 150. Co-requisite: NURS 101 and NURS 111 or instructor permission.

NURS 195 LPN Professional and Vocational Relationships 2 Credits
This online course prepares the nursing student who has successfully completed through the fourth quarter of the WWCC Nursing Program (Fall quarter, second-year nursing) to be eligible to apply to become a licensed Practical Nurse (LPN) in Washington State. It addresses the laws and regulations that govern LPN nursing practice in Washington State and the standards for professional behavior of the LPN.

NURS 200 Advanced Nursing Concepts I 5 Credits
A continuation of nursing principles introduced in NURS 102. Content areas related to safe and effective care environment, health promotion and maintenance, pharmacological and parenteral therapies, and physiological adaptation is presented for patients with disease processes in select body systems. Care specific to both the acute care and community healthcare environments is emphasized. Admission to the Nursing Program; NURS 102 and 112. Co-requisite: NURS 210.

NURS 201 Advanced Nursing Concepts II 5 Credits
A continuation of the nursing principles introduced in NURS 200. The focus is on providing care to clients with complex care needs related to obstetrical conditions and disease processes in selected body systems. Prerequisites: NURS 200 and 210. Co-requisite: NURS 211.

NURS 202 Advanced Nursing Concepts III 7 Credits
A continuation of nursing principles introduced in NURS 201. Content areas related to safe and effective care environment, health promotion and maintenance, pharmacological and parenteral therapies, and physiological adaptation for patients with disease processes in selected body systems is presented. Care specific to intensive and emergency care settings is emphasized. Prerequisites: Admission to the Nursing Program; NURS 201 and 211. Co-requisite: NURS 212.

NURS 210 Practicum III 6 Credits
This course applies theory from NURS 200. The focus is on the management of care of patients in acute care, mental health, and community healthcare environments. Prerequisites: Admission to the Nursing Program; NURS 102 and 112. Co-requisite: NURS 200.

NURS 211 Practicum IV 6 Credits
This course applies theory from NURS 201. The focus is on the management of care of patients in acute care, mental health, and community healthcare environments. Prerequisites: Admission to the Nursing Program; NURS 200 and 210. Co-requisite: NURS 201.

This course is effective Winter 2017. For MCO prior to Winter 2017 click here.

NURS 212 Practicum V 4 Credits
This course applies theory from NURS 202. The focus is on the management of care of patients in acute care, mental health, and community healthcare environments. Each student completes a "Focused Practicum" experience with a nurse preceptor as a transition to practice as a registered nurse. Prerequisites: Admission to the Nursing Program; NURS 201 and 211. Co-requisite: NURS 202.

This course is effective Spring 2017. For MCO prior to Spring 2017 click here.

NURS 240 Ethics and Policy in Healthcare III [H] **1 Credit**
Explores values, ethics, and legal decision-making frameworks and policies used to support the well-being of people and groups within the context of the healthcare professions. This is a continuation of content from NURS 140 and NURS 142. Student may not receive credit for both NURS 240 and PHIL 240. Prerequisite: Admission to the Nursing Program; NURS 140 and NURS 142. Co-requisite: NURS 200 and NURS 210. Effective Fall 2016.

NURS 241 Ethics and Policy in Healthcare IV [H] **1 Credit**
Explores values, ethics, and legal decision-making frameworks and policies used to support the well-being of people and groups within the context of the healthcare professions. This is a continuation of content from NURS 140, 142, and 240. Student may not receive credit for both NURS 241 and PHIL 241. Prerequisite: Admission to the Nursing Program; NURS 140, NURS 142, and NURS 240. Co-Requisite: NURS 201 and NURS 211. Effective Winter 2017.

NURS 242 Ethics and Policy in Healthcare V [H] **1 Credit**
Explores values, ethics, and legal decision-making frameworks and policies used to support the well-being of people and groups within the context of the healthcare professions. This is a continuation of content from NURS 140, 142, 240, and 241. Student may not receive credit for both NURS 242 and PHIL 242. Prerequisite: Admission to the Nursing Program; NURS 140, 142, 240, and 241. Co-Requisite: NURS 202 and NURS 212. Effective Spring 2017.

NURS 250 Psychosocial Issues in Healthcare IV [SS] **1 Credit**
Examines some determinants of health and illness including social, psychological, environmental, spiritual, and cultural dimensions across the lifespan and within the context of healthcare. This is a continuation of content from NURS 150 and NURS 151. Student may not receive credit for both NURS 250 and PSYC 250. Prerequisite: Admission to the Nursing Program; NURS 150 and NURS 151. Co-Requisite: NURS 200 and NURS 210. Effective Fall 2016.

NURS 251 Psychosocial Issues in Healthcare V [SS] **1 Credit**
Examines some determinants of health and illness including social, psychological, environmental, spiritual, and cultural dimensions across the lifespan and within the context of healthcare. This is a continuation of content from NURS 150, 151 and 250. Student may not receive credit for both NURS 251 and PSYC 251. Prerequisite: Admission to the Nursing Program; NURS 150, 151 and 250. Co-Requisite: NURS 201 and NURS 211. Effective Winter 2017.

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.

Nutrition

NUTR& 101 Nutrition [NS] **5 Credits**
This non-lab science course emphasizes the principles of nutrition and is primarily intended for Nursing or Allied Health majors in fulfillment of a nutrition requirement for pre-nursing or healthcare related program requirements; however, this course may also be used in fulfillment of a general education non-lab science requirement. Topics include: dietary recommendations for adults and various states of the human life cycle and the principles of nutrition as the apply to macro-nutrients and metabolic pathways. Formerly NUTR 165, General Nutrition. Prerequisite: Appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088 or higher and CHEM& 110 or high school chemistry. [NS]

Oceanography

OCEA& 101 Introduction to Oceanography w/Lab [NS] **5 Credits**
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. Lab work required. Prerequisite: Appropriate placement score or grade of C or higher in ENGL 087 or permission of the Science Division Chair or designee. Recommended: READ 088. Formerly OCE 101, Intro to Oceanography.

Philosophy

PHIL& 101 Introduction to Philosophy [H] **5 Credits**
This course will focus on the study of basic principles in western philosophy, examining representative philosophical topics such as the existence of God, epistemology and human nature as theorized by Socrates, Plato, Aristotle, St. Thomas Aquinas, Epictetus, Descartes, Pascal, Hobbes, Locke, James, Marx and Mill. Recommended: READ 088 or higher and ENGL 097. Formerly PHIL 101, Intro to Philosophy I.

PHIL 103 Asian Philosophy [D, H] **5 Credits**
This course introduces central ideas, metaphors, and images of the philosophical/religious traditions of East Asia: students define, differentiate, and interpret concepts of value, self, and reality, as well as unique concepts in Eastern social and political philosophy and aesthetics in Hinduism, Jainism, Buddhism, Confucianism, Taoism, and other traditions of India, China, Korea and Japan.

PHIL& 115 Critical Thinking [D, H] **5 Credits**
This course will study the attitudes, skills, and theories involved with critical thinking, including an introduction to informal and formal logic. Formerly PHIL 120, Critical Thinking.

PHIL& 117 Traditional Logic [H, Q] **5 Credits**
Introduction to systematic techniques for assessing the validity of arguments: Venn Diagrams, truth tables, abbreviated truth tables, propositional calculus including rules of inference, and axioms of replacement. Prerequisite: Appropriate placement score or grade C or higher in MATH 078, MATH 078E, and MATH 079.

PHIL 131 Introduction to Ethics [H] **5 Credits**
This course will focus on the study and discussion of the original writings of classic moral philosophers. The moral theories of Plato, Aristotle, Epicurus, Epictetus, Hobbes, Mill, Kant, Kierkegaard, Hallie, Midgley and Noddings will be examined, analyzed, compared and contrasted.

PHIL 140 Ethics and Policy in Healthcare I [H] **1 Credit**
Explores values, ethics, and legal decision-making frameworks and policies used to support the well-being of people and groups within the context of the healthcare professions. Student may not receive credit for PHIL 140 and NURS 140. Prerequisite: Admission to the Nursing Program. Co-Requisites: NURS 100 and NURS 110 or instructor permission.

PHIL 142 Ethics and Policy in Healthcare II [H] **1 Credit**
Explores values, ethics, and legal decision-making frameworks and policies used to support the well-being of people and groups within the context of the healthcare professions. This is a continuation of content from PHIL 140. Students may not receive credit for both PHIL 142 and NURS 142. Prerequisite: Admission to the nursing program; PHIL 140. Co-requisites: NURS 102 and NURS 112 or instructor permission.

PHIL 152 Social and Political Philosophy [H] **5 Credits**
This course will focus on an analysis of the various theories and selections of original writings from major western political philosophers such as Plato, Hobbes, Locke, Rousseau, Mill, Marx, and Rawls. In addition, Martha Nussbaum and key feminist political theorists such as Julia Kristeva will be discussed. Recommended: PHIL&101, READ 088 or higher and ENGL 097.

PHIL 205 Philosophy of Religion [H] **5 Credits**
Examines the notions of God through topics which include the existence and nature of God, the problem of evil, issues in religious ethics, and the relationship between faith and reason, including the question of miracles. Recommended: READ 088 or higher and ENGL 097.

PHIL 240 Ethics and Policy in Healthcare III [H] **1 Credit**
Explores values, ethics, and legal decision-making frameworks and policies used to support the well-being of people and groups within the context of the healthcare professions. This is a continuation of content from PHIL 140 and PHIL 142. Student may not receive credit for both PHIL 240 and NURS 240. Prerequisite: Admission to the Nursing Program; PHIL 140 and PHIL 142. Co-requisite: NURS 200 and NURS 210. Effective Fall 2016.

PHIL 241 Ethics and Policy in Healthcare IV [H] **1 Credit**
Explores values, ethics, and legal decision-making frameworks and policies used to support the well-being of people and groups within the context of the healthcare professions. This is a continuation of content from PHIL 140, 142, and 240. Student may not receive credit for both PHIL 241 and NURS 241. Prerequisite: Admission to the Nursing Program; PHIL 140, PHIL 142, and PHIL 240. Co-Requisite: NURS 201 and NURS 211. Effective Winter 2017.

PHIL 242 Ethics and Policy in Healthcare V [H] **1 Credit**
Explores values, ethics, and legal decision-making frameworks and policies used to support the well-being of people and groups within the context of the healthcare professions. This is a continuation of content from PHIL 140, 142, 240, and 241. Student may not receive credit for both PHIL 242 and NURS 242. Prerequisite: Admission to the Nursing Program; PHIL 140, 142, 240, and 241. Co-Requisite: NURS 202 and NURS 212. Effective Spring 2017.

PHIL 330 Professional Ethics **5 Credits**
Investigates ethical problems in business through ethical theory and case studies. Involves original research and discussion of business related ethical issues such as social responsibility in corporate governance, proprietary information, whistle-blowers, sustainability as a value system, and equity in hiring and advancement. Prerequisite PHIL 131 Introduction to Ethics.

Physical Education and Recreation

HPER 103 Cross Training Cardio I [PE] **1 Credit**
A total body workout combining kickboxing, step, intervals, resistance training, Pilates, sports conditioning, dance and just about anything cardio or sculpting. Designed to help cross train your body. Abdominal training included.

HPER 105 Jogging [PE] **1 Credit**
This course will explore the theory, knowledge, and practical experience in the principles of jogging and its relationship to lifetime fitness.

HPER 107 Tone Zone I [PE] **1 Credit**
The Tone Zone will introduce students to basic fitness principles, exercise routines, and assessment tools needed to develop lifelong exercise habits. The course will utilize variable resistance strength machines, free weights, stretching routines and various cardiovascular exercises.

HPER 108 Tone Zone II [PE] **1 Credit**
The Tone Zone will introduce students to basic fitness principles, exercise routines, and assessment tools needed to develop lifelong exercise habits. This course will utilize variable resistance strength machines, free weights, stretching routines, and various cardiovascular exercises.

HPER 109 Tone Zone III [PE] **1 Credit**
The Tone Zone will introduce students to basic fitness principles, exercise routines, and assessment tools needed to develop lifelong exercise habits. The course will utilize variable resistance strength machines, free weights, stretching routines, and various cardiovascular exercises.

HPER 110 Speed Training I [PE] **1 Credit**
This course will explore the theory, knowledge, and practical experience in speed and agility conditioning on various types of equipment to achieve personal fitness goals.

HPER 111 Cross Training Cardio II [PE] **1 Credit**
A total body workout combining kickboxing, step, intervals, resistance training, Pilates, sports conditioning, dance and just about anything cardio or sculpting. Designed to help cross train your body. Abdominal training included.

HPER 122 Weight Training I [PE] **1 Credit**
This course explores the theory, knowledge and practical experience in the principles of weight training and its relationship to lifetime fitness.

HPER 123 Weight Training II [PE] **1 Credit**
This course explores the theory, knowledge and practical experience in the principles of weight training and its relationship to lifetime fitness.

HPER 124 Weight Training III [PE] **1 Credit**
This course explores the theory, knowledge and practical experience in the principles of weight training and its relationship to lifetime fitness.

HPER 137 Zumba I [PE] **1 Credit**
Zumba is a fusion of Latin and International Music and Dance themes creating a dynamic, exciting and effective fitness system; both fast and slow rhythmic training will be used. Students will join the fun party-like atmosphere and will receive feedback as they monitor caloric burn. Current fitness level will be assessed and analyzed using accepted measurement techniques. Those measurement tools will be used throughout the quarter to measure fitness progress and students will

be taught how to apply these tools to any form of cardio work. Students will also have an opportunity to improve dance skills.

HPER 138 Zumba II [PE] **1 Credit**
Zumba is a fusion of Latin and International Music and Dance themes creating a dynamic, exciting and effective fitness system; both fast and slow rhythmic training will be used. Students will join the fun party-like atmosphere and will receive feedback as they monitor caloric burn. Current fitness level will be assessed and analyzed using accepted measurement techniques. Those measurement tools will be used throughout the quarter to measure fitness progress and students will be taught how to apply these tools to any form of cardio work. Students will also have an opportunity to improve dance skills.

HPER 139 Archery I [PE] **1 Credit**
This course, designed for the beginning or intermediate archer, will expose students to the sport's history, terminology, equipment, etiquette, and skill fundamentals.

HPER 140 Archery II [PE] **1 Credit**
This course, designed for the beginning or intermediate archer, will expose students to the sport's history, terminology, equipment, etiquette, and skill fundamentals.

HPER 144 Walking I [PE] **1 Credit**
This course explores the theory, knowledge and practical experience in the principles of walking and its relationship to lifetime fitness.

HPER 147 Walking II [PE] **1 Credit**
This course explores the theory, knowledge and practical experience in the principles of walking and its relationship to lifetime fitness.

HPER 148 Walking III [PE] **1 Credit**
This course explores the theory, knowledge and practical experience in the principles of walking and its relationship to lifetime fitness.

HPER 156 Beginning Yoga I [PE] **1 Credit**
This activity course will emphasize the techniques and tools and practices of yoga. Yoga poses, stress management methods, the lifetime fitness value of yoga, and anatomy of the body will be explored.

HPER 157 Beginning Yoga II [PE] **1 Credit**
This activity course will emphasize the techniques and tools and practices of yoga. Yoga poses, stress management methods, the lifetime fitness value of yoga, and anatomy of the body will be explored.

HPER 160 Basic Rodeo Skills and Rules [PE] **2 Credits**
This high intensity sports activity course will emphasize the skills, strategies, etiquette, and safety of college rodeo.

HPER 161 Intermediate Rodeo Skills and Rules [PE] **2 Credits**
This high intensity sports activity course will emphasize the skills, strategies, etiquette, and safety 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 166 Online Yoga I [PE] **1 Credit**
This course will explore the theory, knowledge, research, and online discussions exploring general yoga principles and lifetime fitness. The workout component will be in the concurrently enrolled HPER 167 class.

HPER 167 Online Yoga II [PE] **1 Credit**
This activity course will emphasize the practice of yoga. Concurrent enrollment in HPER 166 required.

HPER 171 Basketball Skills and Rules [PE] **2 Credits**
This high intensity sports activity course will emphasize skills, strategies, safety, methods, and materials in competitive sports.

HPER 172 Baseball/Softball Skills and Rules [PE] **2 Credits**
This high intensity sports activity course will emphasize skills, strategies, safety, methods, and materials in competitive sports.

HPER 174 Volleyball Skills and Rules [PE] **2 Credits**
This high intensity sports activity course will emphasize skills, strategies, safety, methods, and materials in competitive sports.

HPER 176 Golf Skills and Rules [PE] **2 Credits**
This high intensity sports activity course will emphasize skills, strategies, safety, methods, and materials in competitive sports.

HPER 177 Soccer Skills and Rules [PE] **2 Credits**
This high intensity sports activity course will emphasize skills, strategies, safety, methods, and materials in competitive sports.

HPER 181 Basketball Methods and Materials [PE] **2 Credits**
This high intensity sports activity course will emphasize skills, strategies, safety, methods, and materials in competitive sports

HPER 182 Baseball/Softball Methods and Materials [PE] **2 Credits**
This high intensity sports activity course will emphasize skills, strategies, safety, methods, and materials in competitive sports.

HPER 184 Volleyball Methods and Materials [PE] **2 Credits**
This high intensity sports activity course will emphasize skills, strategies, safety, methods, and materials in competitive sports.

HPER 186 Golf Methods and Materials [PE] **2 Credits**
This high intensity sports activity course will emphasize skills, strategies, safety, methods, and materials in competitive sports.

HPER 187 Soccer Methods and Materials [PE] **2 Credits**
This high intensity sports activity course will emphasize skills, strategies, safety, methods, and materials in competitive sports.

HPER 188 Basic Fitness I [PE] **1 Credit**
This course will explore the theory knowledge, research, and online discussions exploring general exercise principles and lifetime fitness. The workout component will be included in the concurrently enrolled HPER 189 class.

HPER 189 Basic Fitness II [PE] **1 Credit**
This activity course will emphasize the practice of basic fitness. Concurrent enrollment in HPER 188 is required.

HPER 190 Basic Fitness III [PE] **1 Credit**
This activity course will emphasize the practice of basic fitness. Prerequisite: HPER 188 and 189.

HPER 264 Stress Management **3 Credits**
Stress is a normal part of life. Some of the most common triggers associated with stress will be discussed. Students will learn techniques

to manage these stressors in a healthful way. Both physical and mental coping skills will be explored. This course counts as an ELECTIVE toward an AA degree, NOT as an ACTIVITY COURSE.

HPER 267 Outdoor Recreation **5 Credits**
This course explores the history, development, principles and trends of National Parks, outdoor recreation, facility development, liability, and recreation leadership. Active participation in many recreation activities. This course counts as an ELECTIVE toward an AA degree, NOT as an ACTIVITY COURSE.

HPER 268 Diversity in Sports [D] **5 Credits**
This course will examine diversity issues in the sporting world from the 1930's to present day. Topics will include athletes that have overcome social biases such as race, gender, religion and disability in the context of the Olympics, Special Olympics, Paralympics, NCAA and professional sports. This course counts an elective and diversity credit toward the AA degree, not as an activity course.

HPER 274 Personal and Community Health and Hygiene **5 Credits**
This course will present current information to students and enable them to make intelligent decisions concerning their physical, mental, and social well-being. The importance of positive personality and self-image is also stressed as a basis for sound health decisions. This course counts as an ELECTIVE toward an AA degree, NOT as an ACTIVITY COURSE.

HPER 275 Prevention and Care of Athletic Injury **5 Credits**
This course will cover basic knowledge for the prevention and recognition of athletic injuries and illnesses. Students will develop skills necessary to treat minor injuries and tape/brace prophylactically or after an injury. Class will be in lecture format with a lab component. Counts as an ELECTIVE toward an AA degree, NOT as an ACTIVITY COURSE.

Physics

PHYS& 110 Phys Non-Sci Majrs w/Lab [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. Appropriate placement score or grade of C or higher in MATH 074C or MATH 075; appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088 or higher. Formerly PHYS 110, Conceptual Physics.

PHYS& 114 General Phys I w/Lab [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: Appropriate placement score or grade of C or higher in MATH 078, MATH 078E, or MATH 079; appropriate placement score or grade of C or higher in ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088 or higher; basic knowledge of trigonometry. Formerly PHYS 121, College Physics I.

PHYS& 115 General Phys II w/Lab [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& 114. Formerly PHYS 122, College Physics II.

PHYS& 116 General Phys III w/Lab [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& 115. Formerly PHYS 123, College Physics III.

PHYS 199 Special Topics **1 - 5 Credits**
Opportunity for students to pursue special interests and topics in physics. Requires working with physics faculty to develop a project and to determine the research and presentational methods as well as outcomes to be achieved and assessed.

PHYS& 221 Engr Physics I w/Lab [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 ENGL 087; or permission of the Science Division Chair or designee. Recommended: READ 088 or higher. Co-requisite: MATH& 151. Formerly PHYS 201, Physics for Science and Engineering I.

PHYS& 222 Engr Physics II w/Lab [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& 221. Co-requisite: MATH& 152. Formally PHYS 202, Physics for Science and Engineering II.

PHYS& 223 Engr Physics III w/Lab [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& 222. Co-requisite: MATH& 153. Formerly PHYS 203, Physics for Science and Engineering III.

Political Science

POLS 120 The American Presidency [SS] **5 Credits**
A historical and analytical examination of the Executive Branch of the United States government. Primary areas of emphasis include: leadership styles of each President, evolutionary changes in the power of the office, and the consequences of each on the country. Recommended: READ 088 or higher. Student may not earn credit for both HIST 120 and POLS 120. Formerly PSCI 120.

POLS& 202 American 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 of how our national government works in response to legitimate

political needs. Content is provided via: lecture, discussion, videos and current supplementary readings. Recommended: READ 088 or higher. Formerly PSCI 101, American National Government.

POLS 204 Constitutional Law [SS] **5 Credits**
Examination of the United States Constitution and amendments. Special attention is given to the effects of constitutional principles on civil society and the criminal justice system. Topics include: Historical overview, legal principles, due process, rights & liberties, and practical applications within the criminal justice system. Recommended: READ 088 or higher. Formerly PSCI 204.

POLS 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 special attention given to both the policy makers and critics of our nation's position on significant international issues from the colonial period to the beginning of the 20th Century. Recommended: READ 088 or higher. Student may not earn credit for both POLS 211 and HIST 211. Formerly PSCI 211.

POLS 212 U.S. in World Affairs II [SS] **5 Credits**
Examination of American involvement in international affairs since 1898. Study includes this country's foreign policy actions as a world power, with special attention given to both the policy makers and critics of our nation's position on significant international issues from the Spanish-American War to the present. Recommended: READ 088 or higher. Student may not earn credit for both POLS 212 and HIST 212. Formerly PSCI 212.

POLS 222 Agricultural and Water Policy [SS] **5 Credits**
This course covers goals, methods, and results of government programs and policies in the agriculture and natural resource industries. This includes the study of international trade policies, domestic farm policies, food safety and quality issues, resource issues and how these affect agribusiness, locally, nationally and internationally. The course will also cover western water policy with an emphasis on Washington State water policy, water rights and how these policies affect natural resources and agribusiness. Recommended: One quarter economics. Student may not earn credit for both POLS 222 and AGRI 222. Formerly PSCI 222.

Precision Machining Technology

PMT 109 Introduction to Precision Machining **5 Credits**
Provide orientation and initial experiences with the safe configuration, set-up, operation, horizontal miling machines, lathes, and related components, tools, knowledge, and skills.

PMT 111 Precision Machining Basics I **5 Credits**
Training in the practice of precision measuring tools and bench work. Shop applications include layout technique, drill sharpening, bandsaw operations and proceed into basic lathe theory and applications. Safety and application of precision measurements are component to these studies. Pre-requisites: PMT 109 and AMATH 106.

PMT 121 Precision Machining Basics II **5 Credits**
This course covers theory, operations, and safe application of lathes, milling machines, and precision grinders. It also includes calculations of the dividing head, an assortment of trigonometry problems, and beginning introductions into Computer Numerical Control (CNC). Pre-requisites: PMT 109, AMATH 106, and PMT 111

Psychology

PSYC& 100 General Psychology [SS] **5 Credits**
Introduction to the factors which influence human behavior and thinking, as well as the complexities of the relationship between body and mind. The outcome of this course should be a clearer understanding of individual behavior. Critical thinking skills and practical applications are emphasized. Recommended: READ 088 or higher. Formerly PSY 101, Introduction to Psychology.

PSYC 111 Psychology of Relationships [SS] **5 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.

PSYC 139 Psychology of Women [SS] **5 Credits**
Explore the historical, cultural, and biological development of growing up female. Also examined are the social and psychological perspectives of female identity, traditional and non-traditional roles, values, sexuality, dependency, emotions, physical and mental health issues, and the changing perception of femininity and masculinity. Formerly PSY 139. Student may not earn credit for both PSYC 139 and GWST 139. Recommended: READ 088 or higher.

PSYC 140 Career and Education Planning **3 Credits**
The educational and career demands of the 21st century require individuals to evaluate the relevancy of well-worn pathways to success and achieve interdependence in the pursuit of developing identity. This course will provide students with the opportunity to explore education and career identity development. Readings, assessments, and applying theory to self and others will promote self-understanding and connect the implications of motivation, decision making, self-efficacy, the work we do, and the sense of community we experience. Recommended: ENGL 077 and READ 088. Formerly PSY 140.

PSYC 150 Psychosocial Issues in Healthcare I and II [SS] **2 Credits**
Examines some determinants of health and illness including social, psychological, environmental, spiritual, and cultural dimensions across the lifespan and within the context of healthcare. Student may not receive credit for both PSYC 150 and NURS 150. Prerequisite: Admission to the Nursing Program. Co-Requisite: NURS 100 and NURS 110 or instructor permission.

PSYC 151 Psychosocial Issues in Healthcare III [SS] **1 Credit**
Examines some determinants of health and illness including social, psychological, environmental, spiritual, and cultural dimensions across the lifespan and within the context of healthcare. This is a continuation of content from PSYC 150. Student may not receive credit for both PSYC 151 and NURS 151. Prerequisite: Admission to Nursing Program; PSYC 150. Co-requisite: NURS 101 and NURS 111 or instructor permission.

PSYC 160 Psychology of Criminal Behavior [SS] **5 Credits**
Study of criminal behavior from a psychological perspective. Special emphasis on psychiatric diagnoses most frequently encountered in the criminal justice system. Recommended: READ 088 or higher. Formerly PSY 160.

PSYC& 180 Human Sexuality [D, SS] **5 Credits**
Study of sexual facts, attitudes, morals, and behavior. Examination of how society impacts our sexual values and behavior, as well as exploration of diverse experiences of others. Course will cover basic biology, as well as a focus on psychosocial issues related to and impacting sexual behaviors. Course for adults -- lectures and films may contain explicit language, nudity, and graphic material. Student may not earn credit for both PSYC& 180 and GWST 180. Course taken prior to fall 2010 also accepted for diversity requirement. Formerly PSYC 113. Prerequisite: Appropriate placement score or grade of C or higher in ENGL 097. Recommended: READ 088 or higher.

PSYC 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. Formerly PSY 196. Recommended: READ 088 or higher.

PSYC& 200 Lifespan Psychology [SS] **5 Credits**
An in-depth study of human development focusing on the biological, cognitive, and psychosocial domains of each of the stages of the lifespan from birth to death. Recommended: READ 088 or higher. Formerly PSY 103, Developmental Psychology.

PSYC 205 Social Psychology [D, SS] **5 Credits**
Study of how the behavior presence of others impacts individual behavior and attitudes. Topics include conformity, obedience, aggression, prejudice, persuasion, interpersonal attraction, self-justification, and group processes. Recommended: READ 088 or higher. Course taken prior to fall 2010 also accepted for diversity requirement. Formerly PSY 205.

PSYC 207 Psychology of Personality [SS] **5 Credits**
Introduction to the study of personality, including an overview of the major theories and practical applications to psychological adjustment in daily life. Prerequisite: PSYC& 100. Recommended: READ 088 or higher.

PSYC 210 Psychology of Bullying [SS] **5 Credits**
Psychology of bullying is a course designed to acquaint the student with research information about the background factors, outcomes, consequences personally to society, bully, the target of bullying, and the bystanders to bullying.

PSYC& 220 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: PSYC& 100. Recommended: READ 088 or higher. Formerly PSY 250, Abnormal Psychology.

PSYC 224 Environmental Psychology [SS] **5 Credits**
Study of interrelationships between people and the environment. Course will address the theories of environment-behavior relationships and include topics of environmental perception, assessment and cognition; noise, weather, climate, pollution, disasters, personal space and territoriality; planning and design in the work, learning and leisure environments; and changing behavior to save the environment. The course structure will allow the student to apply the theories and concepts of environmental psychology to their particular setting of interest, i.e. work, school, home. Recommended: READ 088 or higher. Formerly PSY 224.

PSYC 250 Psychosocial Issues in Healthcare IV [SS] **1 Credit**
Examines some determinants of health and illness including social, psychological, environmental, spiritual, and cultural dimensions across the lifespan and within the context of healthcare. This is a continuation of content from PSYC 150 and PSYC 151. Student may not receive credit for both PSYC 250 and NURS 250. Prerequisite: Admission to the Nursing Program; PSYC 150 and PSYC 151. Co-Requisite: NURS 200 and NURS 210. Effective Fall 2016.

PSYC 251 Psychosocial Issues in Healthcare V [SS] **1 Credit**
Examines some determinants of health and illness including social, psychological, environmental, spiritual, and cultural dimensions across the lifespan and within the context of healthcare. This is a continuation of content from PSYC 150, 151 and 250. Student may not receive credit for both PSYC 251 and NURS 251. Prerequisite: Admission to the Nursing Program; PSYC 150, 151 and 250. Co-Requisite: NURS 201 and NURS 211. Effective Winter 2017.

Reading

READ 088 Reading Improvement **5 Credits**
This course focuses on developing an understanding of the reading process and appreciation for the importance of reading for pleasure, personal growth, and academic success. Encourages and supports improvement of reading strategies to improve comprehension, critical thinking, and reading efficiency to better meet college reading demands. Prerequisite: Placement by appropriate reading score.

Sociology

SOC& 101 Introduction to Sociology [D, 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. Formerly SOC 101, Intro to Sociology. Recommended: READ 088 or higher.

SOC 107 Service Learning Field Experience I **1 - 3 Credits**
This course is designed to provide students with a social service learning experience. Under supervision, students provide assigned services to an agency, school, health care facility, other non-profit organization or community group in the area. This will be "experiential service learning" which means students have the opportunity to apply what they have learned in social sciences classes to real life situations. This experience may be helpful to students in the selection of a profession/vocation or may be an opportunity to pursue a personal interest. Requires 30 hours of service learning per academic credit. Recommended: READ 088 or higher. Prerequisite: Instructor permission.

SOC 108 Service Learning Field Experience II **1 - 3 Credits**
This course is designed to provide students with a social service learning experience. Under supervision, students provide assigned services to an agency, school, health care facility, other non-profit organization or community group in the area. This will be "experiential service learning" which means students have the opportunity to apply what they have

learned in social sciences classes to real life situations. This experience may be helpful to students in the selection of a profession/vocation or may be an opportunity to pursue a personal interest. Requires 30 hours of service learning per academic credit. Recommended: READ 088 or higher. Prerequisite: SOC 107 and instructor permission.

SOC 109 Service Learning Field Experience III **1 - 3 Credits**
This course is designed to provide students with a social service learning experience. Under supervision, students provide assigned services to an agency, school, health care facility, other non-profit organization or community group in the area. This will be "experiential service learning" which means students have the opportunity to apply what they have learned in social sciences classes to real life situations. This experience may be helpful to students in the selection of a profession/vocation or may be an opportunity to pursue a personal interest. Requires 30 hours of service learning per academic credit. Recommended: READ 088 or higher. Prerequisite: SOC 108 and instructor permission.

SOC& 201 Social Problems [SS] **5 Credits**
This course 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, overpopulation, environmental degradation, poverty and wealth, unequal health care, race and gender inequality, and crime. In addition to examining problems, students explore possible solutions. Formerly SOC 201, Intro to Social Problems. Recommended: READ 088 or higher. [SS]

SOC 204 Drugs and Society [SS] **5 Credits**
An introduction to psychoactive drugs and their use and abuse from a sociological perspective. This course addresses the social, biological and psychological factors associated with therapeutic use, recreational use, and abuse of drugs. This course provides an exploration of the impact of drugs on social institutions, including issues regarding regulation of drug use. Other topics include prevention and treatment. Recommended: READ 088 or higher.

SOC 205 Racial and Ethnic Relations [D, 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. Course taken prior to fall 2010 also accepted for diversity requirement.

SOC 206 Aging and Society [D, SS] **5 Credits**
Looks at the effects of the aging population of society, life/health insurance, retirement planning, and resources for the elderly, discussing the individual and group behaviors with respect to health and illness. Examination of medical professionals and their behaviors, with a look at the human behavioral responses to health, illness and the aging process. The distinction between culture and the process of death, dying and bereavement will be analyzed as it relates to the physical, mental and social changes in people as they age. Emphasis on the aging process itself. Course taken prior to fall 2010 also accepted for diversity requirement.

SOC 208 Intimate and Family Relations [D, 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. Course taken prior to fall 2010 also accepted for diversity requirement. Recommended: READ 088.

SOC 220 Gender and Society [D, 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 (individual identity, gender roles, and institutional level) 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 GWST 220. Course taken prior to fall 2010 also accepted for diversity requirement. Recommended: READ 088 or higher.

SOC 226 Community Leadership **6 Credits**
The Sherwood Trust Community Leadership Program was established by the Ford Institute for Community in 2000, and is now funded by the Sherwood Trust. This structured 60-hour curriculum is offered to citizens in small towns, such as Walla walla. The objective is to cultivate community leadership skills with individuals from diverse backgrounds, from different economic and social sectors, and of diverpe ages. An outcome of this program is for the class to identifiT a specific community project to be completed by the end of the program. This course is available to current participants in the Sherwood Trust community Leadership Program only. Prerequisite: Instructor permission required.

SOC 227 Community Leadership Service Project **1 Credit**
The Sherwood Trust Community Leadership Program was established by the Ford Institute for Community in 2000, and is now funded by the Sherwood Trust. This 30-hours of community service learning component is the outgrowth of SOC 226. The objective is to cultivate community leadership skills with individuals from diverse backgrounds, from different economic and social sectors, and of diverse ages. An outcome of this program is for the class to identify a specific community project to be completed by the end of the program. This course is available to current participants in the Sherwood Trust Community Leadership Program only.

Spanish

SPAN& 121 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. Formerly SPAN 101, Spanish I.

SPAN& 122 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& 121 or instructor permission. Formerly SPAN 102, Spanish II.

SPAN& 123 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& 122 or instructor permission. Formerly SPAN 103, Spanish III.

SPAN 234 Conversación, composición, y colaboración [H] **5 Credits**
This bilingual composition and conversation course provides an opportunity for both native speakers and intermediate second language learners to collaboratively cultivate their basic interpersonal communication skills in Spanish, with emphasis on the development of written and spoken language through the study of Latino literature & folklore, current event topics, and Spanish-language cinema. Students will review grammar while boosting vocabulary and accentuation skills through reading, writing, speaking, and listening activities involving short stories, films, podcast listening & production, and special class guests from our community. Recommended 1 year of Spanish or equivalent.

Turf Management

TURF 101 Turf Equipment Operations I **3 Credits**
Students will operate and maintain turf equipment, including mower units, top dressers, soil aerators, trimmers, sprayers and miscellaneous turf equipment. They will also develop a practical costing of equipment plan which emphasizes safety.

TURF 122 Turf Maintenance Practices **3 Credits**
Students are introduced to the methods used in maintenance of sports fields, parks, school grounds, and golf courses. It prepares students for cooperative work experience and for entry into the turf industry.

TURF 191 Cooperative Work Experience **1 - 10 Credits**
Students work in a job 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**
Students examine issues related to student's cooperative work experience focusing on effective workplace relationships. They evaluate how self-knowledge, perception, attitudes, and behavior affect workplace relationships and job satisfaction. Students will also develop effective learning skills for workplace and educational success. Co-requisite: TURF 191.

TURF 197 Project Research **1 Credit**
Students will plan and make a proposal for a 3 to 6 month work experience and explore leadership skills in a turf related industry.

TURF 199 Special Topics **1 - 5 Credits**
In collaboration with your Instructor/Advisor, establish an appropriate project with identified and measurable learning outcomes. Prerequisite: Instructor permission.

TURF 201 Turfgrass Cultural Practices **6 Credits**
Students are introduced to turfgrass cultural practices. Topics covered include turfgrass types and cultivars, turfgrass uses, selection of grasses, turfgrass fertilization and fertilizer selection, water needs of the grass plant and irrigation, renovation practices, future trends, and turfgrass assessment techniques.

TURF 215 Turf Diseases and Insects **5 Credits**
This course concentrates on fundamentals of entomology and plant pathology to set the stage for working with the specifics of turfgrass problems. It is an introduction to the identification, study of life cycles, ind control of insects and diseases as well as specific problems and their controls on turfgrasses.

TURF 291 Cooperative Work Experience II **1 - 10 Credits**
Students are employed in jobs directly related to the turf management industry. This formal training period is agreed upon by the student, employer, and instructor. Demonstrations of gas and diesel engines, electrical, power trains, and hydraulics are done, in order that students are able to perform simple tune-ups and repairs on equipment. Prerequisite: Instructor permission.

TURF 292 Cooperative Seminar II **2 Credits**
Students will contribute to discussions related to their cooperative work experience that focus on effective workplace relationships and applying leadership skills to promote personal development. They will also demonstrate effective communication skills, resolve conflicts, build teams, and engage employees in decision making. Co-requisite: TURF 291.

TURF 297 Special Projects **2 Credits**
Students will prepare a PowerPoint presentation to defend their previously approved project from their 3 to 6 month work experience and exploration of leadership skills in a turf related industry. Their presentation can be made in person or online. Prerequisite: TURF 197 or TURF 191.

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 151 Shielded Metal Arc Welding I **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 print reading/layout procedures. Prerequisite: Instructor permission.

WELD 152 Shielded Metal Arc Welding II **17 Credits**
Training in safe and proper SMAW arc welding procedures and techniques will be covered, including arc welding equipment setup, E-6010 and E-7018 electrode practice, shop work practice, demonstrations, and classroom presentations. Prerequisite: WELD 151 and instructor permission.

WELD 153 Shielded Metal Arc Welding III **17 Credits**
Additional experience and training in safe SMAW welding procedures and the opportunity to complete AWS/WABO certification tests. Prerequisite: WELD 152 and instructor permission.

WELD 191 Cooperative Work Experience **1 - 15 Credits**
This course offers students the opportunity to work in jobs directly related to the welding industry. The formal training period is agreed upon by the student, employer, and instructor. Prerequisite: Instructor permission.

WELD 192 Cooperative Seminar **2 Credits**
Students explore issues related to their cooperative work experience focusing on 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. Co-requisite: WELD 191.

WELD 196 Welding Skill Development I **1 - 17 Credits**
This course provides 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 Topics **1 - 10 Credits**
This course provides students the opportunity to study and train to meet established local needs in the welding industry, supplemental to courses currently offered. Prerequisite: Instructor permission.

WELD 250 Welding Steel/Stainless Steel GMAW/TIG **17 Credits**
This course provides Gas Metal Arc Welding (GMAW) and Tungsten Inert Gas (TIG) welding experience on steel and stainless steel. topics include welding equipment setup and safety procedures, welding practices and procedures for various applications, and equipment maintenance procedures. Prerequisite: WELD 151 or instructor permission. Course available on Clarkston campus only, effective Winter 2018.

WELD 251 Welding Aluminum **17 Credits**
This course provides Gas Metal Arc Welding (GMAW) and Tungsten Inert Gas (TIG) welding experience on aluminum. Topics include welding equipment setup and safety procedures, welding practices and procedures for various applications, and equipment maintenance procedures. Prerequisite: WELD 250 or instructor permission. Course available on Clarkston campus only, effective Spring 2018.

WELD 255 Gas Tungsten Arc Welding **17 Credits**
This course 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. Prerequisite: Instructor permission.

WELD 256 Gas Metal Arc Welding **17 Credits**
This course provides Gas Metal Arc Welding (GMAW) and Flux 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. Prerequisite: Instructor permission.

WELD 270 Shielded Metal Arc - Pipe **17 Credits**
The focus of this course is on industry practices involving pipe welding and welder certification. Topics include welding procedures, specifications, preparation of test samples, testing, and acceptance standards. Prerequisite: Instructor permission. Formerly WELD 254.

WELD 296 Welding Skill Development II **1 - 17 Credits**
This course is a 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 student's needs. Grades and credits are assigned according to contract specifications and student accomplishments. Prerequisite: Instructor permission.

WELD 297 Special Projects **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 Industry Certifications **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. Students must complete at least two of the welding skill tests per AWS/WABO standards. Prerequisite: Must be enrolled in the last quarter of the AAS Welding degree.

FACULTY, STAFF AND ADMINISTRATION

WALLA WALLA COMMUNITY COLLEGE

Shape Your Future

Adams, Jeffrey
Instructor, Spanish
B.A., Eastern Oregon University; M.A., University of Washington

Adams, Justin W
Instructor, Applied Management & Entrepreneurship
Ed.S., University of Idaho M.S., University of Idaho B.S., Lewis Clark State College

Adamski, Kathleen M
Dean of Nursing Education
B.S.N., Western Washington University; M.N., University of Washington

Alonso, Maria G
TRiO Advisor
B.A., Eastern Washington University, Cheney, WA

Alonso-Barrientos, Jacky M
Development Coordinator, Foundation
B.A., Eastern Washington University

Anders, Erin
Instructor, Sustainable Agriculture Systems
B.S., University of Wyoming Ph.D., Michigan State University

Anderson, Michael J
Maintenance Mechanic 4, Facility Services

Angell, Alecia
Manager, Bookstore
B.S., Oregon State University

Anhorn, Gerald
Dean, Workforce Education
A.A.A.S., Walla Walla Community College; B.S., M.S., Washington State University

Arlington, Jeffrey
Instructor, Basic Skills - Coyote Ridge Corrections Center
B.A., Eastern Washington University M.A.Teaching, Grand Canyon University

Aschenbrenner, Dan R
Instructor, WSP Welding
W.A.B.O. Certified

Aschenbrenner, Sarah L
Human Resource Consultant Assistant 2

Bahnsen, Morna G
Program Coordinator, Enrollment Services
MEd., University of Washington B.A., Walla Walla College

Bailey, David
Instructor, Diesel Equipment Mechanics

Baker, Matthew M
Maintenance Custodian

Baker, William
Custodian 2

Banderas, Margarita
Director of Equity, Diversity & Inclusion
M.S., Colorado State University

Banderas, Matthew
Major Gifts Officer, Foundation
B.A., Psychology, Whitman College

Bayne-Lemma, Jennifer K
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M.A., All Hallows College, Dublin, Ireland

Becker, Patricia
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P.N. Certificate, Walla Walla Community College; A.D.N., Columbia Basin College; B.S.N., M.N., Washington State University

Becker, Robert
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A.D.N., Walla Walla Community College; B.S.N., University of the State of New York; M.N., University of Washington

Bellmore, Gail
Human Resource Consultant 4, Human Resources

Bennett, Brandy
Fiscal Technician 3, Business Services
BBA, University of South Dakota

Bennett, Evan C
Instructor, Workforce-Electrical

Bennett, Wade
Maintenance Mechanic 2

Bernal, Roxanne
Program Specialist 2, Corrections Education - Coyote Ridge Corrections Center
A.S., Charter College

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M.S.N., Gonzaga University

Bigley, Christopher
AEP Instructor
B.A., Washington State University

Blackmore, Karl S
Maintenance Mechanic 2

Bockmann, Erika L
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Carpentry Instructor, CRCC

Boyd, Paul
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Brickey, Lee
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Burt, Jeremiah
Instructor, English
M.A., University of Idaho

Bushong, Ross
Instructor, Graphic Design - Coyote Ridge Corrections Center
A.A., Collins College

Can, Angelica E
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Carico, Jack
IT Application Development/Journey Level, Technology Services
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Carpenter, Emmalee
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B.S., University of Oregon; M.S., University of Phoenix

Casali, Phillip
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Caulk, Brent
Dean of Corrections Education - Washington State Penitentiary
B.A., M.Ed., Eastern Washington University

Chamberlin, Lisa A
ctcLink Project Manager/Organizational Change Manager
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Chapman, Dale
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Chavez, Ricardo
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Chavez, Rolando
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M.S. Environmental Science, Memorial University of Newfoundland

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Colin, Viridiana
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Conrad Goff, Lauren R
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Cook, Jessica
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B.A., Whitman College

Coronado, Melany
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B.S.N., Lewis-Clark State College M.A., Washington State University

Coulston, Cullen
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Cox, Tyler
Instructor, Agriculture - Animal Science
B.S. Animal Science, WA State University Certificate in Ranch Management, TCU

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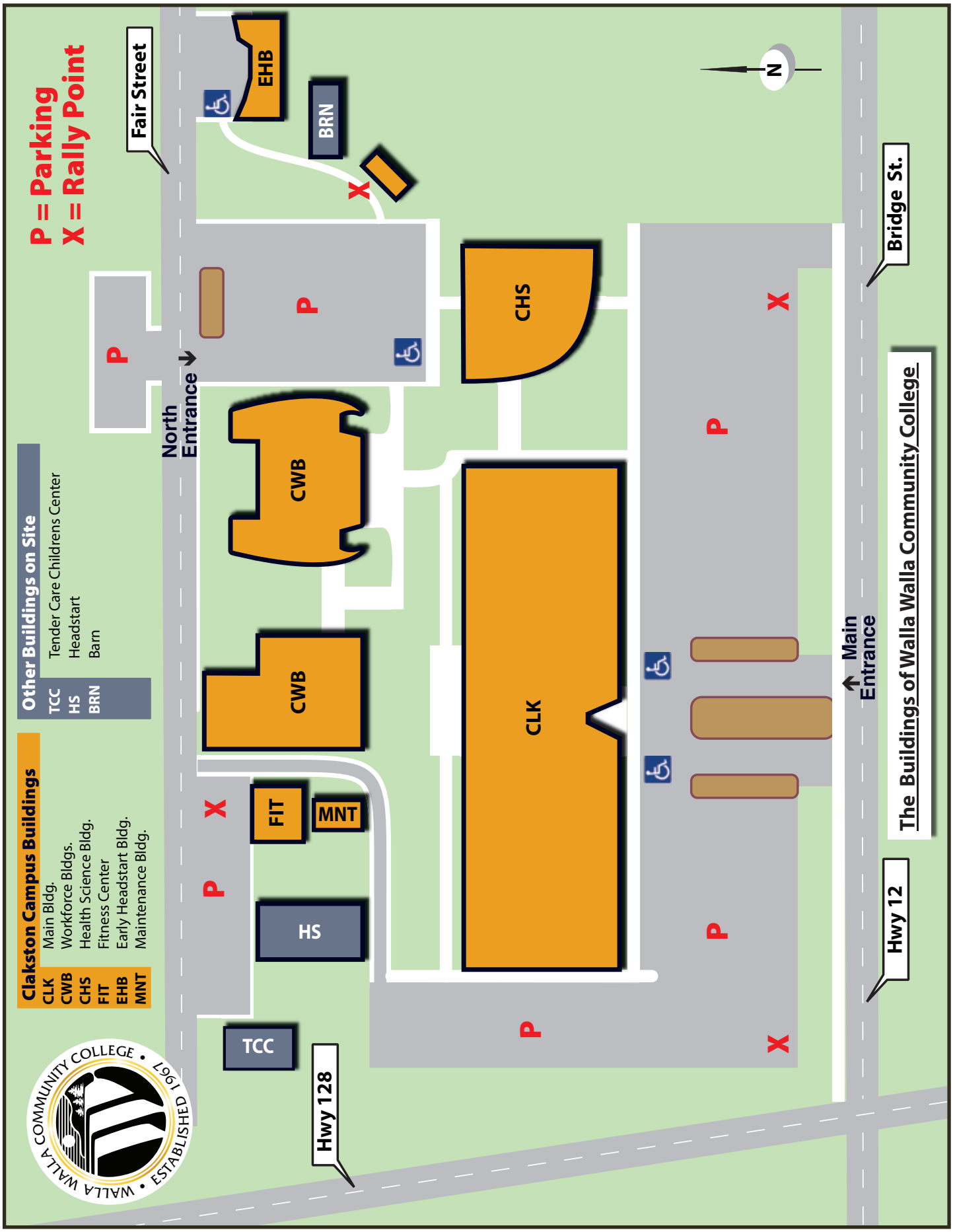
CAMPUS MAPS

WALLA WALLA
COMMUNITY COLLEGE

Shape Your Future

CLARKSTON CAMPUS MAP




The Buildings of Walla Walla Community College
Campus Loop Buildings
A – Dietrich Activity Center (Gym, 510)
B – Parent Child Center (514)
C – Future Home of Student Rec. Ctr.
D – Main Building (520)
E – Health Science & Performing Arts (535)
F – Technology Center (537)
G – China Pavilion (540)
J – Prof.-Technical Building (550)
SEA-Tech Skills Center (525)
Water Center Drive Buildings
H – Energy Systems Tech. (618)
K – First Flight Day Care (611)
L – Diesel Mechanics I (621)
M – Diesel Mechanics II (623)
N – Grounds Maintenance (625)
P – John Deere Training Center (629)
Q – Greenhouse (630)
R – Water & Environmental Center (640)
E. Isaacs Buildings
T – Center for Enology & Viticulture (3020 E. Isaacs)
U – Automotive Technology Center (3060 E. Isaacs)
V – Craik Building (37 Interchange Rd.)
P = Parking
P = No Parking
WALLA WALLA COMMUNITY COLLEGE • ESTABLISHED 1967
East Entrance
North Entrance
Main Entrance
Tausick Way
Isaacs Avenue
Campus Loop
Water Center Drive
Temporary Overflow Parking
1/4 mile to Craik Building
To Highway 12 Interchange
To Airport
SEA-Tech
Wind Turbines
Solar Trackers
Solar Carport

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