WALLA WALLA COMMUNITY COLLEGE
ESTABLISHED 1967

Catalog 2022 – 23

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, you prepare to transfer for further study, or you enrich your life through continuing/community education, WWCC will provide you with the tools you need to achieve your educational and life 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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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 effect at the time of entry, if continuously enrolled. Current 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 Kristen Duede, the Coordinator of Disability Support Services, Walla Walla campus: 509.527.4543, 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. The 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 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. To review the colleges full Policy on Discrimination (Policy 2400), Affirmative Action-Equal Opportunity (Policy 5000) and Title IX Equal Opportunity and Title IX Grievance Procedure (Policy/Procedure 2410), please visit https://www.wwcc.edu/policies-procedures/

Vice President of Human Resources
Title IX Coordinator/Section 504 Compliance Officer
(509) 527-4300 • brooke.marshall@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. To review all policies related to Safety, please visit https://www.wwcc.edu/policies-procedures/ to review policies 3500-3630.

The College

Located on approximately 130 acres, the WWCC Walla Walla campus is 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 Corrections Center in Connell, Washington.

Walla Walla Community College offers a comprehensive curriculum of academic and workforce training programs. The major areas of studies include Academic Transfer, Workforce Education, Pre-College, Basic Skills, and 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

Admissions and Enrollment

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 as defined in 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 enrolling in the quarter for which the student is applying for residency status change.

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 Records at 509.524.5168 or admissions@wwcc.edu.

Student Responsibility to Register Under Proper Classification

The student is responsible to register under the proper residency 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 Records. Verification must be provided.

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 the 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 509.524.5168 or email admissions@wwcc.edu.

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 listed in your ctcLink checklist, available through your ctcLink Self-Service Account.* *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 are listed online or in the Areas of Study section.*
Transferring credits from another college	*Follow the steps for new students in addition to sending your official transcripts from other colleges sent to the Office of Admissions and Records and complete a transcript evaluation request form found at www.wwcc.edu/traneval.*
Students returning after an interruption in their enrollment	*If less than a year interruption, make an appointment to meet with an advisor at the Student Success Center – 509.527.4262. If a year or more, follow the steps outlined for new students.*
Students in the Running Start Program	*Submit the FREE application for admission at www.wwcc.edu/getting-started.* *Complete placement process.* *Contact high school counselor for Quarterly Referral, Enrollment Verification Form, and transcript information.* *Register for and attend a Running Start Orientation.*
High School Programs	*Please contact High School Programs at 509.527.4619 for details on enrolling in any of the program offerings.*
Transitional Studies	*Please contact Transitional Studies at 509.527.4637 or 509.758.3339 in Clarkston for details on enrolling in any of the transitional studies offerings.*
Students planning to take Continuing Education classes	*Visit the Continuing Education website at www.wwcc.edu/community, or call 509.527.4331.*
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 that includes a ctcLink ID and instructions to activate their ctcLink account. More information about activation can be found at https://warriorlink.wwcc.edu/ctclink-resources-for-students/.

Once a student can log in to their student account, they can check their "To-Do" list for instructions on how to complete the Placement Process, apply for Financial Assistance, and sign up for an Advising and Registration session.

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 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.
- Have financial needs 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 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 College Grant	*A Washington State program for WA resident students who meet financial eligibility criteria.*
College Bound Scholarship	*A Washington State early commitment program to eligible students who enroll in middle school and meet the pledge requirements.*
State Tuition Waiver	*A Washington State program for WA resident students with a demonstrated need.*
EMPLOYMENT PROGRAMS	
Federal Work-Study	*A federal program that offers a job to financially qualified students. The student may work 10-15 hours per week.*
State Work-Study	*A state program that 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 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.*

Other Financial Resources

- 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. 509.426.7973, or 509.751.4078 in Clarkston
- Basic Food Employment & Training (BFE&T) – for qualified individuals. 509.520.7206, or 509.751.4078 in Clarkston
- Worker Retraining – financial assistance to qualified dislocated workers or displaced homemakers. 509.529.1113, or 509.751.4078 in Clarkston
- Opportunity Grant – financial assistance to qualified students enrolled in high demand pathways. 509.524.5191
- 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, a cumulative pace of progression of 67% or higher in a 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 time (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 should start the Placement process by following the steps assigned in their ctcLink checklist, which is accessible through their Self-service account in ctcLink. 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 Process If placement cannot be determined based on these documents, students will take an ACCUPLACER exam to determine their placement for English and Reading. For math placement, students will receive a link to the Guided Self-Placement survey for math in their WWCC student email.

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 Records 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. After planning the next quarter's enrollment, the advisor will release the advising hold on the students account, enabling them to register for classes. 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. 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, 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 can register online after their scheduled registration date and time. Registration dates and times may be found in the Student Self-Service page in ctcLink. 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 your ctcLink ID. 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

Important Disclaimer

In the event of unforeseen circumstances such as, but not limited to, pandemics, weather, natural disasters, WWCC may 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

The College follows the State Board of Community and Technical Colleges (SBCTC) guidelines around credit hours and the effort required to earn credit. Courses are comprised of one or more types of instruction: Theory (lecture), Guided Practice (lab) and Field-Based Experience (clinicals). Generally speaking, earning 1 credit requires one hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week. Theory/lecture courses usually have credits that match weekly classroom hours: 5 credits = 5 hours in class per week. Guided practice/lab courses require double: 5 credits = 10 hours in lab/shop per week. Field-based/clinical courses require triple: 5 credits = 15 hours off site per week. The number of credits for each course is listed with the course description in the online Course Catalog and in the quarterly Class Schedule. To review the college's policy regarding Credit Hour (Policy 6400), please visit https://www.wwcc.edu/policies-procedures/.

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 (unless a higher letter grade is specified for a specific program), 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 Records at 509.524.5168. To have credits evaluated, students should complete a WWCC Application for Admission and have their previous college(s) send an official transcript to the Office of Admissions and Records. Students then submit the Transcript Evaluation Request form available online at www.wwcc.edu/traneval, indicating the degree they are seeking. This form is processed by our credentials evaluator.

WWCC's policy on Transfer of Credit can be found at wwcc.edu/policies-procedures : Policy 7000 – Transfer of Credit and Alternate College Credit Policy.

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 HS+ 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.

WWCC's policy on ACPL can be found at wwcc.edu/policies-procedures/: Policy 7000 – Transfer of Credit and Alternate College Credit Policy.

College Costs

During the 2022-2023 academic year, full-time tuition and mandatory fees are estimated to cost $4,965 ($7,649 for BAS) for one year (15 credits per quarter for three quarters) for Washington State residents and $6,304 ($9,115 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 2022-23 School Year

Student Budgets	Dependent living with parent	Not living with parent
Tuition/Fees (est)*	$4,965	$4,965
Books & Supplies	$1,000	$1,000
Rent/Food/Utilities	$7,944	$16,512
Transportation	$1,662	$1,935
Misc./Personal	$1,800	$1,800
TOTAL	$17,371	$26,212
*Add $1,339 for non-resident tuition		

Student Budgets (BAS only)	Dependent living with parent	Not living with parent
Tuition/Fees (est)*	$7,649	$7,649
Books & Supplies	$1,000	$1,000
Rent/Food/Utilities	$7,944	$16,512
Transportation	$1,662	$1,935
Misc./Personal	$1,800	$1,800
TOTAL	$20,055	$28,896
*Add $1,465 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 twentieth 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 Student Self-Servce page in ctcLink approximately one week after the end of the quarter. To review the college's Grading Policy (Policy 6210), please visit https://www.wwcc.edu/policies-procedures/.

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

- **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 student will be administratively dropped from the class.

If a student does not make up the incomplete grade, the grade will lapse to the indicated grade on the 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 Records. Withdrawals can be processed at the Office of Admissions and Records throughout any drop period. Students should refer to the Important Dates document to find the last day to drop (https://www.wwcc.edu/calendar/). 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.
- **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 their 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: https://www.wwcc.edu/admissions/forms/. 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 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 Records. 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 the following 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 ctcLink Self-Service Account.

Grade Change

Once a grade has been filed with the Office of Admissions and Records, 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 apply in cases where sufficient evidence is provided showing the need to change a grade.

Repeating a Course

Students may repeat the same course up to three times at WWCC per the SBCTC Repeat Policy: https://www.sbctc.edu/colleges-staff/policies-rules/policy-manual/chapter-5.aspx. A course applies to the repeat rule if the student receives a grade or withdraws from the class. The class with the highest grade assigned counts towards the student's GPA while the other two are excluded. These courses are listed with the "Repeated" identifier on the student's transcript. Students may take variable credit courses up to the number of times necessary to complete the credit number required for a given program.

Students may not repeat a course for a fourth attempt unless they meet an extenuating circumstance. Extenuating circumstances may include, but not limited to:

- Medical or military withdrawals
- Courses required for a certificate or degree with limited or no substitute option
- Significant break in enrollment
- Grade exclusion process
- Mandated training for employment

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 Records. Go to www.wwcc.edu/transcripts for information and ordering.

Student Academic Responsibilities

1. **Advising:** Every student at Walla Walla Community College seeking to complete a 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

Quarterly 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:

President's List: 3.9 - 4.0 GPA

Vice President's List: 3.70-3.89 GPA

Dean's List: 3.5-3.69 GPA

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

Degree Academic Recognition

Upon completion of a degree or certificate, a student's academic achievement is recognized using the following honors designations:

Summa Cum Laude: 3.90 - 4.0 GPA

Magna Cum Laude: 3.70 - 3.89 GPA

Cum Laude: 3.50 - 3.69 GPA

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 or higher 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 https://www.wwcc.edu/admissions/forms/. 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 in the ceremony 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 update their privacy settings in the ctcLink Self-Service account located under the "Profile" menu.

- 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 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.

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.

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. To view the college's Religious Accommodation Policy (Policy 7910), please visit https://www.wwcc.edu/policies-procedures/.

Student Services & Programs

Advising & Counseling Center

509.527.4262 - Walla Walla • 509.758.3339 - 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 • 509.751.4078 – 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

studentlife.wwcc.edu/rec-center/

The Student Recreation Center 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.

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 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.

Center for Integrated Learning

509.526.2137
https://www.wwcc.edu/cil/

The Center for Integrated Learning is dedicated to professional development for faculty and staff as well as to ensuring the support of students as they engage in meaningful learning. The Center offers to help in-person and virtually for the use of Canvas in all courses, as well as assistance with other eLearning tools for online courses or components. The Center seeks to build upon current practices through innovation and ensure continuous improvement in curriculum planning, course design, instruction, and assessment of student achievement.

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

For referrals to licensed childcare providers in our area visit Child Care Aware at www.wwcc.edu/wes/child-care/.

Clubs & Organizations

studentlife.wwcc.edu/clubs-orgs

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 Chair or SGA Clarkston for more information or visit our websites.

Counseling (Emotional/Mental Health Counseling)

509.527.4262 - Walla Walla • 509.758.3339 - Clarkston
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

509.527.4543 - Walla Walla • 509.527.4412 TTY
509.758.1721 - Clarkston
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

509.524.5230 - Walla Walla • 509.758.3339 - Clarkston

Student Help/Work Study Positions

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

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
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, or with permission from program directors. Designation of Honors will be noted on the transcript or degree. 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 • 509.758.3339 - 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, and softball. Men may compete in basketball, baseball, and soccer. Additionally, WWCC has highly successful men's and women's rodeo teams that compete throughout the Northwest.

Library

Walla Walla Campus – Building D, 2nd Floor
Clarkston Campus – 2nd Floor
www.wwcc.edu/library
library@wwcc.edu

Through locations in Walla Walla and Clarkston as well as online, the Walla Walla Community College (WWCC) Libraries provide a range of services and resources to meet the needs of the College community. The WWCC Libraries offer a welcoming space, study rooms, and computer and printer access to support the teaching and learning needs of WWCC students, faculty, and staff. The WWCC Libraries provide an extensive print and online collection to meet the academic needs of the College community; this includes 25,000 books, DVDs, Spanish language materials, and a wide variety of online databases that provide convenient access to eBooks, articles, reports, and streaming media both on and off-campus. In addition, materials may be requested and delivered between campuses and the library also offers a robust interlibrary loan service that allows students, faculty, and staff to request research materials from libraries throughout the country.

WWCC librarians are available to assist with research in person, via e-mail, or via zoom. The WWCC Libraries offer an "Ask-a-Librarian 24/7 live chat service". Subject and course-specific research guides are also available to help students navigate and explore resources.

WWCC librarians are here to help! Please visit the library in person or online for more information about library services and access to resources. Accessing resources off-campus requires a WWCC id number.

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 reviewing their New Student Checklist in their ctcLink account. 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
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, please 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, Tik Tok @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 SGA executive officers for details. Student Government is comprised of executive officers and student senators. 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. Appointments for testing 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/wes/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's goal to increase student retention, graduation, and transfer rates for WWCC students through personalized advising and high-impact services (below). Students must meet eligibility requirements: US Citizen or Permanent Resident, and either be a first-generation college student (neither parent has graduated from a four-year college), meet TRIO low-income guidelines, 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 on the web at http: //www.wwcc.edu/trio/application/ or at the TRIO office on both WWCC campuses.

Services provided by TRIO include:

- Highly individualized academic, college/career, and personal advising
- Free one-to-one tutoring services
- Priority registration (after Veterans)
- Two free official transcripts per year
- Financial Aid and scholarship assistance
- Transfer planning to four-year colleges, including campus visits

Veterans Affairs

509.527.1864 - Walla Walla
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 student's enrollment;
- Assess a late penalty fee to;
- Require student to 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 Tutoring Services

Students who need assistance with their classes may receive directions on accessing free tutoring, both in person and online, from the main tutoring page (https://www.wwcc.edu/tlc/). Free online tutoring via Zoom is accessed by following the above link where students are signed up to the Warrior Tutoring Services Canvas course shell. Further instructions on how tutoring works as well as a list of tutors and their work hours can be found within the course. Time and subject availability may vary, though Warrior Tutoring Services covers most science, math, and writing courses offered.

Warrior Tutoring Services offers drop-in tutoring services which means no appointments are required for tutoring. Students come and go as needed. Tutors are recognized by their green vests and are happy to assist with any questions regarding courses. Tutoring schedules can also be found therein. In addition to tutoring, Warrior Tutoring Services offers a spacious workspace to study in, calculators and study material for classes, anatomy models, and quiet rooms with computers, webs cams, and headsets for student use. Check the above website for hours of availability. If a student is unsure about getting tutoring support, or if the subject appears to fall outside the confines of what is listed above, send an email inquiry to warriortutoring@wwcc.edu.

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

Warrior's Locker – College Store

509.527.4255 - Walla Walla • 509.758.3339 - Clarkston
collegestore.wwcc.edu

In Walla Walla, the Warrior's Locker is open Monday-Friday from 8:00 a.m. to 4:00 p.m. In Clarkston, the Warrior's Locker is open Monday-Friday from 8:00 a.m. to 5:00 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
- SGA discount event ticket outlet

Welcome Center & Outreach

509.522.2500 - Walla Walla • 509.758.3339 Clarkston
www.wwcc.edu/welcome/

The Welcome Center and Outreach team serve as the main point of contact for Walla Walla Community College, managing its Welcome Center, main switchboard, Lost & Found, and organizing the College's recruitment efforts. The Welcome Center staff serve as a resource to help students, parents, and community partners connect with WWCC. The Welcome Center and Outreach Department 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 represent the College at off-site events. All services available in Spanish and in English. Let us show you why WWCC is your best choice. Offices are located at the center of Main Building (D) on the Walla Walla Campus of WWCC.

WorkFirst

509.524.4790 - Walla Walla • 509.751.4078 - Clarkston
www.wwcc.edu/workfirst

WorkFirst is Washington's temporary cash assistance (TANF) program for low-income families. The goal of the WorkFirst program is to help TANF recipients build a pathway that can lead them out of poverty and toward economic security. WorkFirst assists low-income parents in gaining skills necessary to compete in today's labor market in order to obtain self-sufficiency through living wage employment.

Working with local partners including Department of Social & Health Services, Employment Security, and Blue Mountain Action Council, Walla Walla Community College's WorkFirst team receives referrals, develops education and training plans, and optimizes available resources to provide educational services and workforce training to eligible students.

Worker Retraining

509.529.1113 - Walla Walla • 509.751.4078 - 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 • 509.751.4078 - Clarkston
www.wwcc.edu/wes

Workforce Education Services (WES) provides educational and career navigation for students enrolled in workforce training pathways and/or career and academic preparation. WES programs include Basic Food Employment & Training, Perkins (one-on-one tutoring services), WISE Grant, 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

Additional Eduational Opportunities

High School Programs

509.527.4619 – Walla Walla • 509.758.3339 - Clarkston

Open Doors

Open Doors is a partnership with local school districts to provide high school completion opportunities to youth under the age of 21. To enroll, students who meet state outline entrance requirements are referred by their local high school. Afterward, students meet with the Access & Opportunity Navigator to complete the intake process and must take a placement test prior to registration.

CTE Dual Credit

Career and Technical Education (CTE) Dual Credit 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 CTE/workforce college 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

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 the school, sport, or club participation. Students 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.

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 coursework. 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.

Transitional Studies

509.527.4637 – Walla Walla • 509.758.3339 - Clarkston

Whether pursuing an academic or workforce pathways, Transitional Studies provides a variety of course options for students who are preparing for entry into college-level coursework or programs. 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. Students can:

- Take high school level classes that meet Washington State graduation requirements
- Study to take the General Education Development (GED®) examination
- Take college preparation courses and develop skills for entering the workforce
- Develop English language skills for non-English speakers

The time required to complete a 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 workforce classes as well as increase their potential for greater earning power in the workforce. Students may be required to take ongoing pre-and post- CASAS assessments.

The following courses are offered by Transitional Studies.

Career and Academic Preparation (CAP)

CAP courses offer students an opportunity to reach their goals by building on prior experience as they grow academic skills such as reading, writing, oral communication, critical thinking, technology, and mathematics. Students are prepared to earn an Adult High School Diploma, GED®, and increase their English language skills. Students will then be able to transition to academic transfer or workforce programs.

General Education Development (GED®) Exam Preparation

GED® preparation classes are designed for individuals who wish to take the GED® exam or to prepare for the college entrance exam. Courses integrate content from the following subject areas: reasoning through language arts; science; social studies; and mathematical reasoning.

English Language Acquisition (ELA)

ELA courses are offered to limited English proficient students to develop communication skills, pursue a higher degree, function effectively in jobs, 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 online learning.

Adult High School Completion (HS+)

HS+ is a competency-based high school diploma designed for adult learners who do not have a high school diploma or have a GED® and wish to complete the high school diploma requirements. This program encourages lifelong learning and prepares students to transition into college programs to further their education or to acquire family-wage jobs.

Pre-College

Pre-College courses are offered in reading, writing, and math. Coursework prepares students for success in college-level courses and workforce programs. Students are placed in the appropriate course after being assessed by ACCUPLACER in reading, writing, and math in addition to multiple measure assessments.

Integrated Basic Education Skills Training (I-BEST)

I-BEST programs are designed for students to improve their English 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 basic reading, math, and English skills. I-BEST students must meet at least one of the following criteria to be eligible:

Students test below college level in reading or math on the CASAS and meet the minimum score requirements.

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 assessments in reading or math and would like extra support in the classroom.

Intensive English Language Program (IELP)

The IELP program 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 IELP enroll in the 2 + 2 Transfer Program and then transfer to universities across the United States.

Community Connections

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.

Campus Events & Venue Rentals

Special events become even more special when you host them at Walla Walla Community College. WWCC seeks 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.

Continuing Education

509.527.4331
www.wwcc.edu/community/continuing-education/

Continuing Education includes any noncredit course offered from personal enrichment to individual professional development to those required by employers.

Contract Training

WWCC knows that skilled employees are a key factor in economic success. Whether it's upgrading the skills of current employees or training new employees, WWCC can help! Contract Training offers flexible, competitively priced custom training options to almost any type of business, association, or institution.

Leadership Walla Walla

Leadership Walla Walla is a program designed to enable participants to learn about Walla Walla's resources, values, strengths, and challenges. It is a learning experience geared toward providing an intense look at the many areas of the community. Participants will be provided with opportunities to exchange ideas, network with other community leaders, and begin the process of identifying important community issues. Leadership Walla Walla builds civic awareness and leadership skills through monthly all-day sessions running September through May.

Noncredit Online Classes & Certificate Offerings

Learn anywhere, anytime. Ed2Go offers a wide selection of personal enrichment, professional enhancement, and career training courses. Ed2Go 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. Choose from Fundamentals and Advanced Career Training options.

Personal Enrichment

Personal enrichment courses are for everyone! This is a place for you to take up a new hobby, study another language, get up to speed with technology, and much more. Individuals 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, 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!

Youth Classes & Kids College

Youth classes and summer camps provide a fun and enriching college experience. WWCC is bound to have a class that interests your child after school, on the weekend, or during the summer. Topic areas include art, business, cooking, technology, babysitting, sports/fitness, science, and more.

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, environmental and natural resource issues and concerns, while also serving as a place of collaborative learning, research and stewardship.

The WEC coordinates the WWCC the Irrigation Business 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 the Agriculture & Natural Resource Center of Excellence. 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

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. Plan Code: LASDTAA	**90**
Associate in Science – Option I	Designed for students majoring in biological sciences, chemistry, geology, environmental/resource science, & earth science. Plan Code: LRST1AS	**90**
Associate in Science – Option II	Designed for students majoring in engineering, computer science, physics, & atmospheric sciences. Plan Code: PHST2AS	**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. Plan Code: GEBBIAS	**90**
Associate in Business – DTA/MRP**	For students transferring to a baccalaureate institution to major in business. Plan Code: BUCBUAA	**93 or more**
Associate in Math Education – DTA/MRP**	For students planning to major in secondary math education at a baccalaureate institution. Plan Code: METMEAS	**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). Plan Code: RENDTAA	**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 – AAS T	Plan Code	CREDITS
Agri-Business	***ABMABAAS***	***110***
Agricultural Business and Economics	***ABMAAAAS***	***100-120***
Agriculture Education	***PTTAEAAS***	***105***
Agricultural Science and Technology – Food Science	***CRPAFAAS***	***90***
Agricultural Science and Technology – Organic Agriculture	***CRPAOAAS***	***105***
Agricultural Science and Technology – Plant & Soil Science	***CRPAPAAS***	***111***
Agricultural Technology and Production Management	***AMOAPAAS***	***115***
Animal Science – Animal Management	***ALPAMAAS***	***108***
Animal Science – Pre Veterinary	***ALPPVAAS***	***108***
Early Childhood Education	***ECEECAAS***	***91***
Watershed Ecology – Earth Sciences	***NRCWEAAS***	***90***
Watershed Ecology – Environmental and Ecosystem Sciences	***NRCWVAAS***	***91***
Watershed Ecology – Forestry	***NRCWFAAS***	***91***
Watershed Ecology – Wildlife Ecology and Conservation Science	***NRCWWAAS***	***91***

Associate in Applied Science Degrees Summary Chart

DEGREE - AAS	PLAN CODE	CREDITS
Accounting Technology	ATBATAPT	93
Administrative Office Professional	OMSAPAPT	92-93
Agricultural Business	ABMABAPT	98
Animal Science	ALPASAPT	98-108
Automotive Repair Technology	AUMRTAPT	105
Business Administration	BAMBAAPT	92-93
Business Marketing	MAMBAAPT	95
Collision Repair Technology	ACRCTAPT	141
Cosmetology	CSMCOAPT	114
Criminal Justice	CJLCJAPT	92.2-106.2
Culinary Arts	CACCAAPT	91.4
Diesel Technology	DMTDTAPT	137-140
Early Childhood Education	ECEECAPT	90-94
Energy Systems Technology	EEIESAPT	91.4-102.4
Energy Systems Technology – HVACR	HRMEASAPT	91.4
Enology and Viticulture	VIEEVAPT	90-100
Fire Science	FIGFSAPT	91
Health Information Technology	MASHIAPT	92-93
Human & Social Services	CHLHSAPT	91-110
Irrigation Business Management	AMOIBAPT	90
John Deere Technology	AMOJTAPT	111.4
Networking	CSTNEAPT	90-93
Plant and Soil Science	CRPPSAPT	98-108
Software Design	CPVSDAPT	95
Turf Management	TTMTMAPT	92
Watershed Management	NRCWMAPT	94.4
Welding Technology	WETWTAPT	120

Certificate Summary Chart

CERTIFICATE	PLAN CODE	CREDITS
Accounting Assistant	ATBAAC45	50
Administrative Office Assistant	OOCAFC45	50
Agri-Business	ABMABC45	52
Animal Science	ALPASC45	46
Automotive Repair Technology	AUMRTC45	55
Advanced Automotive Repair Technology	AUMAAC01	19
Barbering	BARBAC45	70
CADD	SUTCDC01	8
Carpentry	CARCAC45	69.4-75.4
Advanced Carpentry	CARACC20	20
Cellar Master	VIECMC20	20
CNC Machine Operator	CNCCOC45	55
Construction Trades Apprenticeship Preparation (CTAP)	BCTCTC20	20
Collision Repair Technology	ACRCTC45	78
Advanced Collision Repair Technology	ACRAVC20	21
Commercial and Residential Irrigation	AMOCRC45	46
Data Center Technician	CSTDCC45	45
Diesel Technology	DMTDTC45	80
Advanced Diesel Technology	DMTATC20	20
Digital Design	DMWDDC45	60
Early Childhood Education (State Certificate)	ECESEC45	47
Initial Early Childhood Education (State Certificate)	ECEECC01	12
Early Childhood Education Certificate of Specialization-Administration (State Certificate)	ECEADC20	20
Early Childhood Education Certificate of Specialization-Family Child Care (State Certificate)	ECEFCC20	20
Early Childhood Education Certificate of Specialization-General (State Certificate)	ECEGEC20	20
Early Childhood Education Certificate of Specialization-Infants and Toddlers (State Certificate)	ECEITC20	20
Early Childhood Education Certificate of Specialization-School Age Care (State Certificate)	ECESAC20	20
Electrical Systems Technology	EEIETC45	47.4
Emergency Medical Technician	EMAETC01	10
Entrepreneurship	BAMENC45	45
Energy Systems Technology: Mechanical Electrical Concentration	EEIMEC20	23
Energy Systems Technology: Facilities Energy Management Concentration	HRMEFC45	47
Energy Systems Technology: Industrial Electrical Maintenance	CTTIEC45	53.4
Energy Systems Technology: Industrial Mechanics Concentration	IMMICC20	44

Energy Systems Technology: Renewable Energy Concentration	***CTTREC45***	**48.2**
Fermentation Science	***VIEFSC45***	**45-55**
Fire Academy	***FIGFAC01***	**10**
Fire Science	***FIGFSC45***	**49**
GIS	***SUTGSC01***	**9**
Mechanical Electrical Technician	***EEIMEC20***	**23**
Medical Billing and Coding Assistant	***MASMBC45***	**55**
Nail Technician	***NTMNTC20***	**36**
Nursing Assistant	***NAANAC01***	**7**
Patient Navigation	***MMCPNC01***	**7**
Phlebotomy	***PHLPHC01***	**9**
Plant and Soil Science	***CRPPSC45***	**46**
Software Design	***CPVSDC45***	**60**
Turf Management	***TTMTMC45***	**52**
Viticulture Science	***VIEVCC45***	**45**
Welding Technology	***WETWTC45***	**68**
Specialized Metals Welding	***WETALC45***	**53**

Bachelor of Applied Science Summary Chart

DEGREE - BAS		CREDITS
Agricultural Systems ***Concentrations available in:*** ***– Ag Business***	**Plan Code: ASAASBAS** (Subplan code: BAS_AGSYS	**180**
Business Management ***Concentrations available in:*** ***Criminal Justice Administration (Subplan code: BAS_CJ)*** ***Entrepreneurship (Subplan Code: BAS_ENTR)*** ***Marketing (Subplan code: BAS_MKTG)***	***Plan Code: BAMAEBAS*** (Subplan code: BAS_CJ) (Subplan Code: BAS_ENTR) (Subplan code: BAS_MKTG)	**181**

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.

Policy

Request for transfer of credits for previously earned college credit

Students may request for previously earned credit to be evaluated and transferred to their WWCC academic record. 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 Records (OAR). Once accepted to WWCC, students are required to fill out the Transcript Evaluation Request form available online on the Admissions page, indicating the degree they are seeking and the transcripts requesting to be evaluated.

Transfer of Credit

WWCC will review transcripts with credits from a regionally accredited institution with grades of D (1.0) or better, provided they are essentially equivalent in academic level and nature to classes offered at WWCC. If a course does not meet the equivalent of a course offered at WWCC, elective credit may be awarded. Courses are evaluated based on the degree or certificate the student is pursuing. A student must complete at least 30 credits at WWCC in order for WWCC to confer the degree.

Transfer of International College Credits

Credits earned at a higher education institution outside the United States may be evaluated for transfer purposes. Transcripts must be translated and evaluated course-by-course by a service listed as a member of the National Association of Credential Evaluation services.

Transfer of credits within the Washington State Community and Technical College system

Washington State Community and Technical Colleges 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.

Washington State Community and Technical College: Common Course Numbering

Common course numbering for both academic and professional/technical courses was developed to provide ease of transfer between Washington State Community and Technical Colleges. Courses with these common course numberings are considered equivalent across all participating institutions. WWCC transfers these courses accordingly.

Reverse Transfer

WWCC participates in the Washington Reverse Articulation Program. Students who earn a baccalaureate degree may transfer courses to WWCC to complete an associate level degree if not previously earned.

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.

Awarding Academic Credit for Prior Learning (ACPL)

Academic credit for prior learning refers to 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. WWCC follows the policies as outlined by the Washington State Board for Community and Technical Colleges (CTC), RCW 28B.77.239, RCW 28B.10.053, as well as the policies established by the Northwest Commission on Colleges and Universities.

To award ACPL, WWCC evaluates the knowledge, skills and abilities a student has gained through prior learning in relation to 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 must fill out the ACPL Request for Transcribed Credit form on the WWCC website to initiate the request for this kind of evaluation. A fee may be required before transcribing the credit onto a student's transcript. ACPL is posted on a student's transcript per the SBCTC Coding manual.

ACPL can be transcribed under the following categories:

Standardized Testing: Commonly accepted higher education equivalency exams that are documented via transcript or other official record. Credit for Advanced Placement (AP), International Baccalaureate (IB), and Cambridge "A" and "AS" Level Exams are awarded credit based on the SBCTC Credit Policy for Dual Credit Exams and RCW 28B.77.239. Currently accepted credit for College-Level Examination Program (CLEP) are posted on the WWCC website. Other higher education equivalency exams may be evaluated on an individual basis.

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. Upon completion of the Course Challenge, the student is awarded credit reflecting the final grade earned on the Course Challenge, if the grade is a C or higher.

Extra-Institutional Learning: WWCC may award credit based on 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: WWCC may award credit based on 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.

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 021, MATH 037, MATH 046, or MATH 041 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
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 251 .....Voices of Women in Literature
HIST 105.....Roots of World Issues
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& 115 .....Critical Thinking
PSYC& 180.....Human Sexuality
PSYC 205 .....Social Psychology
SOC& 101.....Introduction to Sociology
SOC 205 .....Racial and Ethnic Relations
SOC 206 .....Aging and Society
SOC 208 .....Intimate and Family Relations

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 in applied science 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:

BUS 214 . . . . . Write for Marketing
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
BUS 157. . . . . Human Relations in Business
PSYC& 100. . . . . General Psychology

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. For students studying on one of our Department of Correction (DOC) campuses, HPER 264 – Stress Management satisfies 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

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]**
  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).
- **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. For students studying on one of our Department of Correction (DOC) campuses, HPER 264 – Stress Management satisfies 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.

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.

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. For students studying on one of our Department of Correction (DOC) campuses, HPER 264 – Stress Management satisfies 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.
** Intercollegiate Relations Commission*

My Plan

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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

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

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 Evergreeen 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

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

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&241, Anatomy and Physiology I
  BIOL&242, 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**

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 Ⓓ ☒ 5
❑	ART	129	History of Western Art III 5

Drama

❑	DRMA&	101	Introduction to Theatre 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 Ⓓ ☒ 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 ☒ 🖱 5
❑	HIST&	127	World Civilization II ☒ 🖱 5
❑	HIST&	128	World Civilization III ☒ 🖱 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.
❑	SPAN&	121/122/123	Spanish I, II, III 🖱 ..... 5 ea.

Music

❑	MUSC&	105	Music Appreciation Ⓓ 🖱 5

Performance/Fine Arts [HP]

❑	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 Ⓓ ☒ 5
❑	GWST	200	Introduction to Women's Studies Ⓓ 5
❑	GWST	251	Voices of Women in Literature Ⓓ ☒ 5

Ⓓ Diversity ☒ 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
- ❑ AGBS 201 Microeconomics in Agriculture 5
- ❑ ECON& 201 Micro Economics XL ☾ 🖱 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& 126 World Civilization I XL 🖱 5
- ❑ HIST& 127 World Civilization II XL 🖱 5
- ❑ HIST& 128 World Civilization III XL 🖱 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& 214 Pacific NW History 5
- ❑ HIST 250 Intro to Latin America Ⓓ 5

Political Science
- ❑ AGBS 222 Agricultural and Water Policy XL 5
- ❑ POLS& 202 American Government 🖱 5
- ❑ POLS 222 Agricultural Policy XL 5

Psychology
- ❑ PSYC& 100 General Psychology ☾ 🖱 5
- ❑ PSYC 111 Psychology of Relationships 3
- ❑ PSYC 160 Psychology of Crim. Behavior 5
- ❑ PSYC& 180 Human Sexuality Ⓓ XL 5
- ❑ PSYC& 200 Lifespan Psychology ☾ 🖱 5
- ❑ PSYC 205 Social Psychology Ⓓ 5
- ❑ PSYC 210 Psychology of Bullying 5
- ❑ PSYC& 220 Abnormal 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 Ⓓ XL 5

Gender and Women's Studies
- ❑ GWST 180 Human Sexuality Ⓓ XL 5
- ❑ GWST 200 Intro to Women's Studies Ⓓ 5
- ❑ GWST 220 Gender & Society Ⓓ XL 5

Quantitative Skills/Reasoning [Q]

Math
- ❑ MATH& 107 Math in Society 🖱 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 XL Cross-Listed ☾ Evening 🖱 Online ✦ Non Lab Course

Natural Science [NS]

Courses marked with a ✦ are non-lab courses.

Agriculture

- ❑ AGSC 101 Intro to Environ Sciences XL 5
- ❑ AGSC 201 Basic Soil Science 5
- ❑ AGSC 130 Fundamental Agroecology 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

Anatomy & Physiology

- ❑ BIOL& 241 Human A & P I C 5
- ❑ BIOL& 242 Human A & P II C 5

Botany

- ❑ BIOL& 213 Majors Plant 5

Ecology

- ❑ BIOL 130 General Ecology 5

Zoology

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

Chemistry

- ❑ CHEM 106 Intro to Forensic Chemistry 5
- ❑ CHEM& 110 Chemical Concepts w/ Lab C 5
- ❑ CHEM& 121 Intro to Chemistry 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& 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.
- ❑ AGSC 105 Weed Biology and Identification 5
- ❑ AGSC 110 Livestock Production 5
- ❑ AGSC 113 Cultivated Plants 5
- ❑ AGBS 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
- ❑ HSS 101 Intro to Human Services 5

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

Areas of Study

Accounting Technology

CERT, AAS

http://wwcc.edu/accounting

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 also become proficient with 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. An Accounting Assistant 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.

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.

Quarter One	Credits
ACCT& 201, Principles of Accounting I	5
BUS& 101, Introduction to Business	5
CS 110, Introduction to Computers and Applications	5
Total Credits	**15**

Quarter Two	Credits
ACCT 115, Payroll Accounting	5
ACCT& 202, Principles of Accounting II	5
AENG 100, Writing in the Workplace (W)	5
Total Credits	**15**

Quarter Three	Credits
ACCT 115, Quickbooks	5
ACCT& 203, Principles of Accounting III	5
ACOM 102, Communication in the Workplace (O, R)	5
BUS 112, Business Mathematics (M)	5
Total Credits	**20**
Year One Total	**50**
Grand Total	**50**

PLAN CODE: ATBAAC45 (Previously EPC: 505A)

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) (R) - ACOM 102, CMST& 210

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.

Year One

Quarter One	Credits
ACCT& 201, Principles of Accounting I	5
BUS& 101, Introduction to Business	5
CS 110, Introduction to Computers and Applications	5
Total Credits	**15**

Quarter Two	Credits
ACCT 115, Quickbooks	5
ACCT& 202, Principles of Accounting II	5
AENG 100, Writing in the Workplace (W)	5
Total Credits	**15**

Quarter Three	Credits
ACCT 175, Payroll Accounting	5
ACCT& 203, Principles of Accounting III	5
ACOM 102, Communication in the Workplace (O, R)	5
BUS 112, Business Mathematics (M)	5
Total Credits	**20**
Year One Total	**50**

Year Two

Quarter One	Credits
BUS217, Computer Software Applications	5
BUS Elective	5
BUS Elective	5
Total Credits	**15**

Quarter Two	Credits
BUS 157, Human Relations in Business	5
BUS&201, Business Law I	5
ECON& 201, Microeconomics	5
BUS Elective	5
Total Credits	**20**

Quarter Three	Credits
BUS 287, Business Project	3
BUS Elective	5
BUS Elective	5
Total Credits	**13**
Year Two Total	**48**
Grand Total	**98**

PLAN CODE: ATBATAPT (Previously EPC: 505)

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

Agricultural Systems

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

Program available at/via:[Walla Walla]

Department Overview: Agricultural systems 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.

Entry Requirements:

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

- Achieved at least an associate in applied science degree
- Completed the following courses prior to acceptance in the program:
- ENGL& 101 English Composition I
- AGSC 201 Basic Soil Science
- At least one of the following plant science courses:
- AGSC 113 Cultivated Plants
- AGSC 114 Plant Physiology
- BIOL& 213 Plant Biology
- At least one of the following economics courses:
- AGBS 201/ECON& 201 Microeconomics
- AGBS 221 Introduction to Food and Agricultural Markets
- AGBS 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.

Degrees Bachelor of Applied Science in Agricultural Systems

Degree available at/via:[Walla Walla]

General Education Requirements Credits 50

Communications	**Credits 15**
ENGL& 101, English Composition I	5
ENGL& 235, Technical Writing	5
CMST 201, CMST& 210, or CMST& 220 Intercultural Communications, Interpersonal Communications, or Public Speaking	5
Quantitative Skills	**Credits 5**
MATH& 146, Introduction to Statistics	5
Humanities	**Credits 10**
PHIL 131, Introduction to Ethics	5
PHIL 330, Professional Ethics	5
Social Science	**Credits 10**
AGBS 201 or ECON& 201, Microeconomics in Agriculture or Microeconomics.	5
AGBS 222/POLS 222, Agricultural and Water Policy	5
Natural Science	**Credits 10**
AGSC 130, Fundamental Agroecology	5
AGSC 201, Basic Soil Science	5
Lower Division Major Course Requirements	**Credits 76**
AGSC 105, Weed Biology and Identification	5
AGSC 113, Cultivated Plants *	5
AGSC 120, Agricultural Chemistry**	5
AGSC 140 Agriculture Safety and Pesticides	5
AGSC 202 Soils Fertility and Management	5
AGSC 215, Field Crop Production ***	5
ANSC 224, Pasture and Range Management	5
AGSC 230 or ANSC 115 Plant Diseases and Insects or Animal Health and Disease	5
AGBS 221 Introduction to Food and Agricultural Markets.	5
GIS 150, Introduction to GIS	3
GIS 151, Advanced GIS	3
GIS 152, Practical Agricultural Applications of GIS	3
IRR 112, Irrigation Principles	5
IRR 220, Drip Irrigation	2
Agricultural Systems Elective****	15

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

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

****AGBS 103 can be substituted for AGSC 215*

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

Upper Division Major Course Requirements Credits 62

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 Elective* 5
PHIL 330, Professional Ethics 5
AGSY 310, Principles of Sustainability 5
AGSY 330, Soil Ecology and Biogeochemistry 5
AGSY 340, Integrated Pest Management 5
AGSY 360 Agricultural Systems Management 5
AGSY 420, Political Ecology of Agriculture and Natural Resources 5
AGSY 440, Advanced Cropping Systems I 5
AGSY 450, Advanced Cropping Systems II 5
AGSY 470, Food Systems Science 5
AGSY 494, Capstone Project Design 6
AGSY 495, Capstone Project 1

**Students will work with the BAS Navigator to select an approved upper division business elective.*

NOTE: Part-time options are available. Please contact the BAS Navigator for details.

Total Credit Required: 188

PLAN CODE: ASAASBAS (Previously EPC: 12C)

Bachelor of Applied Science in Agricultural Systems – Agricultural Business Concentration

Concentration available at/via:[Walla Walla]

Entry Requirements:

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

- Achieved at least an associate in applied science degree
- Completed the following courses prior to acceptance in the program:
- ENGL& 101 English Composition I
- AGSC 201 Basic Soil Science
- At least one of the following plant science courses:
- AGSC 113 Cultivated Plants
- AGSC 114 Plant Physiology
- BIOL& 213 Plant Biology
- At least one of the following economics courses:
- AGBS 201/ECON& 201 Microeconomics
- AGBS 221 Introduction to Food and Agricultural Markets
- AGBS 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 Credits 60

Communications **Credits 15**
ENGL& 101, English Composition I 5
ENGL& 235, Technical Writing 5
CMST 201, CMST& 210, or CMST& 220 Intercultural Communications, Interpersonal Communications, or Public Speaking 5

Quantitative Skills **Credits 5**
MATH& 146, Introduction to Statistics 5

Humanities **Credits 10**
PHIL 131, Introduction to Ethics 5
PHIL 330, Professional Ethics 5

Social Science **Credits 20**
AGBS 201 or ECON& 201, Microeconomics in Agriculture or Microeconomics. 5
AGBS 222/POLS 222, Agricultural and Water Policy 5
ECON& 202 Macroeconomics 5
BUS& 101 5

Natural Science **Credits 10**
AGSC 130, Fundamental Agroecology 5
AGSC 201, Basic Soil Science 5

Lower Division Major Course Requirements **Credits 56**
ACCT& 201, Principles of Accounting I 5
ACCT& 202 or BUS 210, Principles of Accounting II or Principles of Marketing 5
AGSC 113, Cultivated Plants* 5
AGSC 140 Agriculture Safety and Pesticides 5
AGSC 202, ANSC 224, AGSC 230, or ANSC 115, Soils Fertility, Management or Pasture and Range Management, Plant Diseases and Insects, or Animal Health and Disease 5
AGBS 108 or CS 110 Computers in Agriculture or Introduction to Computers and Applications 5
AGBS 210 Fundamentals of Selling and Customer Service .5
AGBS 220 Introduction to Finance 5
AGBS 221 Introduction to Food and Agricultural Markets. .5
BUS 157 or AGBS 211/BUS 194 Human Relations in Business or Small Business Management 5
BUS& 201 Business Law 5
Agricultural Systems Elective** 1

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

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

Upper Division Major Course Requirements Credits 62

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 350 or BUS 450, Entrepreneurship Finance or Financial Management. 5
BUS 360 or BUS 410 Project Management or Operations Management and Logistics. 5
BUS Elective* 10
AGSY 310, Principles of Sustainability 5
AGSY 440, Advanced Cropping Systems I 5
AGSY 450, Advanced Cropping Systems II 5
AGSY 494, Capstone Project Design 6
AGSY 495, Capstone Project 1
AGSY Electives* 15

**Students will work with the BAS Navigator to select an approved upper division elective.*

NOTE: Part-time options are available. Please contact the BAS Navigator for details.

Total Credits Required: 183

PLAN CODE: ASAASBAS with Subplan BAS_AGSYS (Previously EPC: 12CU)

Agriculture - Agricultural-Business

CERT, AAS-T, AAS

https://dept.wwcc.edu/ag-business/

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

Department Overview: The Agriculture program offers several degree tracks for students which include Agricultural Business, Animal Science, and Plant and Soil Science. Certificate, Associate in Applied Sciences degrees (AAS) and transfer options are available. AAS degrees in agriculture prepares students to enter into the BAS Agricultural Systems degree pathway. All AAS-T degrees in agriculture related fields are continuously being updated to align with the host institutions. Please contact an advisor for the most recent pathways for each AAS-T degree.

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 CTE Dual Credit consortium in the state of Washington. CTE Dual Credit 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 - Agriculture Education

Degree available at/via:[Walla Walla]

YEAR ONE

Quarter One	Credits
ANSC 110, Livestock Production	.5
BIOL& 211, Majors Cellular	.5
Elective*	.5
HIST& 126, World Civilization I	.5
Total Credits	**.20**

Quarter Two	Credits
AGBS 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
AGBS 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
AGSC 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
AGSC 113, Cultivated Plants	.5
CHEM& 131, Introduction to Organic/Biochemistry***	.5
CMST& 220, Public Speaking (O)	.5
ENGL& 102, English Composition II	.5
Total Credits	**.20**

Quarter Three	Credits
AGBS 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**

PLAN CODE: PTTAEAAS (Previously EPC: 880T)

REQUIRED: FYE (3 credits) required to be taken as well.

**Approved electives can be any AGBS, AGSC, IRR, GIS, 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 - 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
AGSC 113, Cultivated Plants	.5
Elective*	.5
CHEM& 121, Intro to Chemistry or CHEM& 161, General Chemistry I w/Lab	.5
GIS 150, Introduction to GIS	.3
Total Credits	**.18**

Quarter Two	Credits
ANSC 110, Livestock Production	.5
CHEM& 131, Introduction to Organic/Biochemistry or CHEM& 162, General Chemistry II w/Lab	.5
EST 132, Principles of Electricity AC Application	.5
GIS 151, Advanced GIS	.3
Total Credits	**.18**

Quarter Three	Credits
AGBS 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
GIS 152, Practical Agricultural Applications of GIS	.3
Total Credits	**.18**
Year One Total	**54**

YEAR TWO

Quarter One	Credits
AGSC 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
Elective*	.4
AGSC 140, Agriculture Safety and Pesticides	.5
BIOL& 213, Majors Plant	.5
IRR 112, Irrigation Principles	.5
IRR 221, Pump Applications	.2
Total Credits	**.21**

Quarter Three	Credits
AGBS 103, Intro to Precision Ag for Farm Management	.5
AGBS 211, Small Business Management	.5
AGSC 105, Weed Biology and Identification	.5
BIOL& 212, Majors Animal	.5
Total Credits	**.20**
Year Two Total	**61**
Grand Total	**115**

PLAN CODE: AMOAPAAS (Previously EPC: 125T)

REQUIRED: FYE (3 credits) required to be taken as well.

**Approved electives can be any AGBS, AGSC, IRR, GIS, or E&V.*

Associate of Applied Science - Transfer - Agricultural Business/Agricultural Economics

Degree available at/via:[Walla Walla]

Year One

Quarter One	Credits
AGBS 201, Microeconomics in Agriculture	.5
CMST& 220, Public Speaking	.5
ENGL& 101, English Composition I	.5
Total Credits	**.15**
Quarter Two	**Credits**
AGBS 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
AGBS211, Small Business Management	.5
MATH&141, Precalculus I	.5
Total Credits	**.15**
Quarter Three	**Credits**
ACCT& 203, Principles of Accounting III	.5
AGBS 191, Cooperative Work Experience	1 – 5
Diversity Elective	.5
MATH& 148, Business Calculus	.5
Total Credits	**.16-20**
Year Two Total	**.46-50**
Grand Total	**96-100**

PLAN CODE: ABMAAAAS (Previously EPC: 110U)

** REQUIRED: FYE (3 credits) required to be taken as well.*

Associate of Applied Science -Transfer - 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
AGSC 113, Cultivated Plants	.5
AGBS 201, Microeconomics in Agriculture	.5
CHEM& 161, General Chemistry I	.5
HIST 105, Roots of World History	.5
Total Credits	**.20**
Quarter Two	**Credits**
AGBS 221, Introduction to Food and Agricultural Markets	.5
CHEM& 162, General Chemistry II	.5
CMST& 220, Public Speaking	.5
ECON& 202, Macroeconomics	.5
Total Credits	**.20**
Quarter Three	**Credits**
AGBS 211, Small Business Management.	.5
CHEM& 163, General Chemistry III	.5
ENGL& 101, English Composition I	.5
MATH& 146, Intro to Statistics	.5
Total Credits	**.20**
Year One Total	**60**

Year Two

Quarter One	Credits
ACCT& 201, Principles of Accounting I	.5
ANSC 110, Livestock Production.	.5
AGSC 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
MATH& 141, Precalculus I	.5
Total Credits	**.15**
Quarter Three	**Credits**
ACCT& 203, Principles of Accounting III	.5
BIOL& 212, Majors Animal.	.5
MATH& 148, Business Calculus	.5
Total Credits	**.15**
Year Two Total	**50**
Grand Total	**110**

PLAN CODE: ABMABAAS (Previously EPC: 110T)

REQUIRED: FYE (3 credits) required to be taken as well.

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

***Approved electives can be any AGBS, AGSC, IRR,ENT, or E&V.*

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.

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

Quarter Two	Credits
AGBS 210, Sales and Customer Service	.5
AGBS 221, Introduction to Food and Agricultural Markets	.5
AGBS 211, Small Business Management	.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
AGSC 199, Special Topics	.1
AGSC 197, Project Design	.1
Agriculture Elective *	.5
Elective*	.5
Total Credits	**.17**
Grand Total	**52**

PLAN CODE: ABMABC45 (Previously EPC: 110C)

REQUIRED: FYE (3 credits) required to be taken as well.

**Approved electives can be any AGBS, AGSC, IRR, GIS, 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, MATH& 146

(R) - ACOM 102, CMST& 210

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
AGBS 102, Farm Records and Analysis	.5
AGBS 108, Computers in Agriculture	.5
AGBS 210, Sales and Customer Service	.5
Total Credits	**.15**

Quarter Two	Credits
AENG 100, Writing in the Workplace (W)	.5
AGBS 221, Introduction to Food and Agricultural Markets	.5
AGSC 197, Project Design	.1
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)*	.5
Agriculture Elective****	.5
Total Credits	**.21**

Quarter Three	Credits
AGBS 201, Microeconomics in Agriculture	.5
AGBS 211, Small Business Management **	.5
AGSC 199, Special Topics	.1
Agriculture Elective****	.5
Total Credits	**.16**
Year One Total	**.52**

Year Two

Quarter One	Credits
AGBS 222, Agricultural and Water Policy	.5
AGSC 297, Special Project	.1
AGSC 113, Cultivated Plants	.5
Animal Science/Irrigation Elective****	.5
Total Credits	**.16**

Quarter Two	Credits
AGBS 220, Introduction to Finance	.5
AGSC 201, Basic Soil Science	.5
AGSC 140, Agriculture Safety and Pesticides	.5
Total Credits	**.15**

Quarter Three	Credits
ACOM 102, Communication in the Workplace (O).	.5
AGBS 103, Intro to Precision Ag for Farm Management	.5
Agriculture Elective****	.5
Total Credits	**.15**
Year Two Total	**46**
Grand Total	**98**

PLAN CODE: ABMABAPT (Previously EPC: 110)

REQUIRED: FYE (3 credits) required to be taken as well.

**Math above MATH 075.*

***Either AGBS 211 or AGSC 220 will meet requirement for certificate completion. Both courses are required for degree completion.*

****Ag Electives as approved by advisor. 10-15 credits. (these are acceptable prefixes: AGBS, AGSC, ANSC, IRR, TURF, EV, WELD, BUS, EST, JD, DT.*

*****Animal Science/Irrigation Elective: Choose either IRR 112 or AGSC 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

Agriculture - Animal Science

CERT, AAS-T, AAS

https://dept.wwcc.edu/animal-science/

Program available at/via:[Walla Walla]

Department Overview: The Agriculture program offers several degree tracks for students which include Animal Science, Agricultural Business, Plant and Soil Science, and Integrated Agricultural Systems. 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 CTE Dual Credit consortium in the state of Washington. CTE Dual Credit 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 - Animal Science - Animal Management

Degree available at/via:[Walla Walla]

Year One

Quarter One	Credits
ANSC 110, Livestock Production	.5
ANSC 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**
ANSC 112, Feeds and Feeding	.5
AGBS 201, Microeconomics in Agriculture, or ECON& 201 Microeconomics	.5
CHEM&131, Introduction to Organic/Biochemistry or CHEM& 162, General Chemistry II w/Lab.	.5
MATH& 141, Precalculus I	.5
Total Credits	**.20**
Quarter Three	**Credits**
AGBS 211, Small Business Management	.5
ANSC 115, Animal Health and Disease	.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
AGSC 100, Introduction to Agriculture and Natural Resource Careers	.3
AGSC 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**
ANSC 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**

PLAN CODE: ALPAMAAS (Previously EPC: 107U)

REQUIRED: FYE (3 credits) required to be taken as well.

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

Degree available at/via:[Walla Walla]

Year One

Quarter One	Credits
ANSC 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**
ANSC 110, Livestock Production	.5
ANSC 112, Feeds and Feeding	.5
BIOL& 213, Majors Plant	.5
MATH& 142, Precalculus II	.5
Total Credits	**.20**
Quarter Three	**Credits**
AGBS 201, Microeconomics in Agriculture	.5
ANSC 115, Animal Health and Disease	.5
BIOL& 212, Majors Animal	.5
Total Credits	**.15**
Year One Total	**55**

Year Two

Quarter One	Credits
AGSC 100, Introduction 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**

PLAN CODE: ALPPVAAS (Previously EPC: 107T)

REQUIRED: FYE (3 credits) required to be taken as well.

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 meat products for human consumption, to include food safety, nutritive value, inspection, and grading.

Quarter One	Credits
AGBS 102, Farm Records and Analysis	.5
AGSC 120, Agricultural Chemistry	.5
ANSC 110, Livestock Production	.5
Total Credits	**.15**
Quarter Two	**Credits**
AGSC 140, Agriculture Safety and Pesticides	.5
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	.5
ANSC 112, Feeds and Feeding	.5
Total Credits	**.15**
Quarter Three	**Credits**
ACOM 102, Communication in the Workplace (O)	.5
AGSC 197, Project Design	.1
ANSC 115, Animal Health and Disease	.5
Elective*	.5
Total Credits	**.16**
Year One Total	**46**
Grand Total	**46**

PLAN CODE: ALPASC45 (Previously EPC: 107C)

REQUIRED: FYE (3 credits) required to be taken as well.

**Advisor approved AGBS, AGSC, GIS, EV, or IRR 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, MATH& 146

(O) - ACOM 102, CMST& 210

Associate in Applied Sciences - 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 meat 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
AGBS 102, Farm Records and Analysis	.5
AGSC 120, Agricultural Chemistry	.5
ANSC 110, Livestock Production	.5
ANSC 116, Livestock Selection and Carcass Evaluation*	.5
Total Credits	**.20**
Quarter Two	**Credits**
AGSC 140, Agriculture Safety and Pesticides	.5
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	.5
ANSC 112, Feeds and Feeding	.5
Total Credits	**.15**
Quarter Three	**Credits**
AENG 100, Writing in the Workplace (W)	.5
AGSC 197, Project Design	.1
ANSC 115, Animal Health and Disease	.5
Elective**	.5
Total Credits	**.16**
Year One Total	**.51**
Quarter One	**Credits**
AGBS 222, Agricultural and Water Policy	.5
AGSC 297, Special Project	.1
AGSC 113, Cultivated Plants	.5
Agriculture Elective***	.5
ANSC 116, Livestock Selection and Carcass Evaluation	.5
Total Credits	**.21**
Quarter Two	**Credits**
AGBS 221, Introduction to Food and Agricultural Markets	.5
AGSC 201, Basic Soil Science	.5
ANSC 274, Beef Cattle Production	.5
Total Credits	**.15**

Quarter Three	Credits
ACOM 102, Communication in the Workplace (O)	5
AGBS 201, Microeconomics in Agriculture	5
ANSC 224, Pasture and Range Management	5
AGSC 199, Special Topics	1
Total Credits	**16**
Year Two Total	**52**
Grand Total	**103**

PLAN CODE: ALPASAPT (Previously EPC: 107)

REQUIRED: FYE (3 credits) required to be taken as well.

**ANSC 116 is only offered during fall quarter of odd number years. Student may need to enroll in class during year one or year two of degree sequence based upon calendar year. Student can enroll in either ANSC 110 or ANSC 116 for certificate completion.*

*** Electives as approved by advisor. (these are acceptable prefixes: AGBS, AGSC, ANSC, IRR, TURF, EV, WELD, BUS, EST, JD, DT.*

**** Ag Electives: 5-15 credits. Must choose either AGBS 221 or AGBS 220. Additional elective credit may include AGBS 211, 220, or IRR 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) (R) - ACOM 102, CMST& 210

Agriculture - Plant and Soil Science

CERT, AAS-T, AAS

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, Agricultural Business, and Animal Science Certificate, Associate in Applied Sciences degrees (AAS) and transfer options are available. All AAS-T degrees in agriculture related fields are continuously being updated to align with the host institutions. Please contact an advisor for the most recent pathways for each AAS-T degree.

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 CTE Dual Credit consortium in the state of Washington. CTE Dual Credit 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 - Agricultural Science & Technology -Organic Agriculture

Degree available at/via:[Walla Walla]

YEAR ONE

Quarter One	Credits
AGSC 113, Cultivated Plants	.5
CHEM& 161, General Chemistry I w/Lab	.5
HIST 105, Roots of World History	.5
Total Credits	**.15**
Quarter Two	**Credits**
ENGL& 101, English Composition I	.5
AGBS 221, Introduction to Food and Agricultural Markets	.5
HIST& 127, World Civilization II	.5
CHEM& 162, General Chemistry II w/Lab	.5
Total Credits	**.20**
Quarter Three	**Credits**
AGSC 114, Plant Physiology	.5
AGBS 201, Microeconomics in Agriculture	.5
CMST& 220, Public Speaking	.5
CHEM& 163, General Chemistry III w/Lab	.5
Total Credits	**.20**
Year One Total	**55**

YEAR TWO

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

PLAN CODE: CRPAOAAS (Previously EPC: 108V)

REQUIRED: FYE (3 credits) required to be taken as well.

**Approved electives can be any AGBS, AGSC, IRR, GIS, or E&V.*

Associate of Applied Science-Transfer - Agricultural Science & Tech-Food Science

Degree available at/via:[Walla Walla]

YEAR ONE

Quarter One	Credits
CHEM& 161, General Chemistry I w/Lab	.5
HIST& 126, World Civilization I	.5
NUTR& 101, Nutrition	.5
Total Credits	**.15**
Quarter Two	**Credits**
CHEM& 162, General Chemistry II w/Lab	.5
HIST& 127, World Civilization II	.5
ENGL& 101, English Composition I	.5
Total Credits	**.15**
Quarter Three	**Credits**
AGBS 201, Microeconomics in Agriculture	.5
CHEM& 163, General Chemistry III w/Lab	.5
HIST& 128, World Civilization III	.5
Total Credits	**15**
Year One Total	**.45**

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**
AGBS 211, Small Business Management	.5
ART& 100, Art Appreciation	.5
BIOL& 213, Majors Plant	.5
Total Credits	**25**
Quarter Three	**Credits**
BIOL& 212, Majors Animal	.5
BIOL& 260, Microbiology	.5
MATH& 146, Introduction to Statistics	.5
Total Credits	**.15**
Year Two Total	**.45**
Grand Total	**.90**

PLAN CODE: CRPAFAAS (Previously EPC: 108U)

REQUIRED: FYE (3 credits) required to be taken as well.

Associate of Applied Science-Transfer - 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
AGSC 113, Cultivated Plants	.5
CHEM& 121, Intro to Chemistry or CHEM& 161, General Chemistry I w/Lab	.5
ENGL& 101, English Composition I	.5
IRR 112, Irrigation Principles	.5
Total Credits	**.20**

Quarter Two	Credits
AGSC 114, Plant Physiology	.5
CHEM& 131, Introduction to Organic/Biochemistry or CHEM& 162, General Chemistry II w/Lab	.5
GIS 150, Introduction to GIS	.3
MATH& 141, Precalculus I	.5
Total Credits	**.18**

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

Year Two

Quarter One	Credits
AGSC 201, Basic Soil Science	.5
BIOL& 211, Majors Cellular	.5
CMST& 220, Public Speaking	.5
Elective*	.5
Total Credits	**.20**

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

Quarter Three	Credits
AGBS 211, Small Business Management	.5
BIOL& 212, Majors Animal	.5
MATH& 146, Introduction to Statistics	.5
Total Credits	**.15**
Year Two Total	**55**
Grand Total	**111**

PLAN CODE: CRPAPAAS (Previously EPC: 108T

REQUIRED: FYE (3 credits) required to be taken as well.

**Approved electives can be any AGBS, AGSC, IRR, GIS, 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.

Quarter One	Credits
AGBS 102, Farm Records and Analysis	.5
AGSC 113, Cultivated Plants	.5
AGSC 120, Agricultural Chemistry	.5
Total Credits	**.15**

Quarter Two	Credits
AENG 100, Writing in the Workplace (W)	.5
AGSC 140, Agriculture Safety and Pesticides	.5
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	.5
Total Credits	**.15**

Quarter Three	Credits
AGSC 105, Weed Biology and Identification	.5
AGSC 114, Plant Physiology	.5
AGSC 197, Project Design	.1
Elective*	.5
Total Credits	**.16**
Year One Total	**46**
Grand Total	**46**

PLAN CODE: APOPSC45 (Previously EPC: 108C)

REQUIRED: FYE (3 credits) required to be taken as well.

**Approved electives can be any AGBS, AGSC, IRR, GIS, 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, MATH& 146

(R) - ACOM 102, CMST& 210

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
AGBS 102, Farm Records and Analysis	.5
AGSC 120, Agricultural Chemistry	.5
AGSC 113, Cultivated Plants	.5
Total Credits	**.15**
Quarter Two	**Credits**
AENG 100, Writing in the Workplace (W)	.5
AGSC 140, Agriculture Safety and Pesticides	.5
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	.5
Total Credits	**.15**
Quarter Three	**Credits**
AGSC 114, Plant Physiology	.5
AGSC 105, Weed Biology and Identification	.5
AGSC 197, Project Design	.1
Elective*	.5
Total Credits	**.16**
Year One Total	**46**

Year Two

Quarter One	Credits
AGSC 215, Field Crop Production	.5
AGSC 297, Special Project	.1
AGBS 222, Agricultural and Water Policy	.5
Animal Science/Irrigation Elective**	.5
Total Credits	**.16**
Quarter Two	**Credits**
ACOM 102, Communication in the Workplace (O)	.5
AGSC 230, Plant Diseases and Insects	.5
AGSC 201, Basic Soil Science	.5
Computer Science/Ag Elective***	.5
Total Credits	**.20**
Quarter Three	**Credits**
AGBS 103, Intro to Precision Ag for Farm Management	.5
AGSC 202, Soils Fertility and Management	.5
AGSC 199, Special Topics	.1
AGBS Elective****	.5
Total Credits	**.16**
Year Two Total	**52**
Grand Total	**98**

PLAN CODE: CRPPSAPT (Previously EPC: 108)

REQUIRED: FYE (3 credits) required to be taken as well.

** Ag Electives as approved by advisor. (these are acceptable prefixes: AGBS, AGSC, ANSC, IRR, TURF, EV, WELD, BUS, EST, JD, DT.*

***Animal Science/Irrigation Elective: Choose either IRR 112 or AGSC 110.*

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

*****AGBS Elective: Choose 5-10 credits of AGBS 201, AGBS 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 Program

CERT ,AAS

https://dept.wwcc.edu/allied-health/
https://dept.wwcc.edu/fire/
https://dept.wwcc.edu/nursing-assistant/

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 seeking that range from obtaining and maintaining job skills, training for new careers, and personal growth.

Certificates/Degrees:

The Allied Health & Safety Education department provides a variety of public and health education programs which prepare the student for certification in the following certificates or degrees: Emergency Medical Technician (EMT) certificate, Fire Science – 1 year certificate, Fire Science AAS degree, Phlebotomy certificate, Patient Navigation certificate, and Nursing Assistant

certificate. The Nursing Assistant course is currently offered on both Walla Walla and Clarkston Campus.

The following is a list of courses offered to help students obtain certificates or enrichment necessary for entering or remaining in the healthcare workforce. The educational courses are: Basic Life Support for Healthcare Providers (BLS), Cardiopulmonary Resuscitation (CPR), Heartsaver First Aid/CPR, Home Care Aide, Ongoing Training and Evaluation Program (OTEP), Patient Navigation, Nurse Delegation, Nursing Assistant Review, Pharmacology, Physical Assessment, Success Strategies for Healthcare Education, Survey of Healthcare Careers, Medical Terminology, Special Topics and Special Projects, and Transcultural Competency for Health Professionals.

New educational conferences or course offerings are considered based on the needs of the public and student community.

Industry Description: According to the Bureau of Labor and Statistics, there is a demand for Allied Health and Safety professionals that is distinct from medicine and nursing. The growth and longevity of the population has increased the demand for trained workers in a variety of health-related occupations and first responders. Health service jobs represent the fastest growth categories in the State of Washington.

- **Entrance Requirements:** High school diploma or GED (with exception of the Nursing Assistant course)
- Meet specific reading, writing and language proficiency requirements through placement testing.
- Pass a criminal background investigation (for courses with a practicum component)
- Complete required current healthcare worker vaccination and Tuberculosis screening (for courses with a practicum component)

Other Information: Depending on the course or degree, funding may be available through Financial Aid, sponsoring agencies, or scholarships. The WWCC Foundation may provide scholarships as well. Scholarships | Paying for College | Walla Walla Community College | WWCC and Financial Aid portal may be a resource for funding Financial Aid | Walla Walla Community College (wwcc.edu). Non-degree courses are not eligible for Federal Financial aid unless the course is part of a degree.

Degrees and Certificates

Phlebotomy Certificate

The Phlebotomy course 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 the examination for credentialing certification with the American Society of Clinical Pathologists. Recommended: Placement Test into Read 88. Formerly HO 106.

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 One	Credits
PHLB 106, Phlebotomy Technician	9
Total Credits	**9**
Year One Total	**9**
Grand Total	**9**

PLAN CODE: PHLPHC01 (Previously EPC: 382)

** This course is offered in Spring quarter on the Walla Walla Campus.*

Emergency Medical Technician (EMT)

Instruction is provided for 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 Department of Health (DOH) EMT curriculum with the addition of Washington State objectives as required by the Washington State Department of Health (WA DOH), Division of Emergency Medical and Trauma Services. Students completing this course may participate in the National Registry of Emergency Medical Technicians (NREMT) 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, placement into READ 088. Formerly HO 130.

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
EMT 130, Emergency Medical Technician	
Total Credits	**10**
Year One Total	**10**
Grand Total	**10**

PLAN CODE: EMAETC01 (Previously EPC: 364)

Patient Navigation Certificate

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

PLAN CODE: MMCPNC01 (Previously EPC: 310S)

American Sign Language

http://www.wwcc.edu/asl

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

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

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.

Art

http://wwcc.edu/art

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 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, 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/autorepair

Program available at/via:[Walla Walla] [Corrections Education – CRCC]

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

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][Corrections Education – CRCC]

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.
- E ffectively 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, R)	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**

PLAN CODE: AUMRTC45 (Previously EPC: 712C)

REQUIRED: FYE (3 credits) required to be taken as well.

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

(R) - BUS 157, PSYC& 100

Advanced Automotive Repair Technology Certificate

Certificate available at/via:[Corrections Education – CRCC]

AMM 161, Electrical & Electronics	1-19
Total Credits	**19**

PLAN CODE: AUMAAC01 (Previously EPC: 712F)

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, R)	.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
AMM 230, Automatic Transmissions	.2.5
AMM 231, Automatic Transmission Lab	.5
Total Credits	**.20**
Quarter Two	**Credits**
AMM240, Engine Performance	.5
AMM241, 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**

PLAN CODE: AUMRTAPT (Previously EPC: 712)

REQUIRED: FYE (3 credits) required to be taken as well.

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

(R) - BUS 157, PSYC& 100

Biological Sciences

AS

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& 221 Recommended)	.5
MATH& 151, Calculus I	.5
Total Credits	**.15**
Quarter Two	**Credits**
BIOL&213, Majors Plant	.5
Science Elective (PHYS 222 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& 146, Statistics*	.5
Science Elective (PHYS 123 or 203 Recommended)	.2 - 5
Total Credits	**.13-16**
Year Two Total	**.43-46**
Grand Total	**.90-93**

PLAN CODE: GEBBIAS (Previously EPC: 004A)

Business

CERT, AAS, AA-DTA

http://wwcc.edu/business

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 acquire 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.

Quarter One	Credits
ACOM 102, Communication in the Workplace (O, R)	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**

PLAN CODE: MASMBC45 (Previously EPC: 565C)

REQUIRED: FYE (3 credits) required to be taken as well.

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) (R) - ACOM 102, CMST& 210

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, R)**	.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**

PLAN CODE: MASHIAPT (Previously EPC: 565)

** REQUIRED: FYE (3 credits) required to be taken as well.*

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) (R) - ACOM 102, CMST& 210

(R) - BUS 157

Administrative Office Assistant Certificate

An Administrative Office Assistant provides clerical and administrative support to managers and other employees. Typical duties may include document processing, records, management, basic bookkeeping, answering phones, and arranging meetings. 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.

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, R)	.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**

PLAN CODE: OOCAFC45 (Previously EPC: 559C)

REQUIRED: FYE (3 credits) required to be taken as well.

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) (R) - ACOM 102, CMST& 210

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, R)	.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**
BUS151, Advanced 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**

PLAN CODE: OMSAPAPT (Previously EPC: 547)

REQUIRED: FYE (3 credits) required to be taken as well.

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

(R) - BUS 157

Entrepreneurship Certificate

Certificate available at/via:[Walla Walla] [Clarkston] [Online (full)] [Corrections Education – CRCC]

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.

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, R)	.5
BUS 194, Small Business Management	.5
Total Credits	**.15**
Year One Total	**45**
Grand Total	**45**

PLAN CODE: BAMENC45 (Previously EPC: 502C)

REQUIRED: FYE (3 credits) required to be taken as well.

**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) (R) - ACOM 102, CMST& 210

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)] [Corrections Education – CRCC & WSP]

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
AENG 100, Writing in the Workplace (W)	.5
BUS 102, Sales and Customer Service	.5
Total Credits	**.15**

Quarter Three	Credits
ACOM 102, Communication in the Workplace (O, R)	.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
BUS151, Advanced Microsoft Excel	.5
BUS215, Digital Marketing	.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
Total Credits	**.13**
Year Two Total	**48**
Grand Total	**93**

PLAN CODE: BAMBAAPT (Previously EPC: 502)

REQUIRED: FYE (3 credits) required to be taken as well.

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

(R) - BUS 157

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
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
BUS 157, Human Relations in Business (R)	.5
BUS 210, Principles of Marketing	.5
BUS 263, Photoshop	.5
Total Credits	**.15**

Quarter Three	Credits
BUS 194, Small Business Management *	.5
BUS 214, Writing for Marketing and Advertising (W)	.5
BUS 215, Digital Marketing	.5
Total Credits	**.15**
Year One Total	**45**

Year Two

Quarter One	Credits
CS 234, Audio & Video Production	.5
BUS 205, Consumer Behavior	.5
BUS 261, User Interface Design	.5
Total Credits	**.15**

Quarter Two	Credits
ACOM 102, Communication in the Workplace (O, R)	.5
BUS 250, Creativity & Design Thinking	.5
BUS 265, Advertising Design	.5
Total Credits	**.15**

Quarter Three	Credits
CS 251, Hypertext Markup Language (HTML) & Cascading Style Sheets (CSS)	.5
BUS 240, Digital Marketing Analytics	.5
BUS 262, User Experience (UX)	.5
BUS 287, Business Project	.3
Total Credits	**.18**
Year Two Total	**48**
Grand Total	**93**

PLAN CODE: MAMBAAPT (Previously EPC: 245A)

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

(W) - AENG 100, BUS 214, ENGL& 101

(M) - BUS 112, MATH& 146

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

(R) - BUS 157

Associate in Business - DTA

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

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

PLAN CODE: BUCBUAA (Previously EPC: 001B)

Business Management

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

Program available at/via: [Walla Walla] [Clarkston] [Corrections Education – CRCC]

Department Overview: WWCC's BAS in Business Management prepares you to become a leader in your chosen industry. 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.

A bachelor's level degree is required for most mid to upper management positions. Managers with increased responsibilities also receive higher wages. Typically, managers lead a team while completing other administrative tasks. The essential skills of a manager include leadership, communication, collaboration, critical thinking, finance and project management. Students begin to attain many of these skills during the AAS degree program. The BAS degree will further enhance those skills. With a BAS in Business Management, students will be ready to perform the five functions of a manager -- planning, organizing, staffing, leading and controlling. Managers in all sizes and types of businesses use these skills to accomplish department and company goals.

In addition to our primary Business Management degree, students could choose to concentrate in one of the following areas:

- Criminal Justice Administration
- Entrepreneurship
- Marketing

Students who achieve a Bachelor of Applied Science degree in Business Management may continue their education and enroll in graduate programs.

Entry Requirements:

- Applicants for the Bachelor of Applied Science in Business Management must have:
- Achieved at least an associate in applied science degree
- Completed the following courses prior to acceptance in the program:
  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.

Bachelor of Applied Science in Business Management

Degree available at/via: [Walla Walla] [Clarkston] [Corrections Education – CRCC]

General Education Requirements Credits 60

Communications Credits 15

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 Credits 5

MATH& 146 Introduction to Statistics 5

Humanities Credits 10

PHIL 131 Introduction to Ethics 5
PHIL 330 Professional Ethics 5

Social Science Credits 15

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

Natural Science Credits 5

Science Course with Lab. 5

General Education Electives Credits 10

ACCT& 201 Principles of Accounting I 5
BUS& 201 Business Law I 5

Lower Division Major Course Requirements Credits 60

AENG 100, Writing in the Workplace 5
BUS 151, Microsoft Excel 5
BUS 157, Human Relations in Business. 5
BUS 194, Small Business Management. 5
BUS 210, Principles of Marketing 5
BUS 220, Introduction to Finance 5
CS 110 Introduction to Computers and Applications. 5
Degree Program Electives. 25
Comprised of related courses required to complete an AAS degree. The Baccalaureate Navigator must approve the courses.

Upper Division Major Course Requirements Credits 61

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 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 460, Introduction to Business Analytics 5
BUS 493, Capstone Project: Part 1 2
BUS 494, Capstone Project: Part 2 2
BUS 495, Capstone Project: Part 3 2
Note: Part-time options are available. Please contact the Baccalaureate Navigator for details. PLAN CODE: BAMAEBAS (Previously EPC: 50B)

Total Credit Required 181

Bachelor of Applied Science in Business Management Criminal Justice Administration Concentration

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

Entry Requirements:

- Applicants for the Bachelor of Applied Science in Business Management – Criminal Justice Administration Concentration:
- Achieved at least an associate in applied science degree
- Completed the following courses prior to acceptance in the program:
  ENGL& 101 English Composition I or AENG 100 Writing in the Workplace
  BUS& 101 Introduction to Business
  BUS 157 Human Relations in Business
  CJ& 101 Introduction to Criminal Justice

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 Credits 15

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

Quantitative Skills Credits 5

MATH& 146, Introduction to Statistics 5

Humanities Credits 10

PHIL 131, Introduction to Ethics 5
PHIL 330, Professional Ethics 5

Social Science Credits 20

BUS& 101 Introduction to Busine 5
PSYC& 100 General Psychology 5
SOC& 101 or SOC 204 or SOC 205 5
CJ& 101, Introduction to Criminal Justice 5

Natural Science Credits 10

Science Course. 5
Science Course with Lab. 5

Lower Division CJ & Business Course Requirements (60 credits)

ACCT& 201 or BUS 220, Principles of Accounting I or Introduction to Finance 5
BUS 157, Human Relations in Business. 5
BUS& 201, Business Law I 5
CS 110, Introduction to Computers and Applications 5
CJ 104, Introduction to Policing 5
CJ& 105, Introduction to Corrections. 5
CJ& 106, Juvenile Justice 5
CJ& 110, Criminal Law 5
CJ& 112, Criminology 5
Degree Program Required Courses 15

Upper Division Major Course Requirements (56 credits)

BUS 310, Foundations of Leadership 5
BUS 330, Human Resources for Managers. 5
BUS 360, Project Management. 5
BUS 410, Operations Management and Logistics 5
BUS 370 or BUS 420, Management Information Systems or Business Strategy and Sustainability 5
CJ 302, Criminal Procedure 5
CJ 303, Legal Research 5
CJ 304, Race, Ethnicity, and Gender Relations in Criminal Justice 5
CJ 426, Victimology. 5
CJ 427, Crisis Response and De-Escalation Tactics. 5
CJ 495, Criminal Justice Capstone / Internship. 6
Total Credits 176

PLAN CODE: BAMAEBAS with SUBPLAN: BAS_CJ (Previously EPC: 50BU)

Bachelor of Applied Science in Business Management -Entrepreneurship Concentration

Concentration available at/via: [Walla Walla] [Clarkston][Corrections Education – CRCC]

Entry Requirements:

- Applicants for the Bachelor of Applied Science in Business Management – Entrepreneurship Concentration must have:
- Achieved at least an associate in applied science level degree
- Completed the following courses prior to acceptance in the program:
  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 Credits 15

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

Quantitative Skills Credits 5

MATH& 146, Introduction to Statistics 5

Humanities Credits 10

PHIL 131, Introduction to Ethics 5
PHIL 330, Professional Ethics 5

Social Science Credits 15

BUS& 101, Introduction to Business 5
ECON& 201, Microeconomics 5
ECON& 202, Macroeconomics 5

Natural Science Credits 5

Science Course with Lab. 5

General Education Electives Credits 10

ACCT& 201, Principles of Accounting I 5
BUS& 201, Business Law I 5

Lower Division Major Course Requirements (60 credits)

AENG 100 Writing in the Workplace 5
ACCT 115 Quickbooks 5
ACCT 175 Payroll Accounting 5
BUS 102 Sales and Customer Service. 5
BUS 157 Human Relations in Business 5
BUS 194 Small Business Management 5
BUS 210 Principles of Marketing. 5
CS 110 Introduction to Computers and Applications. 5
Degree Program Electives. 20

Comprised of related courses required to complete an AAS degree. The Baccalaureate Navigator must approve the courses.

Upper Division Major Course Requirements (61 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 340 Marketing Management 5
BUS 350 Entrepreneurship 5
BUS 420 Business Strategy and Sustainability 5
BUS 493 Capstone Project: Part 1 2
BUS 494 Capstone Project: Part 2 2
BUS 495 Capstone Project: Part 3 2
Choose one of the following
  BUS 360 Project Management 5
  BUS 410 Operations Management & Logistics 5
Choose five of the following:
  BUS 330 Human Resources for Managers 5
  BUS 360 Project Management 5

BUS 370 Management Information Systems 5
BUS 410 Operations Management & Logistics 5
BUS 430 International Business 5
BUS 440 Public Relations 5
BUS 450 Financial Management. 5
BUS 460 Introduction to Business Analytics 5
Total Credits 181

Note: Part-time options are available. Please contact the Baccalaureate Navigator for details

PLAN CODE: BAMAEBAS with SUBPLAN: BAS_ENTR (Previously EPC: 50BV)

Bachelor of Applied Science in Business Management -Marketing Concentration

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

Entry Requirements:

- Applicants for the Bachelor of Applied Science in Business Management – Marketing Concentration must have:
- Achieved at least an associate in applied science degree
- Completed the following courses prior to acceptance in the program:
  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 (55 Credits)

Communications Credits 15

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

Quantitative Skills Credits 5

MATH& 146, Introduction to Statistics 5

Humanities Credits 10

PHIL 131, Introduction to Ethics 5
PHIL 330, Professional Ethics 5

Social Science Credits 10

BUS& 101, Introduction to Business 5
ECON& 201, Microeconomics 5

Natural Science Credits 5

Science Course with Lab. 5

General Education Electives Credits 10

ACCT& 201, Principles of Accounting I 5
BUS& 201, Business Law I 5

Lower Division Major Course Requirements (65 credits)

BUS 157 Human Relations in Business 5
BUS 194 Small Business Management 5
BUS 205 Consumer Behavior 5
BUS 210 Principles of Marketing. 5
BUS 214 Writing for Marketing and Advertising 5
BUS 215 Digital Marketing 5
BUS 240 Digital Marketing Analytics 5
BUS 261 User Interface Design. 5
BUS 265 Advertising Design 5
CS 110 Introduction to Computers and Applications. 5
Degree Program Electives. 15

Comprised of related courses required to complete an AAS degree. The Baccalaureate Navigator must approve the courses.

Upper Division Major Course Requirements (61 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 340 Marketing Management 5
BUS 360 Project Management 5
BUS 420 Business Strategy and Sustainability 5
BUS 430 International Business 5
BUS 440 Public Relations 5
BUS 450 Financial Management. 5
BUS 460 Introduction to Business Analytics 5
BUS 493 Capstone Project: Part 1 2
BUS 494 Capstone Project: Part 2 2
BUS 495 Capstone Project: Part 3 2
Choose two of the following
BUS 330 Human Resources for Managers 5
BUS 350 Entrepreneurship 5
BUS 370 Management Information Systems 5
BUS 410 Operations Management & Logistics 5
Total Credits 181

Note: Part-time options are available. Please contact the Baccalaureate Navigator for details.

PLAN CODE: BAMAEBAS with SUBPLAN: BAS_MKTG (Previously EPC: 50BW)

Career and Academic Education / English Language Acquisition

https://dept.wwcc.edu/cap/

Program available at/via:[Walla Walla][Clarkston] [Corrections Education -CRCC][Corrections Education -WSP]

Program Overview: 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 online learning. Ongoing pre- and post-CASAS assessment are required.

Program Level Outcomes: Upon successful completion of the program, 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. Students may register any time during the quarter. There is a $25 fee per quarter.

Career and Academic Education / GED Preparation

https://dept.wwcc.edu/cap/

Program available at/via:[Walla Walla][Clarkston] [Corrections Education -CRCC][Corrections Education -WSP]

Program Overview: 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 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 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 may register any time during the quarter and there is a $25 fee per quarter.

Career and Academic Preparation

https://dept.wwcc.edu/cap/

Program available at/via:[Walla Walla][Clarkston] [Corrections Education -CRCC][Corrections Education -WSP]

Program Overview: Career and Academic Preparation (CAP) courses are 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 a high school diploma
- Pass the General Education Development (GED)
- Increase English language skills
- Prepare for college-level courses

Class fees are $25 per quarter

Adult High School Completion is a competency-based high school diploma designed for adult learners (18 and older). GED® preparation classes are designed for individuals who wish to prepare for the college entrance exam or for the four subject tests included in the General Educational Development (GED®) exam. Pre-college classes provide a learning environment that assists students in developing skills and confidence that lead to academic and workforce success.

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. Only certain programs participate in I-BEST.

Program Completion. The time required to complete the course depends on individual learning needs.

Program Level Outcomes: Upon successful completion of the program, 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 may register any time during the quarter and there is a $25 fee per quarter.

Carpentry

Certificates: Students may earn a Carpentry Certificate in addition to an Advanced Carpentry Certificate which are only available on the Corrections Education – CRCC Campus. The Construction Technology Apprenticeship Program (CTAP), is available on the Corrections Education – WSP Campus.

Certificates

Carpentry Certificate

This schedule lists all courses required for completion of the Carpentry Certificate, but the actual order and specific coursework may vary depending on student placement, start date, and quarter. Please check with your advisor prior to any substitutions.

Certificate available at/via:[Corrections Education - CRCC]

AENG 100, Writing in the Workplace (W) 5
ACOM 102, Communication in the Workplace (O,R) 5
AMATH 105, Intro to Quantitative Problem Solving for the Trades (M) 5
CARP 181,Introduction to Carpentry 1-20
CARP 182, On-site Work: Exterior Finish 1-20
CARP 183, On-site Work: Interior Finish 1-20
AHSE 022,AHA Heartsaver First Aid 4
Total Credits . . . : 69.4-75.4

PLAN CODE: CARCAC45 (Previously EPC: 745C)

Related instruction is required. The letter in parenthesis indicates which category of related instruction is represented by the given course as follows:

(W) -Written Communications

(O) - Oral Communications

(R) - Human Relations

(M) - Computation/Mathematics

Advanced Carpentry Certificate

Certificate available at/via:[Corrections Education - CRCC]

CARP 284, Advanced Work in Layout 20
Total Credits . . . . . : 20

PLAN CODE: CARACC20 (Previously EPC: 745F)

Construction Technology Apprenticeship Program (CTAP)

Certificate available at/via:[Corrections Education - WSP]

CTAP 120, Construction Trades Math 3
CTAP 130, Worksite Behavior, Readiness & Safety 5
CTAP 140, Basic Tools, Construction & Blue Prints 5
CTAP 150, Introduction to Trades 5
CTAP 160, CTAP Capstone Project 2
Total Credits . . . . . : 20

PLAN CODE: BCTCTC20 (Previously EPC: 774F)

Chemistry

AS

http://wwcc.edu/chemistry

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& 221 Engineering Physics I w/lab	.5
MATH& 151, Calculus I	.5
Total Credits	**.15**

Quarter Two	Credits
PHYS& 222 Engineering Physics II w/lab	.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& 146, Statistics	.5
PHYS& 223 Engineering Physics III w/lab	.5
Science or Math Elective	.5
Total Credits	**.16**
Year Two Total	**46**
Grand Total	**90**

PLAN CODE: PHST2AS (Previously EPC: 004B)

College Experience

https://dept.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

https://dept.wwcc.edu/collision-repair/

Program available at/via:[Walla Walla] [Corrections Education – WSP]

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

Collision Repair Technology Certificate

Certificate available at/via:[Walla Walla] [Corrections Education – WSP]

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.

Quarter One	Credits
ACOM 102, Communication in the Workplace (O, R)	.5
COLL 161, Auto Body Repair I	21
Total Credits	**26**
Quarter Two	**Credits**
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	.5
COLL 162, Auto Body Repair II	21
Total Credits	**26**
Quarter Three	**Credits**
AENG 100, Writing in the Workplace (W)	.5
COLL 163, Auto Body Refinishing	21
Total Credits	**26**
Year One Total	**78**
Grand Total	**78**

PLAN CODE: ACRCTC45 (Previously EPC: 709C)

REQUIRED: FYE (3 credits) required to be taken as well.

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) (R) - ACOM 102

Advanced Collision Repair Technology Certificate

Certificate available at/via: [Corrections Education – WSP]

COLL 264, Unibody Rebuilding	21
Total Credits	**21**

PLAN CODE: ACRAVC20 (Previously EPC: 709F)

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
ACOM 102, Communication in the Workplace (O, R)	.5
COLL 161, Auto Body Repair I	21
Total Credits	**26**
Quarter Two	**Credits**
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	.5
COLL 162, Auto Body Repair II	21
Total Credits	**26**
Quarter Three	**Credits**
AENG 100, Writing in the Workplace (W)	.5
COLL 163, Auto Body Refinishing	21
Total Credits	**26**
Year One Total	**78**

Year Two

Quarter One	Credits
COLL 264, Unibody Rebuilding	21
Total Credits	**21**
Quarter Two	**Credits**
COLL265, Electrical Mechanical	21
Total Credits	**21**
Quarter Three	**Credits**
COLL 266, Damage Estimating and Shop Operation	21
Total Credits	**21**
Year Two Total	**63**
Grand Total	**141**

PLAN CODE: ACRCTAPT (Previously EPC: 709)

REQUIRED: FYE (3 credits) required to be taken as well.

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

Communication Studies

http://wwcc.edu/speech

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

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

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 two key areas of Computer Science: 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.

Quarter One	Credits
CS 110, Introduction to Computers and Applications	5
CS 115, Introduction to Computer & Information Technology	5
Math Elective, See Mathematics Requirement (M)	5
Total Credits	**15**

Quarter Two	Credits
ACOM 102, Communication in the Workplace (O, R)	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**

PLAN CODE: CSTDCC45 (Previously EPC: 527C)

REQUIRED: FYE (3 credits) required to be taken as well.

Elective Options: CS 261.

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 or other college level math course.

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

(R) - BUS 157, PSYC& 100

Digital Design Certificate

This schedule lists all courses required for completion of the Digital Design Certificate, but the actual order and specific coursework may vary depending on student placement, start date, and quarter. Please check with your advisor prior to any substitutions.

Certificate available at/via:[Corrections Education – WSP & CRCC]

ACOM 102, Communication in the Workplace (O,R)	5
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
AENG 100, Writing in the Workplace (W)	5
CS 110, Intro to Computers and Applications	5
CS 140, JavaScript I	5
CS 251, HTML/CCS	5
CS 220, 2-Dimensional Design	5
BUS 263, Photoshop	5
CS 224, Computer Illustration (Illustrator)	5
BUS 261, User Interface Design	5
CS 262, Responsive Web Design & Technology	5
BUS 288, Marketing Project	5
Total Credits	**60**

PLAN CODE: DMWDDC45 (Previously EPC: 524C)

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
Math Elective, See Mathematics Requirement (M)	.5
Total Credits	**.15**

Quarter Two	Credits
ACOM 102, Communication in the Workplace (O, R)	.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 278, Windows Server Infrastructure	.5
CS 279, Penetration Testing & Ethical Hacking	.5
CS 281, Windows Server Networking	.5
Total Credits	**.15**
Year Two Total	**45**
Grand Total	**90**

EPC: CSTNEAPT

REQUIRED: FYE (3 credits) required to be taken as well. .

Elective Options: CS 261.

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 or other college level math course.

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

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.

Quarter One	Credits
CS 140, JavaScript I	.5
CS 233, ASP.Net Programming	.5
CS 235, Introduction to Database Design and Theory	.5
Math Elective, See 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
CS 252, User Experience (UX)	.5
Total Credits	**.20**
Year One Total	**60**
Grand Total	**60**

PLAN CODE: CPVSDC45 (Previously EPC: 501C)

REQUIRED: FYE (3 credits) required to be taken as well. The following courses meet the related instruction requirements of this certificate/degree (one course per category required):

(M) - AMATH 105, BUS 112, MATH& 146 or other college level math course.

(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
Math Elective, See 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

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, Hypertext Markup Language (HTML) & Cascading Style Sheets (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
CS 244, Introduction to Dev Ops	.5
Total Credits	**.20**

Quarter Three	Credits
CS 232, Capstone Application Development II	.5
CS Elective*	.5
Total Credits	**.15**
Year Two Total	**45**
Grand Total	**95**

PLAN CODE: CPVSDAPT (Previously EPC: 501)

REQUIRED: FYE (3 credits) required to be taken as well.

**CS& 131 for a possible Elective and add CS 252, AGSC 254, or both of CS 260 & CS 277.*

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& 141, MATH& 146 or other college level math course.

(O) - ACOM 102, CMST 201, CMST& 210, CMST& 220

(R) - BUS 157, PSYC& 100

Cosmetology

CERT, AAS

http://wwcc.edu/cosmetology

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**
COSM251, Advanced Principles and Procedures I.	11
COSM252, Practical Application V.	7
Total Credits	**18**
Year Two Total	**41**
Grand Total	**114**

EPC: CSMCOAPT (previously EPC 823)

REQUIRED: FYE (3 credits) required to be taken as well. AnyBARBcoursedesignator 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

Certificate available at/via:[Walla Walla]

Year One

Quarter One	Credits
BARB 111, Principles and Procedures of Barbering I	11
BARB 112, Practical Application I	7
Total Credits	**17**
Quarter Two	**Credits**
BARB 121, Principles and Procedures of Barbering II	11
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.	11
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	.1 - 6
BUS 112, Business Mathematics (M)	.5
Total Credits	**.11-16**
Grand Total	**.70-76**

PLAN CODE: BARBAC45 (Previously EPC: 820C)

REQUIRED: FYE (3 credits) required to be taken as well.

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

http://wwcc.edu/criminaljustice

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

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 Applied Science (AAS) Degree, which is intended to prepare students for employment in the Criminal Justice field. 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.

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 Degree in Criminal Justice

This degree is intended to prepare students for employment in the Criminal Justice field. 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
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**

PLAN CODE: CJLCJAPT (Previously EPC: 832A)

*REQUIRED: FYE (3 credits) required to be taken as well. *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, AHSE 022, PSYC 160, PYSC& 220, SOC& 101, SOC 204, SOC 205, SOC 208, SPAN& 121, SPAN& 122, and SPAN& 123.*

****** Can be substituted with HSS 103.*

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

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 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 110, ServSafe	.2
CA 112, Introduction to the Culinary Principles	.8
CA 195, Special Events	.4
AHSE 022, AHA Heartsaver First Aid/CPR	.4
Total Credits	**14.4**

Quarter Two	Credits
BUS 112, Business Mathematics (M)	.5
CA 120, Culinary Arts Methods	.10
CA 121, Kitchen Lab	.4
Total Credits	**.19**

Quarter Three	Credits
CA 130, Professional Baking	10
CA 133, Food, Wine and Culture	4
Total Credits	**14**
Year One Total	**47.4**

Year Two

Quarter One	Credits
CA 240, World Cuisines	5
CA 243, Restaurant Management	4
CA 250, Garde Manger	5
Total Credits	**14**

Quarter Two	Credits
ACOM 102, Communication in the Workplace (O)	5
CA260, 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	**44**
Grand Total	**91.4**

PLAN CODE: CACCAAPT (Previously EPC: 850)

REQUIRED: FYE (3 credits) required to be taken as well.

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

Diesel Technology

CERT, AAS

http://wwcc.edu/dieselequipment

Program available at/via:[Walla Walla] [Corrections Education – WSP]

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

Diesel Technology Certificate

Certificate available at/via:[Walla Walla] [Corrections Education – WSP]

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**

PLAN CODE: DMTDTC45 (Previously EPC: 775C)

*REQUIRED: FYE (3 credits) required to be taken as well. *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

Advanced Diesel Technology Certificate

Certificate available at/via:[Corrections Education – WSP]

DT 266, Advanced Equipment Repair I	.10
DT 284, Hydraulics	.5
DT 280, Brakes and Air Systems	.5
Total Credits	**.20**

PLAN CODE: DMTATC20 (Previously EPC: 775F)

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.

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**
DT267, Advanced Equipment Repair II	.10
DT281, Engines Advanced	.5
DT283, 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**

PLAN CODE: DMTDTAPT (Previously EPC: 775)

*REQUIRED: FYE (3 credits) required to be taken as well. *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

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

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 Initial Early Childhood Education Certificate

The Early Childhood Education Initial Certificate is a statewide 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**

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. The ECE Initial Certificate must be completed as part of the Certificate of Specialization, which is included in the outline below.

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 Learning Program	3
EDUC& 115, Child Development.	5
Total Credits	**8**
Year One Total	**20**
Grand Total	**20**

PLAN CODE: ECEADC20 (Previously 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. The ECE Initial Certificate must be completed as part of the Certificate of Specialization, which is included in the outline below.

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**

PLAN CODE: ECEFCC20 (Previously 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. The ECE Initial Certificate must be completed as part of the Certificate of Specialization, which is included in the outline below.

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**

PLAN CODE: ECESAC20 (Previously 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. The ECE Initial Certificate must be completed as part of the Certificate of Specialization, which is included in the outline below.

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**

PLAN CODE: ECEITC20 (Previously 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. The ECE Initial Certificate must be completed as part of the Certificate of Specialization, which is included in the outline below.

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**

PLAN CODE: ECEGEC20 (Previously EPC: 41E)
PLAN CODE: ECEECC01 (Previously EPC: 40E)

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.

To complete the State Early Childhood Education Certificate, the following courses must be completed in addition to completing a Short Certificate of Specialization (Early Childhood Education – General, Infant/Toddler Care, School-Age Care, Family Child Care, or Administration) and the ECE Initial Certificate:

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
EDUC& 130, Guiding Behavior 3
MATH& 107, Math in Society (M) 5
ECED& 160, Curriculum Development 5
ECED& 180, Lang/ Literacy Develop 3
ECED& 190, Observation/Assessment 3
EDUC& 150, Child/Family/Community 3

Year One Total 47

Grand Total 47

PLAN CODE: ECESEC45 (Previously EPC: 46E)

REQUIRED: FYE (3 credits) required to be taken as well. Students must earn a C or higher in all Early Childhood Education core courses.

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

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, childcare or preschool settings, and for transfer to specific baccalaureate degree programs. These include: Evergreen State College, University of Phoenix (BSM), Seattle Pacific University (Professional Studies Degree), and 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 cumulative grade point average of at least a 2.0. Please note that higher GPAs and course grades are often required.

Degree available at/via:[Walla Walla]

Transferability: This degree transfers to Evergreen State College, University of Phoenix (BSM), Seattle Pacific University (Professional Studies Degree), and Washington State University (Human Development).

Required General Education Courses Credits 40

Communication Skills Credits 15

ENGL& 101, English Composition I 5
ENGL& 102, English Composition II 5
CMST& 220, Public Speaking 5

Quantitative Skills Credits 5

Choose one of the following:
MATH& 107, Math in Society 5
MATH& 132, Mathematics for Elementary I 5

Humanities Credits 5

Choose one of the following:

ART& 100, ENGL& 111, ENGL 149, MUSC& 105 5

Social Sciences Credits 10

PSYC& 100, General Psychology 5
SOC& 101, Introduction to Sociology 5

Natural Sciences Credits 5

Course selection must be a lab science from the Natural Science distribution requirements for the AA degree.

Early Childhood Education Course

Required ECE Courses Credits 31

ECED& 105Intro Early Childhood Education, ...5
ECED& 107Health/Safety/Nutrition, ...5
ECED& 120Practicum-Nurturing Rel, ...2
EDUC& 115Child Development 5
EDUC&130 Guiding Behavior. 3
ECED& 160Curriculum Development. 5
EDUC& 203Exceptional Child* 3
ECE 239 Teaching Young Children – CAPSTONE 3

Elective ECE Courses Credits 31

Choose from the following courses

ECE 150 Math & Science for Early Childhood 5
ECE 232 The Arts in Early Childhood 5
ECE 255 Children at Risk 3
ECED& 132 Infants/Toddlers Care 3
ECED& 139 Administration of ECE* 3
ECED& 170 Learning Environments** 3
ECED& 180 Language/Literacy Development** 3
ECED& 190 Observation/Assessment** 3
EDUC& 136 or ECED& 144, School Age Care or Family Child Care* 3
ECED& 134 Family Child Care. 1
EDUC& 150 Child/Family/Community** 3

Total Credits 91

PLAN CODE: ECEECAAS (Previously EPC: 402T)

**Indicates courses only available online, not available on campus at WWCC.*

***Indicates ECE elective courses required for the State ECE Certificate.*

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
FYE 101, 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**
ECE150, Math and Science for Early Childhood	5
ECE291, 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**

PLAN CODE: ECEECAPT (Previously EPC: 402)

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

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

Program available at/via:[Walla Walla]

Department Overview: 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.

Transfer options also exist in Environmental & Ecosystem Sciences, Forest Ecology and Management and Wildlife Ecology & Conservation Science.

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: This degree provides the science and general education courses needed for students who are planning a future transfer to major in Earth Sciences at Washington State University (WSU). Students who complete the AAS-T requirements will begin with junior standing at WSU.

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.

Transfer options also exist in Environmental & Ecosystem Sciences, Forest Ecology and Management and Wildlife Ecology & Conservation Science.

Entrance Requirements:

Students can start fall, winter, spring, or summer quarter. WWCC has an open admissions process. It's free to apply and everyone who applies is accepted. Applications are accepted year-round! Apply online.

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& 131, Introduction to Organic/Biochemistry **	.5
CMST& 210, Interpersonal Communications	.5
MATH& 142, Precalculus II	.5
Total Credits	**.15**
Quarter Three	**Credits**
CHEM& 123, Introduction to Biochemistry ***	.5
ART& 100, Art Appreciation	.5
GEOL& 101, Intro to Physical Geology	.5
Total Credits	**.15**
Year One Total	**45**

YEAR TWO

Quarter One	Credits
AGBS 222, Agricultural and Water Policy	.5
BIOL& 211, Majors Cellular	.5
GIS 150, Introduction to GIS	.3
MATH& 151, Calculus I	.5
Total Credits	**.18**
Quarter Two	**Credits**
BIOL& 213, Majors Plant	.5
GIS 151, Advanced GIS	.3
MATH& 152, Calculus II	.5
Total Credits	**.13**
Quarter Three	**Credits**
AGBS 201 or ECON& 201, Microeconomics in Agriculture or Microeconomics	.5
BIOL& 212, Majors Animal	.5
HIST& 128, World Civilization III	.5
Total Credits	**.15**
Year Two Total	**46**
Grand Total	**91**

PLAN CODE: NRCWEAAS (Previously EPC: 165U)

Economics

http://wwcc.edu/economics

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

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.)

Degrees Associate in Math Education - DTA/MRP

This degree is for students planning to major in secondary math education at a baccalaureate institution. It is a statewide transfer agreement for secondary math education majors between the community colleges and public baccalaureate institutions in the state of Washington.

This Direct Transfer Agreement (DTA) will fulfill the general education requirements at the public Washington state baccalaureate institutions.

Students must earn a cumulative grade point average of at least a 2.0. Please note that higher GPA's are often required for admission to math education programs. It is strongly recommended that students contact the baccalaureate granting education school early in their Associate in Math Education - DTA program to be advised about additional requirements and procedures for admission. Students must take the WEST in order to apply to teacher preparation programs in Washington State.

Degree available at/via:[Walla Walla]

PLAN CODE: METMEAS (Previously EPC: 001M)

Energy Systems Technology

CERT, AAS

http://wwcc.edu/energy

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.
- Explain solid state components and devices.

Industry Description: There is increased demand for technicians and operators with robust electrical and mechanical 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.

Degrees and Certificates

Mechanical Electrical Technician - Short Certificate

Certificate available at/via:[Walla Walla]

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**

Plan Code EEIMEC20 (Formerly 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

Certificate available at/via:[Walla Walla]

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**

Plan Code VIECMC20 (Formerly EPC: 780SR)*

** Can be substituted with EST 131, EST 106, EST 159, EST 202, or IRR 221.*

*** Approved elective can be any EST or EV course.*

Industrial Electrical Maintenance Certificate

Certificate available at/via: This certificate is ONLY available to employees at Tyson Foods.

YEAR ONE

Quarter One	Credits
ACOM 102, Applied COmmunications (O,R)*	.5
AMATH 105, Intro to Quantitative Problem Solving for Trades (M)*	.5
EST 115, Industrial Mechanics	.5
AHSE 022, AHA Heartsaver First Aid	.0.4
Total Credits	**15.4**
Quarter Two	**Credits**
EST 145, Industrial Safety and Rigging	.5
EST 159, Hydraulics and Pneumatics	.3
EST 260, Introduction to the National & Industry Electrical Codes	.2
IRR 221, Pump Applications	.2
Total Credits	**.12**
Quarter Three	**Credits**
EST 131, Principles of Electricity Theory	.5
EST 132, Principles of Electricity AC Application	.5
EST 150, Electric Motors and Motor Maintenance	.3
Total Credits	**.13**
Quarter Four	**Credits**
EST 133, Introduction to Controls	.5
WELD 141, Welding Basics	.4
WELD 151, Shielded Metal Arc Welding I	.4
Total Credits	**.13**
Grand Total	**.53.4**

PLAN CODE: CTTIEC45

**O = Oral Communication / M = Mathematics / R = Human Relations; all 3 required for state-listed certificate*

Mechanical Electrical Concentration

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
IRR 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**

PLAN CODE: EEIMEC45 (Previously EPC: 780E)

REQUIRED: FYE (3 credits) required to be taken as well.

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 & Devices.

YEAR ONE

Quarter One	Credits
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	**.12**

Quarter Two	Credits
AMATH 106, Quantitative Problem Solving for the Trades I (M)*	.5
CS 110, Introduction to Computers and Applications	.5
BLPT 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
AHSE 022, AHA Heartsaver First Aid/CPR	.4
EST 115, Industrial Mechanics **	.5
EST 133, Introduction to Controls	.5
EST 150, Electric Motors and Motor Maintenance	.3
Total Credits	**18.4**
Year One Total	**.47.4**
Grand Total	**.47.4**

PLAN CODE: EEIETC45 (Previously 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: FYE (3 credits) required to be taken as well.

**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

Certificate in Energy Systems - HVACR

Certificate available at/via:[Corrections Education – WSP & CRCC]

AENG 100, Writing in the Workplace (W)	.5
ACOM 102, Communication in the Workplace (O,R,)	.5
AMATH 106, Quantitative Problem Solving for the Trades I (M) (R)	.5
AHSE 022, AHA Heartsaver First Aid (R)	.4
HVACR 100, Refrigeration Basics I	.4
HVACR 101, Refrigeration Basics II	.4
HVACR 131, Principles of Electricity Theory	.5
HVACR 144, Industrial Safety in the Workplace	.3
HVACR 110, Refrigeration Components	.5
HVACR 130, Electricity for HVACR	.5
HVACR 133, Introduction to Controls	.5
HVACR 150, Electric Motors and Motor Maintenance	.3
HVACR 120, Air Conditioning and Heating Systems	.5
HVACR 260, Introduction to the National Electrical Code	.2
HVACR 197, Project Design	.1
HVACR 225, Commercial Air Conditioning Systems	.4
HVACR 266, Commercial Refrigeration II	.4
HVACR 297, Special Projects	.5

AMATH 107,Quantitative Problem Solving for the Trades II (M) 5

Total Credits . . . . . .: 91.4

PLAN CODE: HRMEASAPT (Previously EPC: 703)

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
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	**.12**
Quarter Two	**Credits**
AMATH 106, Quantitative Problem Solving for the Trades I (M)*	.5
CS 110, Introduction to Computers and Applications **	.5
BLPT 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
AHSE 022, AHA Heartsaver First Aid/CPR	.4
Total Credits	**18.4**
Year One Total	**.47.4**

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
Total Credits	**.14-16**
Year Two Total	**.44-55**
Grand Total . .	**91.4-102.4**

PLAN CODE: EEIESAPT (Previously EPC: 780A)

REQUIRED: FYE (3 credits) required to be taken as well.

**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) - ENGL& 101

(M) - AMATH 106

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

(R) - BUS 157, PSYC& 100

Industrial Mechanics Concentration

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
IRR 221, Pump Applications	.2

Total Credits	**16**

Quarter Three	**Credits**
Electives	5
EST 250, Programmable Logic Controllers	5
PMT 121, Precision Machining Basics II	5
Total Credits	**15**
Year Two Total	**44**
Grand Total	**44**

PLAN CODE: IMMICC20 (Previously EPC: 768E)

REQUIRED: FYE (3 credits) required to be taken as well.

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

(W) - AENG 100

Facilities Energy Management Concentration

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]

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
IRR 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**

PLAN CODE: HRMEFC45 (Previously EPC: 703G)

REQUIRED: FYE (3 credits) required to be taken as well.

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

(W) - AENG 100

Renewable Energy Concentration

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**

PLAN CODE: CTTREC45 (Previously EPC: 609G)

REQUIRED: FYE (3 credits) required to be taken as well.

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

(W) - AENG 100

Engineering Technology

CERT

https://dept.wwcc.edu/engineering-technology/

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 two short certificates that provide hands-on training in computer-aided drafting and design and engineering graphics.

Program Level Outcomes:

- Provide the skills necessary to enter the workforce as an entry level GIS or CADD Technician or Surveyor.
- Remain technically current and responsive to the changing needs of society.

Degrees:

Students may earn either a short certificate in GIS (Geographic Information Systems) or CADD (Computer-Aided Drafting & Design) which allow students to pursue entry level jobs. Students may then access employer training or additional course work to expand their skills.

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. Technicians assist engineers in the design process using computer-aided drafting and design or geographic information systems skills.

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

CADD Short Certificate

Certificate available at/via:[Walla Walla]

YEAR ONE

Quarter One	Credits
CAD 121, 2-D Computer Aided Drafting and Design	3
Total Credits	**3**
Quarter Two	**Credits**
CAD 122, 3-D Advanced Computer Aided Modeling & Design	5
Year One Total	**8**
Grand Total	**8**

PLAN CODE: SUTCDC01 (Previously EPC: 624R)

GIS Short Certificate

Certificate available at/via:[Walla Walla]

YEAR ONE

Quarter One	Credits
GIS 150, Introduction to GIS	3
Total Credits	**3**
Quarter Two	**Credits**
GIS 151, Advanced GIS	3
Total Credits	**3**
Quarter Three	**Credits**
GIS 152, Practical Agricultural Applications of GIS	3
Total Credits	**3**
Year One Total	**9**
Grand Total	**9**

PLAN CODE: SUTGSC01 (Previously EPC: 624S)

Engineering Transfer

http://www.wwcc.edu/engineering

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:

Walla Walla Community College offers the Calculus and Physics courses that satisfy the Engineering pathway.

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/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.

English

http://wwcc.edu/english

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

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.

Warrior Tutoring Services 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

https://www.wwcc.edu/enology

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.

ENOLOGY AND VITICULTURE

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 visit the following webpage: https://dept.wwcc.edu/enology/admission-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 seminars 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

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.

Quarter One	Credits
EV Elective*	6
EV 189, Sensory Analysis of Wine	3
EV 203, Science of Winemaking I	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**

PLAN CODE: VIEFSC45 (Previously EPC: 121E)

** 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: FYE (3 credits) required to be taken as well.*

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

Students must complete related instruction requirements in the following categories to receive this certificate: Written Communications, Oral Communications, and Human Relations. Students must complete the Viticulture Science Certificate before completing the Fermentation Science Certificate.

(W) - AENG 100

(R) - BUS 102, BUS 157, ACOM 102, PSYC 111

Viticulture Science Certificate

This certificate is dedicated to the science of wine making/wine grape 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.

Quarter One	Credits
AGSC 113, Cultivated Plants	5
AGSC 201, Basic Soil Science	5
EV 107, Introduction to Viticulture and Enology	4
Total Credits	**14**
Quarter Two	**Credits**
AGSC 202, Soils Fertility and Management	5
EV Elective*	1
EV 101, Establishing a Vinifera Vineyard	4
IRR 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
IRR 220, Drip Irrigation	2
Total Credits	**16**
Year One Total	**45**
Grand Total	**45**

PLAN CODE: VIEVCC45 (Previously 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: FYE (3 credits) required to be taken as well.*

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
AGSC 113, Cultivated Plants	5
AGSC 201, Basic Soil Science	5
EV 107, Introduction to Viticulture and Enology	4
Total Credits	**14**
Quarter Two	**Credits**
AGSC 202, Soils Fertility and Management	5
EV 101, Establishing a Vinifera Vineyard	4
EV 120, Introduction to Chemistry for Wine Students	3
IRR 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
IRR 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	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**

PLAN CODE: VIEEVAPT (Previously 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, AGSC 105, AGSC 114, AGSC 230, AGBS 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, AHSE 022, SPAN& 121, WELD 141 and/or any CHEM or AG CHEM course. REQUIRED: FYE (3 credits) required to be taken as well.*

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 & Ecosystem Sciences

AAS-T

http://www.wwcc.edu/wtmee

Program available at/via:[Walla Walla]

Department Overview: 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.

Transfer options also exist in Earth Sciences, Forest Ecology & Management, and Wildlife Ecology & Conservation Science.

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: This degree provides the science and general education courses needed for students who are planning a future transfer to a Bachelor of Science in Environmental & Ecosystem Sciences at Washington State University (WSU). Students who complete the AAS-T requirements will begin with junior standing at WSU.

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.

Transfer options also exist in Earth Sciences, Forest Ecology & Management, and Wildlife Ecology & Conservation Science.

Entrance Requirements:

Students can start fall, winter, spring, or summer quarter. WWCC has an open admissions process. It's free to apply and everyone who applies is accepted. Applications are accepted year-round! Apply online.

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
AGSC 201, Basic Soil Science	.5
CHEM& 121, Introduction to Chemistry *	.5
MATH& 141, Precalculus I	.5
Total Credits	**.15**
Quarter Two	**Credits**
CHEM& 131, Introduction to Organic/Biochemistry **	.5
ENGL& 101, English Composition I	.5
MATH& 142, Precalculus II	.5
Total Credits	**.15**
Quarter Three	**Credits**
AGBS 201, Microeconomics in Agriculture	.5
CHEM& 123, Introduction to Biochemistry ***	.5
HIST& 128, World Civilization III	.5
Total Credits	**.15**
Year One Total	**45**

YEAR TWO

Quarter One	Credits
BIOL& 211, Majors Cellular	.5
CMST& 210, Interpersonal Communications	.5
GIS 150, Introduction to GIS	.3
Total Credits	**.13**
Quarter Two	**Credits**
ART& 100, Art Appreciation	.5
BIOL& 213, Majors Plant	.5
GIS 151, Advanced GIS	.3
MATH& 146, Introduction to Statistics	.5
Total Credits	**.18**

Quarter Three	Credits
AGBS 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	**91**

PLAN CODE: NRCWVAAS (Previously EPC: 165V)

REQUIRED: FYE (3 credits) required to be taken as well.

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

https://dept.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. Emergency Medical Technician (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. The Fire Science program at WWCC works closely with local fire departments and the Emergency Medical Services (EMS) system in order to offer a quality program and the curriculum is reviewed by an Advisory Committee composed of 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/Certificates: Students may earn an Associate in Applied Sciences Degree (AAS) 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 the sequence of Fire Science courses begins in Fall quarter (even years). Students who miss the fall enrollment period may take the general education or Fire Science courses at any time in the course sequence. 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. Some Fire Science courses will require a physical endurance test.

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

Fire Academy Short Certificate

Certificate available at/via:[Walla Walla]

YEAR ONE

Quarter One	Credits
FIRE 101, Firefighting Academy 101	10
Total Credits	**10**
Year One Total	**10**
Grand Total	**10**

Plan Code: FIGFAC01 (previously EPC: 828D)*

Fire Science Certificate

This certificate is equivalent to the first year of the AAS Degree in Fire Science.

Degree sequence applicable beginning with 2022-2023 cohort.

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.

FIRST YEAR

Quarter One	Credits
EMT 130, Emergency Medical Technician (EMT)	10
ACOM 102 or CMST& 220, Communication in the Workplace or Public Speaking	5
Total Credits	**18**
Quarter Two	**Credits**
FIRE 101, Firefighting Academy (Firefighter I)*	10
FIRE 170, Hazardous Materials Operations*	3
AENG 100 or ENGL& 101, Writing in the Workplace or English Composition I (W)	5
Total Credits	**: 18**
Quarter Three	**Credits**
FIRE 177, Wildland Fire Management*	4
FIRE 130, Hydraulics	3
FIRE 152, Building Construction	3
FIRE 135, Fire Service Resume Building & Interviews	1
AMATH 105 or MATH& 107, Intro. To Quantitative Problem Solving for the Trades or Math in Society (M).	5
Total Credits	**: 16**
Grand Total	**49**

PLAN CODE: FIGFSC45 (Previously EPC: 828C)

REQUIRED: FYE (3 credits) required to be taken as well.

**May be satisfied by industry credential/certification*

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

(W) - AENG 100, ENGL& 101

(M) - MATH& 107

(O) - CMST& 220

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
EMT 130, Emergency Medical Technician (EMT)	10
ACOM 102 or CMST& 220, Communication in the Workplace or Public Speaking	5
Total Credits	**: 15**
Quarter Two	**Credits**
FIRE 101, Firefighting Academy (Firefighter I)*	10
FIRE 170, Hazardous Materials Operations*	3
AENG 100 or ENGL& 101, Writing in the Workplace or English Composition I (W)	5
Total Credits	**: 18**

Quarter Three	Credits
FIRE 177, Wildland Fire Management*	4
FIRE 130, Hydraulics	3
FIRE 152, Building Construction	3
FIRE 135 Fire Service Resume Building & Interviews	1
AMATH 105 or MATH& 107, Intro. To Quantitative Problem Solving for the Trades or Math in Society (M)	5
Total Credits	**16**
Year-One Total:	**49**

Year Two

Quarter One	Credits
FIRE 137, Fire Protection Systems	3
CS 110, Introduction to Computers and Applications	5
CHEM& 110, Chemical Concepts with Lab	5
Total Credits	**13**

Quarter Two	Credits
FIRE 120, Fire Investigation	3
FIRE 190, Fire Codes and Inspections	4
PSYC& 100, General Psychology (R)	5
Total Credits:	**12**

Quarter Three	Credits
FIRE 155, Fire Instructor I	3
FIRE 160, Fire Tactics I	3
FIRE 299, Leadership	3
SOC& 101, Introduction to Sociology	5
Total Credits	**14**
Year-Two Total:	**39**
Grand Total	**91**

PLAN CODE: FIGFSAPT (Previously EPC: 828)

**May be satisfied by industry credential/certification*

REQUIRED: FYE (3 credits) required to be taken as well.

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& 107

(O) - ACOM 102, CMST& 220

(R) - PSYC& 100

First Year Experience

https://dept.wwcc.edu/fye/

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

Department Overview: The mission of FYE is to create an environment that supports a first year student's 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.

Forest Ecology and Management

AAS-T

http://www.wwcc.edu/forestry

Program available at/via:[Walla Walla]

Department Overview: 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. Students in this program will complete the basic science and related courses needed to transfer to WSU to pursue discipline-specific upper-level courses.

Transfer options also exist in Earth Sciences, Environmental & Ecosystem Sciences, and Wildlife Ecology & Conservation Science.

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: This degree provides the science and general education courses needed for students who are planning a future transfer to major in Forest Ecology and Management at Washington State University (WSU). Students who complete the AAS-T requirements will begin with junior standing at WSU.

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. Students in this program will complete the basic science and related courses needed to transfer to WSU to pursue discipline-specific upper-level courses.

Transfer options also exist in Earth Sciences, Environmental & Ecosystem Sciences, and Wildlife Ecology & Conservation Science.

Entrance Requirements: Students can start fall, winter, spring, or summer quarter. WWCC has an open admissions process. It's

free to apply and everyone who applies is accepted. Applications are accepted year-round! Apply online.

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 Forest Ecology and Management 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& 131, Introduction to Organic/Biochemistry **	.5
HIST& 127, World Civilization II	.5
MATH& 142, Precalculus II	.5
Total Credits	**.15**
Quarter Three	**Credits**
AGBS 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
AGSC 201, Basic Soil Science	.5
BIOL& 211, Majors Cellular	.5
CMST& 210, Interpersonal Communications	.5
GIS 150, Introduction to GIS	.3
Total Credits	**.18**
Quarter Two	**Credits**
ART&100, Art Appreciation	.5
BIOL&213, Majors Plant	.5
GIS 151, Advanced GIS	.3
Total Credits	**.13**
Quarter Three	**Credits**
AGBS 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**

PLAN CODE: NRCWFAAS EPC: 165W

REQUIRED: FYE (3 credits) required to be taken as well.

Gender and Women's Studies

http://www.wwcc.edu/gwst

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

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

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.

High School Completion

http://www.wwcc.edu/highschool

Program available at/via:[Walla Walla] [Clarkston] [Corrections Education - CRCC]

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

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

http://www.wwcc.edu/humanservices

Program available at/via:[Walla Walla] [Corrections Education – CRCC & WSP]

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.

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:

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 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)]

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
AHSE 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
SOC206, 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**

PLAN CODE: CHLHSAPT (Previously EPC: 385)

REQUIRED: FYE (3 credits) required to be taken as well.

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

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).

Intensive English Language Program

https://dept.wwcc.edu/ielp/

Program available at/via:[Walla Walla]

Department Overview: 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 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/

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

Department Overview: Irrigation Business Management provides practical learning experience in irrigation system design, operation, scheduling, and troubleshooting, plus business and marketing skills. Graduates are prepared to design, install, operate, maintain, manage, and market commercial and residential irrigation systems and businesses. All of the courses required for the degree and certificate can be taken online.

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 irrigation systems and small business operations, 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: The Associate of Applied Science (AAS) degree in Irrigation Business Management is a two-year degree program that prepares students for work in the industry. A one-year certificate in Commercial & Residential Irrigation is also available. All of the courses required for the degree and certificate can be taken online.

Industry Description: The commercial and residential irrigation industries continue to experience technological advancements in labor saving and water conserving irrigation systems. Highly skilled irrigation technicians are required to design, install, operate and maintain these new products, and skilled

managers are needed to market and manage the businesses or departments responsible for providing these services.

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. WWCC has an open admissions process. It's free to apply and everyone who applies is accepted. Applications are accepted year-round! Apply online.

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.

Quarter One	Credits
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	.5
CS 110, Introduction to Computers and Applications	.5
IRR 112, Irrigation Principles	.5
Total Credits	**.15**
Quarter Two	**Credits**
ACOM 102, Communication in the Workplace (O)	.5
AGSC 201, Basic Soil Science	.5
IRR 110, Irrigation Design and Components	.5
IRR 221, Pump Applications	.2
Total Credits	**.17**
Quarter Three	**Credits**
AENG 100, Writing in the Workplace (W)	.5
IRR 197, Design Project	.2
IRR 220, Drip Irrigation	.2
IRR 225, Irrigation Controls	.5
Total Credits	**.14**
Year One Total	**46**
Grand Total	**46**

PLAN CODE: AMOCRC45 (Previously EPC: 125F)

REQUIRED: FYE (3 credits) required to be taken as well.

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
IRR 112, Irrigation Principles	.5
Total Credits	**.15**
Quarter Two	**Credits**
ACOM 102, Communication in the Workplace (O)	.5
AGBS 201, Microeconomics in Agriculture	.5
IRR 110, Irrigation Design and Components	.5
IRR 221, Pump Applications	.2
Total Credits	**.17**

Quarter Three	Credits
AENG 100, Writing in the Workplace (W)	.5
IRR 197, Design Project	.2
IRR 220, Drip Irrigation	.2
IRR 225, Irrigation Controls	.5
Total Credits	**.14**
Year One Total	**46**

Year Two

Quarter One	Credits
AGSC 113, Cultivated Plants	.5
BUS 194, Small Business Management	.5
BUS 210, Principles of Marketing	.5
BLPT 112, Blueprint Reading	.2
Total Credits	**.17**

Quarter Two	Credits
AGSC140, Agriculture Safety and Pesticides	.5
CAD121, 2-D Computer Aided Drafting and Design	.3
TURF215, Turf Diseases and Insects	.5
Total Credits	**.13**

Quarter Three	Credits
ACCT 115, Quickbooks	.5
BUS 215, Digital Marketing	.5
IRR 297, Special Projects	.4
Total Credits	**.14**
Year Two Total	**44**
Grand Total	**90**

PLAN CODE: AMOIBAPT (Previously EPC: 125B)

REQUIRED: FYE (3 credits) required to be taken as well.

John Deere Technology

AAS

http://wwcc.edu/johndeere

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
AHSE 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**

PLAN CODE: AMOJTAPT (Previously EPC: 125)

REQUIRED: FYE (3 credits) required to be taken as well.

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

Mathematics

http://wwcc.edu/math

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

Department Overview: Mathematics are important in virtually every field of study. 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 department strives to offer learning experiences that reflect the most effective teaching methodologies and implement current technological innovations and tools.

Students planning to complete precalculus may take a preparatory course in introductory algebra; otherwise, the algebra necessary for entry-level college math courses is offered as corequisite support. (Click this link for details.) For students continuing mathematical studies beyond precalculus, we offer several calculus courses as well as linear algebra.

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, an Associate in Science Option II degree, or an Associate in Math Education degree (for students planning to teach high school math), all of which are 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 Degrees section of the 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

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:
  - 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.

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, WACs, 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

Certificate available at/via:[Walla Walla]

This certificate prepares the student for employment in all areas of the nail industry.

YEAR ONE

Quarter One	Credits
NAIL 111, Principles and Procedures of Nail Technology I	11
NAIL 112, Nail Technology I Practical Application	7
Total Credits	**18**
Quarter Two	**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**

PLAN CODE: NTMNTC20 (Previously EPC: 821)

Nursing Assistant

CERT

https://dept.wwcc.edu/nursing-assistant/

Program available at/via:[Walla Walla][Clarkston]
Hybrid online or Onsite

Department Overview: The Nursing Assistant course 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 the 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.

Certificates

Nursing Assistant (NA)

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 and receive a certificate of completion. Nursing Assistant students' grades are determined by a total points system for each section of coursework. Seventy-five percent (75%) is required for each section to pass the course (exception: 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**

PLAN CODE: NAANAC01 (Previously EPC: 329)

Nursing Education

AA-DTA

http://wwcc.edu/nursing

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): 3390 Peachtree Rd NE, Suite 1400, Atlanta, Georgia 30326, phone (404) 975-5000, http://www.acenursing.org.

Letter of ACEN Accreditation

Program Level Outcomes:

- The program's most recent annual pass rate on the National Council Licensure Examination for Registered Nurses (NCLEX-RN) 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 two years (six quarters) of enrollment in the first nursing course.
- Ninety percent (90%) of the nursing graduates who responded to the Nursing Graduate Survey will report being employed in nursing 6-12 months after graduation.
- Forty percent (40%) of the nursing graduates who responded to the Nursing Graduate Survey will report being admitted to or having completed a Bachelor of Science in Nursing (BSN) degree at 6-12 months after graduation.
- Ninety percent (90%) of the nursing graduates who responded to the Nursing Graduate Survey will rate their overall nursing program satisfaction at ≥ 3 on a 1-4 point scale. (4 = Highly satisfied, 3 = Satisfied, 2 = Dissatisfied, 1 = Highly dissatisfied)
- Eighty percent (80%) of the employers of nursing program graduates who responded to the Employer Survey will rate the Overall Job Preparation of graduates 3 on a 1-4 point scale. (4 = Excellent, 3 = Good, 2 = Fair, 1 = Poor)

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 2021 was $77,600 or $37.31/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& 241, Human A & P I, ... 5 credits
BIOL& 242, 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
PHIL 140, Ethics and Policy in Healthcare I	1
PSYC 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
PSYC 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
PHIL 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
PHIL 240, Ethics and Policy in Healthcare III	1
PSYC 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
PHIL 241, Ethics and Policy in Healthcare IV	1
PSYC 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
PHIL 242, Ethics and Policy in Healthcare V	1
Total Credits	**12**
Year Two Total	**38**
Grand Total	**70**

PLAN CODE: RENDTAA (Previously EPC: RNDT)

Nutrition

http://wwcc.edu/nutrition

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

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][Online]

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

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

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

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.

Political Science

http://wwcc.edu/politicalscience

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] [Corrections Education – WSP]

Department Overview: Precision Machining Technology trains individuals to accomplish the increasingly highly technical work required in today's advanced machining environment. The program provides both lecture and laboratory experiences using modern machine tools and computer-controlled equipment. Students learn to utilize Computer-Numeric-Controlled (CNC) machine tools and Computer-Aided-Design and Machining (CAD/CAM) systems, as well as inspection equipment such as computer Coordinated Measuring Machines (CMM). The Precision Machining curriculum is reviewed by an advisory board composed of local and regional industry members.

Degrees: Students may earn a CNC Machine Operator Certificate, only available at Corrections Education – WSP Campus. Courses for Precision Machining Technology are available at the Clarkston Campus.

Certificates

CNC Machine Operator Certificate

CNC Machine Operator is a state certificate that provides students with entry-level CNC machine operating skills and the foundation to pursue additional machining certificates. Prerequisites: High School/GED diploma.

Certificate available at/via: [Corrections Education – WSP]

AENG 100, Writing in the Workplace (W) 5
ACOM 102, Communication in the Workplace (O,R) 5
AMATH 106, Quantitative Problem Solving
for the Trades I (M) 5
CNC 101, CNC Operations I 5
CNC 102, Measuring & Inspection. 5
CNC 103, Machining Processes 5
CNC 104, Blueprint Reading for CNC Operations 5
CNC 111, Operations II 5
CNC 112, Geometric Dimensions & Tolerancing 5
CNC 113, Introduction to CNC Programming 5
CNC 114, Tools & Cutting Theory 5
Total Credits . . . . . : 55

PLAN CODE: CNCCOC45 (Previously EPC: 809E)

Psychology

http://wwcc.edu/psychology

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

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

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

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

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 the program have the opportunity to participate in a work experience as part of the program to gain relevant hands-on and field experience to prepare for the industry. The program can be completed fully or partially online depending on student learning preference. 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.

- 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: The Associate of Applied Science (AAS) degree in Turf Management is a two-year degree program that prepares students for work in the industry. A one-year certificate in Turf Management is also available. The program can be completed fully or partially online depending on student learning preference.

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: Students may enter the program fall, winter, or spring quarter, however, due to course sequencing, it is recommended to begin in the fall. WWCC has an open admissions process. It's free to apply and everyone who applies is accepted. Applications are accepted year-round! Apply online.

Other Information: p>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
ACOM 102, Communication in the Workplace	5
AGSC 113, Cultivated Plants	5
IRR 112, Irrigation Principles	5
TURF 101, Turf Equipment Operations I	3
Total Credits	**18**
Quarter Two	**Credits**
AENG 100, Writing in the Workplace (W)	5
AGSC 140, Agriculture Safety and Pesticides	5
IRR 110, Irrigation Design and Components	5
TURF 197, Project Research	1
TURF 215, Turf Diseases and Insects	5
Total Credits	**21**
Quarter Three	**Credits**
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
IRR 225, Irrigation Controls	5
TURF 122, Turf Maintenance Practices	3
Total Credits	**13**
Year One Total	**52**
Grand Total	**52**

PLAN CODE: TTMTMC45 (Previously EPC: 160C)

REQUIRED: FYE (3 credits) required to be taken as well.

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

(W) - AENG 100

(M) - AMATH 105, AMATH 106, BUS 112, MATH& 146, 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
AGSC 113, Cultivated Plants	.5
IRR 112, Irrigation Principles	.5
TURF 101, Turf Equipment Operations I	.3
Total Credits	**.13**
Quarter Two	**Credits**
AENG 100, Writing in the Workplace (W)	.5
AGSC 140, Agriculture Safety and Pesticides	.5
TURF 197, Project Research	.1
TURF 215, Turf Diseases and Insects	.5
Total Credits	**.16**
Quarter Three	**Credits**
ACOM 102, Communication in the Workplace	.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**

Year Two

Quarter One	Credits
AGSC 120, Agricultural Chemistry	.5
Elective*	.5
TURF 201, Turfgrass Cultural Practices	.6
TURF 297, Special Projects	.2
Total Credits	**.18**
Quarter Two	**Credits**
AGSC 105, Weed Biology and Identification	.5
AGSC 201, Basic Soil Science	.5
IRR110, Irrigation Design and Components	.5
IRR221, Pump Applications	.2
Total Credits	**.17**
Quarter Three	**Credits**
AGBS 211, Small Business Management	.5
AGSC 202, Soils Fertility and Management	.5
IRR 225, Irrigation Controls	.5
Total Credits	**.15**
Year Two Total	**50**
Grand Total	**92**

PLAN CODE: TTMTMAPT (Previously EPC: 160)

REQUIRED: FYE (3 credits) required to be taken as well.

** Can be substituted with a Business Core Elective: AGBS 201, AGBS 221, AGBS 210, AGBS 211, AGBS 102, AGBS 108, CS 110, BUS& 101, BUS 194.*

*** Approved electives can be any AGBS, AGSC, IRR, GIS, 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& 146, MATH& 141

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

(R) - BUS 157, PSYC& 100

Watershed Management

AAS

Degree available at/via:[Walla Walla]

Year One

Quarter One	Credits
ENGL& 101, English Composition (W)	.5
HUM& 117, Humanities II	.5
MATH& 146, Introduction to Statistics (M)	.5
Total Credits	**.15**
Quarter Two	**Credits**
AGSC 201, Basic Soil Science	.5
HIST& 127, World Civilization II	.5
MATH& 142, Pre-Calculus II	.5
Total Credits	**.15**
Quarter Three	**Credits**
CMST& 210, Interpersonal Communications (O, R)	.5
HIST& 128, World Civilization III	.5
ENVS& 101, Introduction to Environmental Science	.5
Total Credits	**.15**
Year One Total	**45**

Year Two

Quarter One	Credits
AGBS 222, Agriculture and Water Policy	.5
CHEM& 121 or 161, Intro to Chemistry or General Chemistry I	.5
GIS 150, Introduction to GIS	.3
AHSE 022, AHA Heartsaver First Aid/CPR	.0.4
Elective*	.5
Total Credits	**18.4**
Quarter Two	**Credits**
AGBS 201, Microeconomics	.5
CHEM& 122 or 162, Intro to Organic Chemistry or General Chemistry II	.5
GIS 151, Advanced GIS	.3
Elective*	.3
Total Credits	**.16**
Quarter Three	**Credits**
ART& 100, Art Appreciation	.5
CHEM& 123 or 166, Intro to Biochemistry or General Chemistry III	.5
BIOL 130, General Ecology	.5
Total Credits	**.15**
Year Two Total	**49.4**
Grand Total	**94.4**

PLAN CODE: NRCWMAPT (Previously EPC: 165)

REQUIRED: FYE (3 credits) required to be taken as well.

** Approved AGRI/AGPR/BIOL/GIS/CAD/EST/IRR Elective*

Welding Technology

CERT, AAS

http://wwcc.edu/welding

Program available at/via:[Walla Walla] [Clarkston] [Corrections Education – CRCC & WSP]

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

Specialized Metals Welding

Certificate available at/via: [Clarkston]

Year One

Quarter One	Credits
AMATH 105, Introduction to Quantitative Problem Solving for the Trades (M)	5
WELD 101 SMAW Lecture	3
WELD 111 SMAW Lab	1-9
Total Credits	**9-18**

Quarter Two	Credits
WELD 204 Stainless GTAW/GMAW Lecture	3
WELD 214 Stainless GTAW Lab	1-4
WELD 224 Stainless GMAW Lab	1-5
BLPT 112, Blueprint Reading	2
ACOM 102, Communication in the Workplace (O)	5
Total Credits	**12-21**

Quarter Three	Credits
WELD 205 Aluminum GTAW/GMAW Lecture	3
WELD 215 Aluminum GTAW Lab	1-4
WELD 225 Aluminum GMAW Lab	1-5
AENG 100 Writing in the workplace	5
Total Credits	**10-19**
Grand Total Credits	**53**

PLAN CODE: WETALC45 (Previously EPC: 814F)

REQUIRED: FYE (3 credits) required to be taken as well. (W) - AENG 100

(M) - AMATH 105

(O) - ACOM 102

Welding Technology Certificate

Certificate available at/via:[Walla Walla][Clarkston] [Corrections Education – CRCC & WSP]

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
BLPT 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**

PLAN CODE: WETWTC45 (Previously EPC: 814C)

REQUIRED: FYE (3 credits) required to be taken as well.

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] [Clarkston] [Corrections Education – CRCC & WSP]

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
BLPT 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**

PLAN CODE: WETWTAPT (Previously EPC: 814)

REQUIRED: FYE (3 credits) required to be taken as well.

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

Program available at/via:[Walla Walla]

Department Overview: 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. Transfer options also exist in Environmental & Ecosystem Science, Forest Ecology and Management, 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: This degree provides the science and general education courses needed for students who are planning a future transfer to a Bachelor of Science in Wildlife Ecology and Conservation Sciences at Washington State University (WSU). Students who complete the AAS-T requirements will begin with junior standing at WSU.

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. Transfer options also exist in Environmental & Ecosystem Science, Forest Ecology and Management, and Earth Sciences.

Entrance Requirements:

Students can start fall, winter, spring, or summer quarter. WWCC has an open admissions process. It's free to apply and everyone who applies is accepted. Applications are accepted year-round! Apply online.

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 Manavgement - Wildlife Ecology & Conservation Science

Degree available at/via:[Walla Walla]

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& 131, Introduction to Organic/Biochemistry **	5
MATH& 142, Precalculus II	5
Total Credits	**15**
Quarter Three	**Credits**
AGBS 201, Microeconomics in Agriculture	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
GIS 150, Introduction to GIS	3
Total Credits	**13**
Quarter Two	**Credits**
BIOL&213, Majors Plant	5
GIS 151, Advanced GIS	3
HIST&127, World Civilization II	5
MATH&146, Introduction to Statistics	5
Total Credits	**18**
Quarter ThreeCredits	
AGBS 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**

PLAN CODE: NRCWWAAS (Previously EPC: 165X)
REQUIRED: FYE (3 credits) required to be taken as well.

Course Descriptions

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: Grade of C or higher in 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: Grade of C or higher in 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.

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: Grade of C or higher in ACCT& 201. Formerly ACCT 202.

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: Grade of C or higher in ACCT& 202. Formerly ACCT 203.

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

AGSY 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. Formerly SAS 310.

AGSY 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. Formerly SAS 330.

AGSY 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. Formerly SAS 340.

AGSY 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. Formerly SAS 360.

AGSY 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. Formerly SAS 420.

AGSY 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. Formerly SAS 440.

AGSY 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. Formerly SAS 450.

AGSY 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.

AGSY 494 Capstone Project Design 1 - 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. Formerly SAS 494.

AGSY 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 AGSY 494. Weekly peer-review discussions will be conducted, and final project will be presented orally, written, and visually in a senior project symposium. Prerequisite: Grade of C or higher in AGSY 494 (5 credits). Instructor Permission Required. Formerly SAS 495.

Agriculture - Ag-Business

AGBS 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. Formerly AGRI 102.

AGBS 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. Formerly AGRI 103.

AGBS 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 AGBS 108 and CS 110. Formerly AGRI 108.

AGBS 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. Formerly AGRI 191.

AGBS 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. Formerly AGRI 192.

AGBS 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. Student may not earn credit for both AGBS 201 and ECON& 201. Formerly AGRI 201. [SS].

AGBS 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 AGBS 210. Formerly AGRI 210.

AGBS 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. Formerly AGRI 211.

AGBS 220 Introduction to Finance 5 Credits
Tools and concepts useful to making financial management decisions in business firms will be discussed. Formerly AGRI 220.

AGBS 221 Intro. to Food and Agricultural Markets 5 Credits
Overview of the marketing system for agricultural commodities. Recommended: One quarter economics. Formerly AGRI 221.

AGBS 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 AGBS 222 and POLS 222. [SS]. Formerly AGRI 222.

Agriculture - Animal Science

ANSC 110 Livestock Production **5 Credits**
Introduction to the livestock industry and its importance to the U.S. economy. Formerly AGPR 110.

ANSC 112 Feeds and Feeding **5 Credits**
Addresses common feeding practices and nutrient characteristics of animal feeds. Formerly AGPR 112.

ANSC 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. Formerly AGPR 115.

ANSC 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. Formerly AGPR 116.

ANSC 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. Formerly AGPR 224.

ANSC 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. Formerly AGPR 274.

Agriculture - Plant and Soil Science

AGSC 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. Formerly AGPR 100.

AGSC 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 AGSC 101 and ENVS& 101. Formerly AGPR 101.

AGSC 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. Formerly AGPR 105.

AGSC 113 Cultivated Plants **5 Credits**
Provides a practical understanding of plant anatomy, morphology, and growth of agriculture crops. Formerly AGPR 113.

AGSC 114 Plant Physiology **5 Credits**
Provides a practical understanding of plant structure, function and physiological processes involved in growth and development. Formerly AGPR 114.

AGSC 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. Formerly AGPR 120.

AGSC 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). Formerly AGPR 121.

AGSC 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 Prerequisite: ENGL 087 [NS]. Formerly AGPR 130.

AGSC 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. Formerly AGPR 135.

AGSC 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. Formerly AGPR 139.

AGSC 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. Formerly AGPR 140.

AGSC 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. Formerly AGPR 170.

AGSC 197 Project Design **1 Credit**
Students will plan and propose a workplace or research project and explore workplace leadership skills. Formerly AGPR 197.

AGSC 199 Special Topics **1 Credit**
Gain exposure to and critically analyze agricultural enterprises. Prerequisite: Instructor permission. Formerly AGPR 199.

AGSC 201 Basic Soil Science [NS] **5 Credits**
Provides an understanding of soil structure and composition as related to temperature, water, and other environmental controls. Lab work required. [NS]. Formerly AGPR 201.

AGSC 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. Prerequisite: Grade of C or higher in AGSC 201 or instructor permission. Formerly AGPR 202.

AGSC 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. Formerly AGPR 215.

AGSC 230 Plant Diseases and Insects **5 Credits**
Introduction to the identification, life cycles, and control of insects and diseases common to crops in Washington. Formerly AGRI 215 and AGPR 230.

AGSC 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: Grade of C or higher in CS 121 or instructor permission. Formerly AGPR 254.

AGSC 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. Formerly AGPR 292.

AGSC 297 Special Project **1 Credit**
Students will prepare and defend a presentation on a previously approved workplace or research project. Prerequisite: Grade of C or higher in AGSC 197 or IRR 197 or TURF 197 Formerly AGPR 297.

Allied Health & Safety Education

AHSE 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. Formerly IFA 022.

AHSE 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. Formerly CPR 045.

AHSE 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. Formerly CPR 051.

AHSE 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. Formerly CPR 052.

AHSE 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. Formerly CPR 055.

AHSE 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. Formerly HO 101.

AHSE 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. Formerly HO 104

AHSE 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, 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. Formerly HO 113.

AHSE 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. Formerly HO 142.

AHSE 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: AHSE 142. Formerly HO 142.

AHSE 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: AHSE 142 and AHSE 143. Formerly HO 144.

AHSE 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: AHSE 142, AHSE 143 and AHSE 144. Formerly HO 145.

AHSE 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: AHSE 142, AHSE 143, AHSE 144 and AHSE 145. Formerly HO 146.

AHSE 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: AHSE 142-AHSE 146. Formerly HO 147.

AHSE 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: AHSE 142-AHSE 147. Formerly HO 148.

AHSE 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. Formerly HO 172.

AHSE 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. Formerly HO 191.

AHSE 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. Formerly HO 199.

AHSE 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: Grade of C or higher in BIOL& 241 and BIOL& 242 or instructor permission. Formerly HO 266.

AHSE 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. Formerly HO 279.

AHSE 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. Formerly HO 297.

EMT 130 Emergency Medical Technician (EMT) **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. Recommended: placement into READ 088. Prerequisite: Acceptance to the EMT Program. Formerly HO 130.

PHLB 106 Phlebotomy Technician **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. Prerequisite: Acceptance into the Phlebotomy program. Formerly HO 106.

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.

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 everyday 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.

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.

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.

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.

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 Introduction to 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 Introduction to 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 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: Grade of C or higher in ART 101.

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: Grade of C or higher in 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 techniques 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: Grade of C or higher in 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.

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. Corequisite: 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. Corequisite: 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. Corequisite: 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. Corequisite: AMM 110. Prerequisite: Grade of C or higher in AMM 111.

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. Corequisite: AMM 201. Prerequisite: Grade of C or higher in 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. Corequisite: AMM 200. Prerequisite: Grade of C or higher in 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. corequisite: AMM 211. Prerequisite: AMM 201. Prerequisite: Grade of C or higher in 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. Corequisite: AMM 210. Prerequisite: Grade of C or higher in 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. Corequiste: AMM 221; Prerequisite: Grade of C or higher in 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. Corequiste: AMM 220; Prerequisite: Grade of C or higher in 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. Corequiste: AMM 231; Prerequisite: Grade of C or higher in AMM 220.

AMM 231 Automatic Transmission Lab 5 Credits
This course covers disassembly and rebuilding process of automatic transmissions/transaxles. Corequiste: AMM 230; Prerequisite: Grade of C or higher in 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. Corequiste: AMM 241; Prerequisite: Grade of C or higher in 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. Corequiste: AMM 241; Prerequisite: Grade of C or higher in 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. Corequiste: AMM 251; Prerequisite: Grade of C or higher in 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. Corequiste: AMM 250; Prerequisite: Grade of C or higher in 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. Corequisites AMM 261; Prerequisite: Grade of C or higher in 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. Corequiste: AMM 260; Prerequisite: Grade of C or higher in 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. Corequiste: AMM 271; Prerequisite: Grade of C or higher in 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. Corequiste: AMM 270; Prerequisite: Grade of C or higher in 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. Prerequisite: ENGL 087 or AENG 100 with a grade of C or higher or appropriate placement; or permission of the Science Division Chair or designee. Recommended: READ 088. Formerly BIO 110.

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. Prerequisite: ENGL 087 or AENG 100 with a grade of C or higher or appropriate placement; or permission of the Science Division Chair or designee. Recommended: READ 088. Formerly BIO 130.

BIOL& 160 General Biology w/Lab [NS] 5 Credits
This is an intensive course designed as a prerequisite for BIOL& 241 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. Prerequisite: ENGL 087 or AENG 100 with a grade of C or higher or appropriate placement; or permission of the Science Division Chair or designee. Formerly BIO 151. Recommended: READ 088.

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: ENGL 087 or AENG 100 with a grade of C or higher or appropriate placement; or permission of the Science Division Chair or designee. Recommended: READ 088. 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: ENGL 087 or AENG 100 with a grade of C or higher or appropriate placement; or permission of the Science Division Chair or designee. Recommended: READ 088. [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: ENGL 087 or AENG 100 with a grade of C or higher or appropriate placement; or permission of the Science Division Chair or designee. Recommended: READ 088. 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 of 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: ENGL 087 or AENG 100 with a grade of C or higher or appropriate placement; or permission of the Science Division Chair or designee. Recommended: READ 088.

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. Prerequisite: ENGL 087 or AENG 100 with a grade of C or higher or appropriate placement; or permission of the Science Division Chair or designee. Recommended: READ 088.

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: CHEM& 110 or high school chemistry (one-year) with a grade of C or higher; ENGL 087 or AENG 100 with a grade of C or higher or

appropriate placement; or permission of the Science division Chair or designee. Recommended: READ 088.

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. Prerequisite: BIOL& 211 with a grade of C or higher. Formerly BIO 153, General Zoology I.

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. Prerequisite: BIOL& 211 with a grade of C or higher. Formerly BIO 152, General Botany.

BIOL& 241 Human Anatomy & Physiology I [NS] 5 Credits
This course is the first of a two-quarter sequence that 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) lab science requirements. Topics include introduction to the human body, histology, the skeletal, muscular, nervous, and the digestive systems. Laboratory work may include mammalian dissections, online simulations, model study, and microscopy. Prerequisite: Grade of C or higher in BIOL& 160 or BIOL& 211.

BIOL& 242 Human Anatomy & Physiology II [NS] 5 Credits
This course is the second of a two-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. Topics include the following systems: endocrine, reproductive, cardiovascular, respiratory, urinary, and immune. Laboratory work may include mammalian dissections, online simulations, study of models, and microscopy. Pre-requisite: Grade of C or higher in BIOL& 241; or grade of C or higher in BIOL& 251 with permission of the Science Division Chair or designee.

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. Prerequisite: Grade of C or higher in BIOL& 160 or BIOL& 211; or permission of the Science Division Chair or designee. Formerly BIO 230.

BIOL 267 Pathophysiology [NS] 5 Credits
This course focuses on the changes in cellular and systemic physiology that occur in prevalent or important medical conditions. The physiological basis of disease associated with the major organ systems will be investigated from the cellular to organismal level. In each case, the effect upon whole body homeostasis will be explored. This course will build on prior knowledge of anatomy and physiology as we explore body functions in altered health conditions. Prerequisite: Grade of C or higher in BIOL& 252 or BIOL& 242; or concurrent enrollment in BIOL& 242; or permission of Science Division Chair or designee.

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

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.

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 AGBS 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. Prerequisite: Grade of C or higher in OT 125 or BUS 125. Formerly OT 126.

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. Prerequisite: Grade of C or higher in ENGL& 101 or AENG 100.

BUS 151 Advanced Microsoft Excel 5 Credits
Develop advanced business-related spreadsheet skills, including the ability to prepare, format, maintain and enhance an Excel worksheet for common business needs. Integrate formulas, functions and pivot tables, manage multiple worksheets and workbooks, utilize filtering, conditional formatting, sorting and other advanced features used to understand how to make important business decisions. Prerequisite: Grade of C or higher in CS 100 or CS 110. Recommended prerequisite: BUS 217.

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 of 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. Student may not earn credit for both AGBS 211 (previously AGRI 211) and BUS 194.

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 and BA 252.

BUS 205 Consumer Behavior 5 Credits
Students will learn how to target different population segments for marketing efforts by using research and analysis. They will use data to create customer profiles and value propositions. Simulations will stimulate creativity and adaptation following market disruptions.

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
This course aims to build the essential content marketing skills that will enable students to write clear, concise, and compelling messages for a breadth of marketing and advertising collateral. Learn techniques to develop both short-form and long-form copy for traditional and digital media channels, such as direct mail pieces, brochures, sales letters, elevator pitches, press releases, emails, social media posts, blogs, and websites. In addition to learning how to effectively convey a brand's value proposition through words, students will apply these same techniques toward writing a resume that showcases their own skills sets. Recommended prerequisite: AENG 100 and/or ENGL 097.

BUS 215 Digital Marketing **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 digital marketing. Students will have an opportunity to develop and present a comprehensive digital marketing plan for a business. Prerequisite: Grade C or higher in BUS 210. Formerly EMRK 215.

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 AGBS 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: Grade of C or higher in 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. Prerequisite: co-enrolled in CS 110, grade of C or higher in CS 110, or instructor permission. Formerly OT 231.

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. Prerequisite: Grade of C or higher in BUS 280. Recommended: READ 088 or higher. Formerly OT 234.

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: Grade of C or higher in BUS 234.

BUS 240 Digital Marketing Analytics **5 Credits**
Using industry standard platforms, students will learn how to collect and analyze marketing data to improve return-on-investment and conversion rates. Students will develop decision-making skills by practicing A/B testing using key performance indicators, and persuasion skills through the creation of marketing materials. Prerequisite: grade of C or higher in BUS 215.

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 261 User Interface Design **5 Credits**
The Interface Design course is an introduction to Web page design and development, using a software platform. 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 develop and revise various user interfaces as feedback informs design decisions. Formerly EMRK 221.

BUS 262 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 BUS 262 and CS 252. Formerly EMRK 252.

BUS 263 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 EMRK 223.

BUS 265 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. Formerly EMRK 255.

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. ENGL& 101 or AENG 100.

BUS 288 Marketing Project **5 Credits**
Provides the student an opportunity to synthesize the knowledge gained in E-Marketing, Design, and Business Marketing 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 the program. Formerly EMRK 287

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. Corequisite: 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. Corequiste: 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 today's 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. Prerequisite Grade C or higher in BUS 210 Principles of Marketing. Recommended prerequisite: BUS 215. Instructor Permission Required.

BUS 350 Entrepreneurial Finance 5 Credits
This course will focus on clearly instructing students on the process of formulating, planning, and implementing a new venture; taking students through the Entrepreneurial Perspective, from an idea to an opportunity, from an opportunity to the business plan and from the business plan to funding the new venture. Students will understand the relationship between risk and return, cost of capital, start-up structures and governance. Students will understand and evaluate the legal forms of business ownership. The course will also cover how to fund a start-up through informal investors, corporate investment, and private investment. Recommended prerequisite: ACCT& 201 or AGBS 220. 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. This curriculum is based upon the ten knowledge areas contained in the Project Management Body of Knowledge, with special emphasis on the knowledge areas of scope, schedule, and cost control. Students will utilize a variety of project management tools to initiate, plan, monitor and close out a project while working in a virtual team environment to gain experience working with a global marketplace. Recommended prerequisite: ENGL& 235. 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 focuses 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 440 Public Relations 5 Credits
This course focuses on developing the highly-attuned sense of awareness, informational and relational readiness, and communication response skills needed to successfully navigate the public relations field. Students will learn to identify and engage various "publics" comprised of a business' internal and external stakeholders, including consumers, competitors, legislators, employees, and the media. While theories and case studies will establish a foundation of critical thinking, students will also gain hands-on experience writing public relations materials ranging from press releases to campaign narratives to crisis prevention and response plans. Prerequisite: grade of C or higher in BUS 340. 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: Grade of C or higher in ACCT& 201. Instructor Permission Required.

BUS 460 Introduction to Business Analytics 5 Credits
The digital age of business requires an understanding of data. This class will give students experience with the right tools to stay relevant. It also offers the theoretical understanding of data necessary for students to adapt to the many changes in

business while also equipping students with the skills needed to perform vital daily functions. By the end of the course, students should be able to help a company make data-driven business decisions. Prerequisite: grade of C or higher in BUS 151. Instructor Permission Required.

BUS 493 Applied Management Capstone Project: Part 1 **2 Credits**

The series of Capstone Courses are designed to integrate all other knowledge learned in the BAS Applied Management & Entrepreneurship program. The courses focus on the process of creating a business plan for an entrepreneurial venture and provide students with the tools and insights to start a business. In this course, students will explore all aspects of a business idea to help reduce the uncertainty of starting a business. At the end of the quarter, students will have developed a feasibility report. Instructor Permission Required.

BUS 494 Applied Management Capstone Project: Part 2 **2 Credits**

The series of Capstone Courses are designed to integrate all other knowledge learned in the BAS Applied Management & Entrepreneurship program. The courses focus on the process of creating a business plan for an entrepreneurial venture and provide students with the tools and insights to start a business. In this course, students will continue work on a business plan. At the end of the quarter, students will have developed the Market Analysis, Marketing and Sales, Funding Requests and Financial Projections sections of a business plan. Recommended Prerequisite BUS 493. Instructor Permission Required.

BUS 495 Applied Management Capstone Project: Part 3 **2 Credits**

The series of Capstone Courses are designed to integrate all other knowledge learned in the BAS Applied Management & Entrepreneurship program. The courses focus on the process of creating a business plan for an entrepreneurial venture and provide students with the tools and insights to start a business. In this course, students will complete work on the final parts of a business plan including the executive summary and company descriptions. Students will present the final plan to a panel of experts. Instructor permission required.

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 - 11 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. Standards for this course are based on the English Language Proficiency Standards and the College and Career Readiness Standards produced by the US Department of Education Office of Career and Technical Adult Education. Prerequisite: Placement by CASAS ESL levels 1 & 2 or instructor permission.

ELA 010 ELA A (ESL Level 3) **1 - 11 Credits**

This is an integrated beginning course for English Language Acquisitions 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. The English Language Proficiency standards as well as the Career and College Readiness Standards were used in the course design based on level 3 indicators. Prerequisite: Placement by CASAS ESL level 3 or instructor permission.

ELA 014 ELA Communications **1 - 11 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 - 11 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 **5 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 **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 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 **2.5 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. CASAS post-test will be given after 45 hours of instruction. Prerequisite: CASAS score of 211-235.

ELA 042 ELA Integrated Digital English Acceleration **1 - 11 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 - 11 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 - 11 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 - 11 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 2.5 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 093 ELA Academic Orientation/Support 1 Credit
This course includes orientation, assessment, placement, and program options for students entering the Transitional Studies/ Open Doors program. Students will learn about the resources and services available to them across campus. Students will explore their abilities, characteristics, and readiness to learn; identify personal, educational, and employment background and interest; student will identify skill gaps, learning differences and other barriers to learning and learn and identify strategies, recommendations, and interventions for success; students will identify short and long term goals and the skills needed to reach those goals as they create a personalized educational plan to achieve those goals. All new OD students to the program will be enrolled in this class their first quarter of attendance. OD students who are placed on academic warning, probation, or suspension will be placed into this class by advisor/navigator/ administrator recommendation.

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 1 - 11 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 1 - 11 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 1 - 11 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 013 AEP GED® Skill Building Math 1 - 11 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 1 - 11 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 1 - 11 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 1 - 11 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 023 AEP GED® Mathematics 1 - 11 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 - 11 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 - 11 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 1 - 11 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 1 - 11 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 1 - 11 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 1 - 11 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 1 - 11 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 **1 - 11 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 **1 - 11 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 **1 - 11 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. 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 to the College following the Alternative Education Program (AEP) eligibility or the Underage Admissions Policy, which is available in the High School Programs office. Formerly ABE 001.

CAP 002 CAP Level B **1 - 11 Credit**
This course provides instruction in reading, writing, mathematics, employability, and digital literacy skills for individuals with a goal to improve foundational skills. 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. Formerly ABE 002.

CAP 003 CAP Level C **1 - 11 Credit**
This course provides instruction in reading, writing, mathematics, employability, and digital literacy skills for individuals with a goal to improve foundational skills. 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. Formerly ABE 003.

CAP 004 CAP Level D **1 - 11 Credit**
This course provides instruction in reading, writing, mathematics, employability, and digital literacy skills for individuals with a goal to improve foundational skills. 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. Formerly ABE 004.

CAP 005 Educational Interview **1 Credit**
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 HS 21+ 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 **5 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. 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. Formerly ABE 013.

CAP 014 Applied Math in Context **5 Credits**
CAP 014 is an exploration of mathematics intended to increase exposure, skills, confidence, and motivation for further mathematical learning. Real numbers, percents, patterns, data, measurement, geometry, algebraic concepts, and skills will be studied within meaningful contexts that derive from the world around us. Prerequisite: Grade of C or higher in CAP 013 or HSC 013, appropriate placement score (CASAS) or permission of the Transitional Studies Department. This course will satisfy the Algebra 1 requirement for HS+ credit. Course is cross listed with MATH 014 and HSC 014. Credit can only be earned for one of these courses: CAP 014, HSC 014 and MATH 014.

CAP 015 High School Geometry **5 Credits**
High School Geometry exposes students to plane Euclidean geometry by using the concepts of congruence, similarity, and symmetry. Students will develop definitions and use technology to help with transformations and dilations to prove congruence and similarities of geometric shapes. Students build on prior knowledge of right triangles and be introduced to Trigonometry. Prerequisite: Grade of C or higher in CAP 013 or HSC 013, appropriate placement score (CASAS) or permission of the Transitional Studies Department. This course will satisfy the Geometry requirement for HS+ credit. Course is cross listed with HSC 015. Credit can only be earned for one of these courses: CAP 015 and HSC 015.

CAP 017 Integrated Algebra and Geometry **5 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. 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. Formerly ABE 017.

CAP 021 Introductory Algebra for Precalculus **5 Credits**
CAP 021 is an introductory algebra course intended to prepare students for the Corequiste: Precalculus I course pair. CAP 021 focuses on developing and applying numeric, algebraic, graphic, and metacognitive skills necessary for success in MATH 041, Corequiste: Algebra for MATH& 141. Prerequisite: Grade of C or higher in MATH 071, MATH 014, CAP 014, HSC 014, or AMATH 106, appropriate placement (CASAS), or permission of the Transitional Studies Department. This course will satisfy the Algebra 2 requirement for HS+ credit. Course is cross listed with MATH 021 and HSC 021. Credit can only be earned for one of these courses: CAP014, HSC 014 and MATH 014.

CAP 023 Health and Nutrition **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. 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. 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. Formerly ABE 023.

CAP 024 General Science **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. 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. 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. Formerly ABE 024.

CAP 025 Language Arts **5 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. 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. Formerly ABE 025.

CAP 026 Contemporary World Problems **2.5 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. 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. Formerly ABE 026.

CAP 031 United States History and Government **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 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. 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. Formerly ABE 031.

CAP 033 Washington State History **2.5 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. 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. Formerly ABE 033.

CAP 034 Art **5 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. 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. Formerly ABE 029.

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 Ed. 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. 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. Formerly ABE 066.

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. 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. Formerly ABE 067.

CAP 066 CAP Basic Communication and 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) eligibility or Underage Admissions Policy, which is available in the High School Programs office. Prerequisite: CASAS score of 201 or above. Formerly ABE 066.

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 – 2.5 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 093 CAP Academic Orientation/Support **1 Credit**

This course includes orientation, assessment, placement, and program options for students entering the Transitional Studies/ Open Doors program. Students will learn about the resources and services available to them across campus. Students will explore their abilities, characteristics, and readiness to learn; identify personal, educational, and employment background and interest; student will identify skill gaps, learning differences and other barriers to learning and learn and identify strategies, recommendations, and interventions for success; students will

identify short and long term goals and the skills needed to reach those goals as they create a personalized educational plan to achieve those goals. All new OD students to the program will be enrolled in this class their first quarter of attendance. OD students who are placed on academic warning, probation, or suspension will be placed into this class by advisor/navigator/administrator recommendation.

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 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. Prerequisites: MATH 014 or AMATH 106 with a grade of C or higher or appropriate placement; ENGL 087 or AENG 100 with a grade of C or higher or appropriate placement; or permission of the Science Division Chair or designee. Recommended: READ 088. Credit cannot be received for both CHEM& 110 and CHEM& 105. Formerly CHEM 101.

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. Prerequisite: MATH 046 with a P or appropriate placement; ENGL 087 or AENG 100 with a grade of C or higher or appropriate placement; or permission of the Science Division Chair or designee. Recommended: READ 088. Formerly CHEM 107.

CHEM& 131 Introduction to Organic/ Biochemistry [NS] **5 Credits**
This lecture / lab course is the second of a two-quarter sequence that examines organic and biological chemistry, with emphasis on functional groups and reactivity in living systems. This course is intended for students seeking a 2-year degree in an Allied Health field. Prerequisite: CHEM& 121 or CHEM& 161 with a grade of C or higher; or permission of the Science Division Chair or designee.

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. Prerequisite: MATH 021 with a grade of C or higher or appropriate placement; ENGL 087 or AENG 100 with a grade of C or higher or appropriate placement; or permission of the Science Division Chair or designee. Recommended: READ 088.

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. Prerequisites: CHEM& 139 or high school chemistry (one-year) with a grade of C or concurrent enrollment in CHEM& 139; MATH 021 with a grade of C or higher or appropriate placement; ENGL 087 or AENG 100 with a grade of C or higher or appropriate placement; or permission of the Science Division Chair or designee. Recommended: READ 088. Formerly CHEM 121.

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 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. Prerequisite: CHEM&161 with a grade of C or higher. This course satisfies the chemistry requirement for the nursing degree. Formerly CHEM 122.

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. Prerequisite: CHEM&162 with a grade of C or higher. This course satisfies the chemistry requirement for the nursing degree. Formerly CHEM 123.

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

TRIO 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. Formerly CE 102.

TRIO 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. Formerly CE 105.

TRIO 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. Corequisite: Enrollment in at least one pre-college college-level course. Formerly PSY 100. Formerly CE 110.

TRIO 114 Long-term Financial Planning and Continuing Education **1 Credit**
Course will provide students the tools required for successful long-term personal financial planning. Topics covered include capital asset purchasing, retirement, continuing education planning, and factors the influence the credit rating. Prerequisite: Must be fully enrolled in TRIO program and instructor permission. Formerly CE 114.

TRIO 115 Personal and Family Budgeting **1 Credit**
Course provides the student with tools that will improve personal and family budgeting. Topics include short-term financial planning through the use of budgets, income/expense analysis, allocation of funds, cost-cutting strategies, and credit/money management. Prerequisite: Fully enrolled in TRIO program and instructor permission. Formerly CE 115.

TRIO 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. Formerly CE 120.

TRIO 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. Formerly CE 199.

Collision Repair Technology

COLL 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. Formerly ABT 161.

COLL 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. Formerly ABT 162.

COLL 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. Formerly ABT 163.

COLL 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. Formerly ABT 191.

COLL 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. Corequisite: COLL 191. Formerly ABT 192.

COLL 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. Formerly ABT 199.

COLL 264 Unibody Rebuilding **21 Credits**
Students will perform unibody and frame repair, the replacement of structural components, and body panel alignment. Formerly ABT 264.

COLL 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. Formerly ABT 265.

COLL 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. Formerly ABT 266.

COLL 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. Formerly ABT 267.

COLL 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. Formerly ABT 297.

COLL 299 Leadership **1 Credit**
This course encourages students to develop awareness of their leadership potential and abilities through small group discussions and assumption of leadership roles and responsibilities. Students will acquire information, experience diverse points of view, construct knowledge and practice a variety of interpersonal and social skills, such as communicating, goal setting, decision making, team building, and managing stress. Formerly ABT 299.

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.

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 AGBS 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. Recommended: Grade of C or higher in CS 115.

CS& 131 Computer Science I C++ **5 Credits**
Introduction to computer science principles and concepts including algorithm, data structures, and C++ programming. Recommended: MATH 041/MATH& 141 and CS 121. Recommended: CS 121. Formerly CS 131.

CS 133 Computer Science I C# **5 Credits**
Introduction to computer science principles and concepts including algorithm, data structures, and C# programming. 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. Recommended: CS 121. Formerly CS 141.

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 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. Equivalent course ART 105; student may not earn credit for both CS 220 and ART 105. Recommended: BUS 264.

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**
Students will create an application using an application project-based approach, utilizing and implementing system design, programming and database skills taught in prior classes. A key class for this project is CS233 ASP.NET as it will assist with the skills needed for the project. Students are also required to provide a project data model and schedule using the development life cycle. The project must be completed by the end of the spring quarter in the CS 232 Capstone Application Development II class. Recommended course sequence: CS 233, CS 231, CS 232 or instructor permission to register for CS 231.

CS 232 Capstone Application Development II **5 Credits**
In this course, students will complete a software application started in CS 231. Students will develop and present a final project using software systems analysis, create an end product, with documented output, and system training or training materials. The class will research and debate relevant, related topics and their uses in different applications and computing issues. Prerequisite: Grade of C or higher in CS 231. Recommended course sequence: CS 233, CS 231, CS 232.

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 234 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. Formerly EMRK 230.

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 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: Grade of C or higher in CS 140. 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 247 User Interface - Front End Development **5 Credits**
This course is designed to give students essential skills for building front end User Interfaces (UI) for Web and mobile applications with current technology. Topics include designing, coding, and testing UI applications.

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 Hypertext Markup Language (HTML) & Cascading Style Sheets (CSS) 5 Credits
The HTML/CSS course teaches basic Web technologies: Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS.) Students will practice building pages, writing code, placing objects, developing responsive layouts, validating code, and troubleshooting problems.

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 130 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. Recommended: Grade of C or higher in CS 115.

CS 262 Responsive Web Design & Technology 5 Credits
Responsive Web Design is an intermediate-level web development course focusing on the design of interfaces that respond intelligently to a wide variety of device limitations. Students will learn the coding methods and technologies required to create adaptable web site designs and practice building fluid interfaces that effectively convey a given message regardless of a user device size and type. Prerequisites: Grade of C or higher in CS 220, BUS 261, CS 251, CS 140 or instructor permission.

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 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: Grade of C or higher in CS 266.

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. Prerequisite: Grade of C or higher in 265 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 281 Windows Server Networking 5 Credits
This class prepares a student to be able to perform real-world networking tasks using the Windows Server operating system. These tasks are performed by IT professionals in a variety of job roles, including network systems administrator, systems engineer, senior security specialist, and IT systems administrator.

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 11 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: Grade of C or higher in COSM 111.

BARB 121 Principles and Procedures of Barbering II 11 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: Grade of C or higher in 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: Grade of C or higher in 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: Grade of C or higher in 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: Grade of C or higher in COSM 121.

BARB 131 Principles and Procedures of Barbering III **11 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: Grade of C or higher in 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: Grade of C or higher in 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: Grade of C or higher in 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: Grade of C or higher in 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: Grade of C or higher in 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: Grade of C or higher in 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: Grade of C or higher in 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: Grade of C or higher in COSM 252.

BARB 270 Practical Application IV **1 - 6 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: grade of C or higher in 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. Recommended: READ 088. Formerly CJ 105.

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.Recommended: READ 088. Formerly CJ 103, Intro to Criminal Law.

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. Recommended: READ 088. Formerly CJ 205.

CJ 302 Criminal Procedure 5 Credits
This course centers on the enforcement and limitations of substantive criminal law through an intensive analysis of law enforcement, criminal investigation, and prosecution as presented in the Fourth, Fifth, Sixth, Eighth, and Fourteenth Amendments of the U.S. Constitution. Laws of search and seizure, self-incrimination, identification procedures, and the right to counsel as defined by the U.S. Supreme Court are examined, highlighting specific areas of distinction between the U.S. Supreme Court and Washington State Law including how amendments, rules, statutes, and case law continue to evolve over time with specific emphasis on issues that arise during criminal investigation and prosecution. This course is for students enrolled in the Bachelor of Applied Science Program. Permission Code from Criminal Justice Lead is required.

CJ 303 Legal Research 5 Credits
This course provides an introduction to legal research and writing with emphasis on the identification and analysis of legal problems utilizing primary and secondary resources. Students are expected to compose a variety of written forms that adhere to the conventions of the legal profession. This course is for students enrolled in the Bachelor of Applied Science Program. Permission Code from Criminal Justice Lead is required.

CJ 304 Race, Ethnicity, and Gender in Criminal Justice 5 Credits
This course explores how racial, ethnic, and gender interplay in the criminal justice system with special focus on how biases and stereotypes stemming from political rhetoric and media influence normative concepts of justice and equity in the criminal justice process. Fundamental consequences of racism, legally sanctioned segregation, discrimination, racial profiling, hate crimes, jury nullification, prosecution, and incarceration are analyzed with detail given to the application of existing law and the need for restructure to necessitate social justice. Implicit bias, racial disparities of arrest rates, conviction, and sentencing are also discussed. This course is for students enrolled in the Bachelor of Applied Science Program. Permission Code from Criminal Justice Lead is required.

CJ 426 Victimology **5 Credits**
This course is an examination of victims in the Criminal Justice system across modern and historical context with focus on interactions, treatment, roles, and the various types of harm victims incur. Victimology theory and research that detail victims' characteristics, victimization rates and patterns in relation to socially distinctive categories are used in order to provide appropriate identification and response. This course is for students enrolled in the Bachelor of Applied Science Program. Permission Code from Criminal Justice Lead is required.

CJ 427 Crisis Response & De-Escalation Tactics **5 Credits**
This course is designed for students to learn and apply practical skills and theoretical concepts about the complexities of de-escalation, conflict resolution, and mental health. Students will be expected to participate in various, practical high-pressure scenarios that span the field of criminal justice, subsequently, incorporating techniques designed to improve social interaction and conflict transformation. This course is for students enrolled in the Bachelor of Applied Science Program. Permission Code from Criminal Justice Lead is required.

CJ 495 Criminal Justice Capstone **1 - 6 Credits**
This course is an opportunity for students to gain an emic perspective of the criminal justice system with a structured, extended, off-campus internship. Students are expected to synthesize acquired knowledge obtained from the BAS Administration in Criminal Justice program and demonstrate critical thinking and decision-making skills. Students are responsible for obtaining an internship position with instructor approval. Taken in the final year. This course is for students enrolled in the Bachelor of Applied Science Program. Permission Code from Criminal Justice Lead is required.

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 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. Knowledge will be gained in the organizational tactics of ordering and receiving product and physical inventory control through to the execution of producing and packaging various food items for retail sales. Emphasis will be placed on product and recipe knowledge and understanding. Students are encouraged to apply the skills and knowledge they have acquired in previous courses and will learn in this and subsequent courses toward standards in present day foodservice industry production. They will practice basic culinary principles plus safety and sanitation procedures.

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 133 Food, Wine and Culture **4 Credits**
Course work explores the relationship that culture has with food and fermented beverages. It examines the questions of what, where and when we eat and drink, in the context of cultural systems which develop these practices. Discussions on sustainability issues, ethics, ecology, farming techniques, organics and the impact they have on our food & beverage choices. We will learn how to understand flavor components of different cultures fermented beverages and how to pair them with food. Students will practice sustainable menu development and create foods to pair with different beverages in class exercises. The class is open to students under the age of 21 and to those who do not consume 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.

CA 195 Special Events **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 243 Restaurant Management **4 Credits**
Students will become familiar with the operational, marketing, and on menu development and service management. Analysis of

menu recommendations, additional information, and managerial aspects of restaurant management with an emphasis on the evolution of food service operations will be discussed as well as an introduction to basic table service. Instructor permission required.

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 canapes, 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 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.

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 **15 Credits**
Opportunity to work in jobs directly related to the diesel mechanics industry. This formal training period is agreed upon by the student, employer, and instructor. 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. Corequisite: 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: Grade of C or higher in 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: Grade of C or higher in 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 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: Grade of C or higher in 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: Grade of C or higher in 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: Grade of C or higher in DRMA 252 or instructor permission. Formerly THEA 253.

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 Learning 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 **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 **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 **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 **2.5 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& 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 AGBS 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 pursuing 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: Grade of C or higher in 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: Grade of C or higher in AMATH 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: Grade of C or higher in EST 100 or EST 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: Grade of C or higher in EST 131 or 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: Grade of C or higher in EST 131 or 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: Grade of C or higher in 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: Grade of C or higher in EST 131 or 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: Grade of C or higher in EST 133. 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: Grade of C or higher in EST 132.

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: Grade of C or higher in EST 133. 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: Grade of C or higher in 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: Grade of C or higher in 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

BLPT 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. Formerly ENT 112 and WLDT 150/151.

CAD 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. Formerly ENT 121.

CAD 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: Grade of C or higher in CAD 121 or instructor permission. Formerly CET 152 and ENT 122.

GIS 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 and ENT 150.

GIS 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. Prerequisite: Grade of C or higher in GIS 150 or instructor permission. Formerly CET 251 and ENT 151.

GIS 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. Prerequisite: Grade of C or higher in GIS 151 or instructor permission. Formerly CET 251 and ENT 152.

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. Prerequisite: Appropriate placement score. Formerly ENG 087.

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.

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.

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.

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.

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. Prerequisite: Grade of C- or higher in ENGL& 097. Formerly ENG 120.

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. Recommended: READ 088 or higher. Formerly LIT 251.

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.

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: Grade of C or higher in EV 107.

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: Grade of C or higher in 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: Grade of C or higher in EV 102.

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: Grade of C or higher in EV 107.

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: Grade of C or higher in 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: Grade of C or higher in EV 107 and 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 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 fermentations, as well as winery hygiene and safety. Prerequisites: Instructor permission. Grade of C or higher in 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: Grade of C or higher in EV 203 or instructor permission.

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: Grade of C or higher in EV 204.

EV 230 Advanced Vineyard Management 3 Credits
Designed for viticulture and enology students who wish to 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: Grade of C or higher in EV 102 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: Grade of C or higher in EV 203 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: ENGL 087 or AENG 100 with a grade of C or higher or appropriate placement; or permission of the Science Division Chair or designee. Recommended: READ 088. Student may not earn credit for both ENVS& 101 and AGBS 101. Formerly ESCI 101, Introduction to Environmental Sciences.

Fire Science

FIRE 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. Formerly FCA 101.

FIRE 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: Acceptance into the Fire Science program. Formerly FCA 120.

FIRE 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. Recommended: MATH 021. Prerequisite: Acceptance into the Fire Science program.

FIRE 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. Prerequisite: Acceptance into the Fire Science program. Formerly FCA 135.

FIRE 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: Prerequisite: Acceptance into the Fire Science program. Formerly FCA 137.

FIRE 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: Acceptance into the Fire Science program. Formerly FCA 152.

FIRE 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. Formerly FCA 155.

FIRE 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: Acceptance into the Fire Science program. Formerly FCA 160.

FIRE 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. Prerequisite: Acceptance into the Fire Science program. Formerly FCA 170.

FIRE 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: Acceptance into the Fire Science program or equivalent training. Formerly FCA 177.

FIRE 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: Acceptance into the Fire Science program. Formerly FCA 190.

FIRE 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: Prerequisite: Acceptance into the Fire Science program. Formerly FCA 299.

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. Corequisite: 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. Corequisite: 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. Corequisite: 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. Corequisite: Enrollment in at least one pre-college or college-level course.

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. Student may not earn credit for both GWST 124 and ART 124. Recommended: READ 088 or higher. Formerly WST 124, Women in Art.

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. Prerequisite: Appropriate placement score or grade of C or higher in ENGL 097. Recommended: READ 088 or higher. Formerly WST 113 and WST 139.

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 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. Recommended: READ 088 or higher. Formerly WST 251.

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& 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 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: MATH 014 or AMATH 106 with a grade of C or higher or appropriate placement; ENGL 087 or AENG 100 with a grade of C or higher or appropriate placement; 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: ENGL 087 or AENG 100 with a grade of C or higher or appropriate placement; or permission of the Science Division Chair or designee. Recommended: READ 088. Formerly GEOL 101, Physical Geology.

High School Completion

HSC 001 Multi-Level English Language Support 1 - 11 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 014 Applied Math in Context 5 Credits
HSC 014 is an exploration of mathematics intended to increase

exposure, skills, confidence, and motivation for further mathematical learning. Real numbers, percents, patterns, data, measurement, geometry, algebraic concepts, and skills will be studied within meaningful contexts that derive from the world around us. Prerequisite: Grade of C or higher in HSC013, appropriate placement score or permission of the Transitional Studies Department. This course will satisfy the Algebra 1 requirement for high school credit. Course is cross listed with MATH 014 and CAP 014. Credit can only be earned for one of these courses: CAP 014, HSC 014 and MATH 014. Students 16-18 years of age must first be admitted to the College following the Open Doors Youth Re-Engagement Program Eligibility or the Underage Admissions Policy, which is available in the Transitional Studies Program office.

HSC 015 High School Geometry 5 Credits
High School Geometry exposes students to plane Euclidean geometry by using the concepts of congruence, similarity, and symmetry. Students will develop definitions and use technology to help with transformations and dilations to prove congruence and similarities of geometric shapes. Students build on prior knowledge of right triangles and be introduced to Trigonometry. Prerequisite: Grade of C or higher in CAP 013 or HSC 013, appropriate placement score (CASAS) or permission of the Transitional Studies Department. This course will satisfy the Geometry requirement for HS+ credit. Course is cross listed with HSC 015. Credit can only be earned for one of these courses: CAP 015 and HSC 015.

HSC 021 Introductory Algebra for Precalculus 5 Credits
HSC 021 is an introductory algebra course intended to prepare students for the Corequiste: Precalculus I course pair. HSC 021 focuses on developing and applying numeric, algebraic, graphic, and metacognitive skills necessary for success in MATH 041, Corequiste: Algebra for MATH& 141. Prerequisite: Grade of C or higher in MATH 071, MATH 014, CAP 014, HSC 014, or AMATH 106, appropriate placement), or permission of the Transitional Studies Department. This course will satisfy the Algebra 2 requirement for High School credit. Course is cross listed with MATH 021 and CAP 021. Credit can only be earned for one of these courses: CAP 014, HSC 014 and MATH 014. Students 16-18 years of age must first be admitted to the College following the Open Doors Youth Re-Engagement Program Eligibility or the Underage Admissions Policy, which is available in the Transitional Studies Program 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 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 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-Engagement Program eligibility or Underage Admissions Policy, which is available in the Transitional Studies/High School Programs office.

HSC 034 Current World Problems 2.5 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 2.5 Credits
A study of basic world geography and contemporary national and international issues

HSC 036 American Government 2.5 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 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 2.5 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 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 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 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 **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 various file management options (i.e., OneDrive, 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 they 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 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 Transitional Studies/High School Programs office. Prerequisite: HSC 055 or instructor permission.

HSC 060 Algebra IA **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **2.5 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 **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 **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 **2.5 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 **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.

HSC 093 HSC Academic Orientation/Support **1 Credit**
This course includes orientation, assessment, placement, and program options for students entering the Transitional Studies/ Open Doors program. Students will learn about the resources and services available to them across campus. Students will explore their abilities, characteristics, and readiness to learn; identify personal, educational, and employment background and interest; student will identify skill gaps, learning differences and other barriers to learning and learn and identify strategies, recommendations, and interventions for success; students will identify short and long term goals and the skills needed to reach those goals as they create a personalized educational plan to achieve those goals. All new OD students to the program will be enrolled in this class their first quarter of attendance. OD students who are placed on academic warning, probation, or suspension will be placed into this class by advisor/navigator/ administrator recommendation.

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& 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& 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 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. Prerequisites: 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 the 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.

Intensive English Language Program

IELP 005 IELP 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. Standards for this course are based on the English Language Proficiency Standards and the College and Career Readiness Standards produced by the US Department of Education Office of Career and Technical Adult Education. Prerequisite: Placement by Accuplacer ESL Levels 0 & 1, or instructor permission.

IELP 010 IELP Level 3 **1 - 12 Credits**
This is an integrated beginning course for international students seeking to learn the English language. 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. The English Language Proficiency standards as well as the Career and College Readiness Standards were used in the course design based on level 3 indicators. Prerequisite: Placement by Accuplacer ESL, CASAS ESL level 3 or instructor permission.

IELP 026 IELP Listening & Speaking Foundations **1 - 5 Credits**
This is a foundational Listening and Speaking course for non-native speakers of English in the Intensive English Language Program (IELP). In this course, students will improve basic listening and speaking skills in English by engaging with classmates, instructor, and course materials. Prerequisite: Accuplacer ESL level 0/1 or instructor permission.

IELP 036 IELP Listening and Speaking: Low-Beginner **1 - 5 Credits**
In this course, students in the Intensive English Language Program (IELP) will improve their ability to communicate in English in personal, social, and academic environments. Upon successful completion of the course, the successful student will achieve speaking, 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: Accuplacer ESL Level 2 placement score or instructor permission.

IELP 046 IELP Listening and Speaking: High-Beginner **1 - 5 Credits**
In this course, students in the Intensive English Language Program (IELP) will improve their ability to communicate in English in personal and social environments and acquire academic skills to advance in college and career pathways. Upon successful completion of the course, the successful student will achieve speaking, listening, and language anchors level B 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: Appropriate placement score or instructor permission.

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 056 IELP Listening and Speaking: Low-Intermediate **1 - 5 Credits**
This is an academic Listening and Speaking course for non-native speakers of English in the Intensive English Language Program (IELP). In this course, students will improve listening and speaking skills by engaging with classmates, instructor, and course materials. Students will practice the language

necessary for gathering information from a variety of sources, analyzing it, connecting it to personal knowledge, and logically supporting their opinions with accurate language. This course includes daily discussions, assignments, quizzes, and tests and is in accordance with College and Career Readiness Standards for Adult Education, Level B. Prerequisite: Appropriate placement score or instructor permission.

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 Listening and Speaking: High-Intermediate 1 - 5 Credits
This is an academic Listening and Speaking course for non-native speakers of English in the Intensive English Language Program (IELP). In this course, students will engage in collaborative discussions with classmates and instructor, listen to lectures, debate topics, and give oral presentations. This course includes daily discussions, assignments, quizzes, and tests and is in accordance with College and Career Readiness Standards for Adult Education, Level C. Prerequisite: Appropriate Accuplacer ESL placement score or instructor permission.

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. Prerequisite: 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. Prerequisite: 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
This is an academic Listening and speaking course for non-native speakers of English in Level 4 of the Intensive English Language program (IELP). In this course, students will improve listening and speaking skills by engaging with classmates, instructor, and course materials. Students will practice the language necessary for gathering information from a variety of sources, analyzing it, connecting it to personal knowledge, and logically supporting their opinions with accurate language. This course includes daily discussions, assignments, quizzes, and test and is in accordance with College and Career Readiness standards for Adult Education Level C.

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 Business Management

IRR 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 and WTM 110.

IRR 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 and WTM 112.

IRR 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. Formerly WTM 190.

IRR 197 Design Project **2 Credits**
Students will complete a pre-approved irrigation design project. Formerly WTM 197.

IRR 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: Grade of C or higher in EST 202, EST 106, IRR 190, and IRR 215, or instructor permission. Corequisites: IRR 221 and/or previous or current work experience in the wastewater industry. Formerly WTM 205.

IRR 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: IRR 112, IRR 221, IRR 205, and/or EST 106. IRR 215 has been designated a mathematics course (M) and will run under the I-BEST model. IRR 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 IRR 215 (M) with a C or higher can use the course to complete their mathematics requirement (as needed). Those that elect to take IRR 215 to fulfill their mathematics requirement will then be able to choose an additional EST, IRR, CS, or AGSC course (or advisor recommended course) to fulfill their degree requirements. Formerly WTM 215.

IRR 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. Prerequisite: Grade of C

or higher or co-enrolled in IRR 112 or instructor permission. Formerly WMGT 220 and WTM 220.

IRR 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: Grade of C or higher in IRR 112 or instructor permission. Formerly WTM 221.

IRR 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: Grade of C or higher in IRR 110 or instructor permission. Formerly WMGT 225 and WTM 225.

IRR 297 Special Projects 4 Credits
Students will complete a pre-approved project or projects to include an irrigation design, materials and price list, and annual irrigation schedule. Formerly WTM 297.

John Deere Technology

JD 101 John Deere Fundamentals and Orientation3 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: Grade of C or higher in 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. Corequisite: 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: Grade of C or higher in 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.

Mathematics

MATH 014 Pre-Algebra in Context 5 Credits
MATH 014 is an exploration of mathematics intended to increase exposure, skills, confidence, and motivation for further mathematical learning. Real numbers, percents, patterns, data, measurement, geometry, algebraic concepts, and computational skills will be studied within meaningful contexts that derive from the world around us. Prerequisite: Appropriate placement or permission of the Mathematics Department.

MATH 021 Introductory Algebra for Precalculus 5 Credits
MATH 021 is an introductory algebra course intended to prepare students for the Corequiste: Precalculus I course pair. MATH 021 focuses on developing and applying numeric, algebraic, graphic, and metacognitive skills necessary for success in MATH 041, Corequiste: Algebra for MATH& 141. Prerequisite: Grade of C or higher in MATH 071, MATH 014, CAP 014, HSC 014, or AMATH 106, appropriate placement, or permission of the Mathematics Department. Course is cross listed with CAP021 and HSC021. Credit can only be earned for one of these courses: CAP021, HSC021 and MATH021.

MATH 037 Corequiste: Algebra for MATH& 107 and MATH& 131 3 Credits
MATH 037 is an intermediate algebra course to be taken concurrently with MATH& 107 or MATH& 131. The course focuses on developing and applying numeric, algebraic, graphic, and metacognitive skills necessary for success in MATH& 107, Math in Society, and in MATH& 131, Mathematics for Elementary Education I. Prerequisite: Grade of C or higher in MATH 071, MATH 014, CAP 014, HSC 014, or AMATH 106, appropriate placement, or permission of the Mathematics Department. Corequisite: MATH& 107 or MATH & 131. Mandatory P/F grading.

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 041 Corequiste: Algebra for MATH& 141 3 Credits
MATH 041 is an intermediate algebra course to be taken concurrently with MATH& 141. The course focuses on developing and applying algebraic, graphic, and metacognitive skills necessary for success in MATH& 141, Precalculus I. Prerequisite: Grade of C or higher in MATH 075, MATH 021, CAP 021, or HSC 021, appropriate placement, or permission of the Mathematics Department. Corequisite: MATH& 141. Mandatory Pass/Not Pass grading.

MATH 046 Corequiste: Algebra for MATH& 146 3 Credits
MATH 046 is an intermediate algebra course to be taken concurrently with MATH& 146. The course focuses on developing and applying numeric, algebraic, graphic, and metacognitive skills necessary for success in MATH& 146, Introduction to Statistics. Prerequisite: Grade of C or higher in MATH 071, MATH 014, CAP 014, HSC 014, or AMATH 106, appropriate math placement, or permission of the Mathematics Department. Corequisite: MATH& 146. Recommended: READ 088 or higher. Mandatory P/F grading.

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). Course requires concurrent enrollment in MATH 037 OR having met one of the following prerequisites: grade of P in MATH 037, MATH 041, or MATH 046; grade of C or higher in MATH 078, MATH 078E, or MATH 79; appropriate placement; or permission of the Mathematics Department. Formerly MATH 107, Mathematics: A Practical Experience. [NS] [Q]

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. Course requires concurrent enrollment in MATH 037 OR having met one of the following prerequisites: grade of P in MATH 037, MATH 041, or MATH 046; grade of C or higher in MATH 078, MATH 078E, or MATH 79; appropriate placement; or permission of the Mathematics Department. [NS]

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. Course requires concurrent enrollment in MATH 041 OR having met one of the following prerequisites: grade of P in MATH 041; grade of C or higher in MATH 079, MATH 080, or MATH 80F; appropriate placement; or permission of the Mathematics Department. [NS] [Q]

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. Course requires concurrent enrollment in MATH 046 OR having met one of the following prerequisites: grade of P in MATH 037, MATH 041, or MATH 046; grade of C or higher in MATH 078, MATH 078E, or MATH 79; appropriate placement; or permission of the Mathematics Department. [NS] [Q]

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 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 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 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. Corequisite: 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. Corequisite: 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: Grade of C or higher in NAIL 111. Corequisite: 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: Grade of C or higher in NAIL 112. Corequisite: NAIL 121

Nursing Assistant

NA 027 Nurse Delegation 0.7 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 80% 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: placement into READ 088 or CASAS Level 5.

NA 112 Nursing Assistant Review .7 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. Corequisite: 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; Grade C or better in NURS 100 and 110 or Instructor Permission. 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; Grade C or better in NURS 101 and 111 or Instructor Permission. 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. Corequisite: 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; Grade C or better in NURS 100 and 110 or Instructor Permission. 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; Grade C or better in NURS 101 and 111 or Instructor Permission. Co-requisite: NURS 102.

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. Prerequisite: Grade C or better in NURS 200 and NURS 210.

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. Prerequisites: Admission to the Nursing Program; Grade C or better in 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: Admission to the Nursing Program; Grade C or better in 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; Grade C or better in 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; Grade C or better in 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; Grade C or better in NURS 200 and 210. Co-requisite: NURS 201. This course is effective Winter 2017. For MCO prior to Winter 2017 please review archived catalogs.

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; Grade C or better in NURS 201 and 211. Co-requisite: NURS 202. This course is effective Spring 2017. For MCO prior to Spring 2017 please review archived catalogs.

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 they apply to macro-nutrients and metabolic pathways. 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. Formerly NUTR 165, General Nutrition.

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: ENGL 087 or AENG 100 with a grade of C or higher or appropriate placement; or permission of the Science Division Chair or designee. Recommended: READ 088 or higher and CHEM& 110 or high school chemistry. Formerly OCE 101.

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& 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 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. 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. Prerequisite: Admission to the nursing program; Grade C or better in 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 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. Prerequisite: Admission to the Nursing Program; Grade C or better in 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. Prerequisite: Admission to the Nursing Program; Grade C or better in 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. Prerequisite: Admission to the Nursing Program; Grade C or better in 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: Grade of C or higher in PHIL 131.

Physical Education and Recreation

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 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 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 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 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: Grade of D or higher in HPER 188 and HPER 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 as 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.

Physics

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: MATH& 151 with a grade or C or higher or concurrent enrollment in MATH& 151. ENGL 087 or AENG 100 with a grade of C or higher or appropriate placement; or permission of the Science Division Chair or designee. Recommended: READ 088. Formerly PHYS 201.

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 with a grade of C or higher. MATH& 152 with a grade of C or higher or concurrent enrollment in MATH& 152. Formally PHYS 202.

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 with a grade of C or higher. Formerly PHYS 203.

Political Science

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 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 AGBS 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 milling 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. Prerequisites: Grade of C or higher in 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). Prerequisites: Grade of C or higher in PMT 109 and AMATH 106.

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 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. 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. Prerequisite: Admission to Nursing Program; Grade C or better in 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. . Recommended: READ 088 or higher. Formerly PSY 196

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.

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 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, the 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: Grade of C or higher in PSYC& 100. Recommended: READ 088 or higher. Formerly PSY 250.

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. Prerequisite: Admission to the Nursing Program; Grade C or better in 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. Prerequisite: Admission to the Nursing Program; Grade C or better in 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: Grade of C or higher in 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: Grade of C or higher in 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. Recommended: READ 088 or higher. Formerly SOC 201, Intro to Social Problems.

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.

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.

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: Grade of C or higher in SPAN& 121 or instructor permission. Formerly SPAN 102.

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: Grade of C or higher in 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. Corequisite: 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, and 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. Corequisite: 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: Grade of C or higher in TURF 197 or TURF 191.

Welding Technology

WELD 101 Welding 1 3 Credits
Welding theory designed to explain welding safety, industry practices, and Shield Metal Arc Welding (SMAW) processes. Students will learn the safe handling and operation of Oxy/fuel welding, brazing and cutting equipment; contrast SMAW 6010, and 7018 electrodes; and material preparation methods. Introduction to basic print reading and layout. Discuss the importance of professional and ethical shop behavior and welding safety.

WELD 102 GMAW and FCAW Lecture 3 Credits
Welding theory designed to explain Gas Metal Arc Welding (GMAW) and Flux Cored Arc Welding (FCAW) with ferrous and nonferrous alloys, as well as discussions of filler metal identification, basic machine maintenance, and safety standards included in the processes. Corequiste: WELD 112 and WELD 122.

WELD 111 Oxy/Fuel Welding, Cutting, and SMAW 1 Lab 1-12 Credits
Introduce students to welding safety, industry practices, and Shield Metal Arc Welding (SMAW) processes in a laboratory setting. Students will learn, practice, and apply skills needed for the safe operation of Oxy/fuel welding, brazing and cutting equipment as well as SMAW equipment including 6010 and 7018 electrodes. Students will prepare projects to weld using basic print reading skills. Lab practice will be completed while employing professional, ethical, and safe welding shop behavior.

WELD 112 Gas Metal Arc Welding 1 - 6 Credits
Introduce students to welding safety, industry practices, and Gas Metal Arc Welding processes in a laboratory setting. Students will learn, practice, and apply skills needed for the safe operation of high-pressure cylinders, and GMAW equipment in various welding configurations. Students will prepare projects to weld using basic print reading skills. Lab practice will be completed while employing professional, ethical, and safe welding shop behavior. Corequiste: WELD 102 and WELD 122.

WELD 122 Flux Core Arc Welding 1 - 6 Credits
Introduce students to welding safety, industry practices, and Flux Core Arc Welding in a laboratory setting. Students will learn, practice, and apply skills needed for the safe operation of both self-shielding, and dual shielded FCAW, including the selection of correct parts, tools, and polarities to operate each process. Students will prepare projects to weld using basic blueprint reading skills. Lab practice will be completed while employing professional, ethical, and safe welding shop behavior. Corequiste: WELD 102 and WELD 112.

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: Grade of C or higher in 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: Grade of C or higher in 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. Corequisite: 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 **1 - 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: Grade of C or higher in WELD 151 or instructor permission. Course available on Clarkston campus only, effective Winter 2018.

WELD 251 Welding Aluminum **1 - 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: Grade of C or higher in WELD 250 or instructor permission. Course available on Clarkston campus only, effective Spring 2018.

WELD 255 Gas Tungsten Arc Welding **1 - 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 **1 - 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 **1 - 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.

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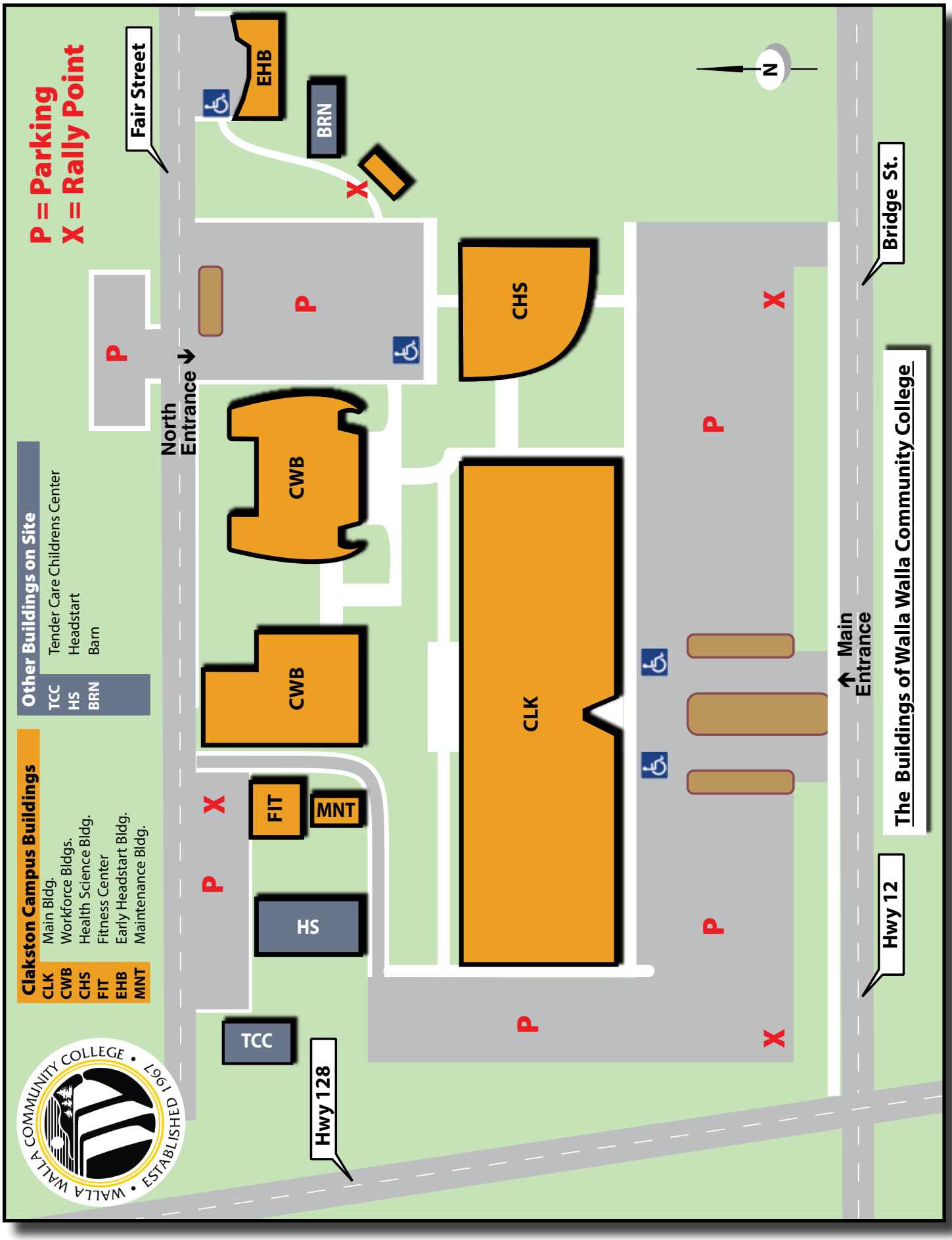
Campus Maps

CLARKSTON CAMPUS MAP



WALLA WALLA CAMPUS MAP

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