WENATCHEE VALLEY COLLEGE

# Course Catalog

2026 - 2027

1300 Fifth Street - Wenatchee, WA 98801 • (509) 682-6800 • www.wvc.edu

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Phylicia Hancock Lewis
Tamra Jackson
Steve Zimmerman

**Wenatchee Valley College President**
Dr. Faimous Harrison

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116 West Apple Avenue
Omak, WA 98841
Phone: 509-422-7800
Fax: 509-422-7801

This catalog provides a general guideline of courses offered by Wenatchee Valley College. The classes and programs described herein are implemented at the sole discretion of the college and are subject to change at any time without notice. Information regarding classes and programs is provided for illustrative purposes only and are not intended to create or constitute any contractual obligation, covenant, or commitment on the part of the college.

The college's total liability for claims arising from a contractual relationship with the student in any way related to classes or programs shall be limited to the tuition and expenses paid by the student to the college for those classes or programs. In no event shall the college be liable for any special, indirect, incidental or consequential damages, including but not limited to, loss of earnings or profits.

All information is current at the time of publication, July 2026. The college reserves the option to amend, modify or revise any content or provisions of this catalog without notice, because of changes in policies, personnel, curricula or funding. For the most current information, go to www.wvc.edu.

# About Wenatchee Valley College

**Wenatchee Valley College is one of the oldest of 34 community and technical colleges in Washington state.** It opened as a private institution in 1939 and was made part of the state's public education system two years later. In 1967, Community College District 15 was formed, expanding WVC's service area to include Chelan, Douglas and Okanogan counties. WVC at Omak was established in the early 1970s to better serve the educational needs of the people of Okanogan County.

WVC offers courses and programs to meet a variety of student needs. Whether a student plans to transfer to a bachelor's degree-granting institution, wants to seek education that leads directly to employment, needs to develop basic academic skills, or wants opportunities to enhance knowledge and skills through professional or personal development, the college has programs to assist them in reaching their goals.

WVC offerings follow a quarterly schedule with day, evening, weekend and distance learning classes.

# Wenatchee Valley College Mission

**Wenatchee Valley College Mission:**

Wenatchee Valley College enriches North Central Washington and delivers relevant, innovative, and experiential educational opportunities for thriving and healthy communities.

**Wenatcee Valley College Vision:**

Wenatchee Valley College transforms lives, strengthens communities, fosters inclusive excellence, and is the higher education institution of choice for North Central Washington and beyond.

**Values:**

- Community
- Opportunity
- Inclusion
- Learning
- Student-Centered

# Message from the President

Welcome to Wenatchee Valley College (WVC). Here, students from all walks of life take their future into their own hands. With the support of dedicated staff and outstanding faculty, WVC graduates go on to pursue more education, get jobs in their fields of choice and give back to their communities. With a broad list of certificates, two-year and four-year degrees to choose from, anyone can find a path that suits their interests and needs.

As you continue or embark on your educational journey, please know that you have the support of everyone in the WVC community. We look forward to a fantastic 2025-2026 academic year.

Sincerely,
Dr. Faimous Harrison
WVC President

# Land Acknowledgment

Wenatchee Valley College Trustees respectfully acknowledge that the Wenatchee and Omak campuses resides on the traditional territories of the Wenatchi people. The traditional territories of the Colville Tribes extend across eastern Washington and into portions of British Columbia, Oregon and Idaho. The Confederated Tribes of the Colville Reservation include the Lakes, Colville, Okanogan, Moses-Columbia, Wenatchi, Entiat, Chelan, Methow, Nespelem, San Poil, Chief Joseph Band of Nez Perce and Palus Indians.

Consistent with the college's commitment to diversity and inclusion, WVC works toward building relationships with the Confederated Tribes of the Colville Reservation through academic pursuits, partnerships, historical recognitions, community service and enrollment efforts.

# Accreditation

Wenatchee Valley College is accredited by the Northwest Commission on Colleges and Universities.

Accreditation of an institution of higher education by the Northwest Commission on Colleges and Universities indicates that it meets or exceeds criteria for the assessment of institutional quality evaluated through a peer review process. An accredited college or university is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Accreditation by the Northwest Commission on Colleges and Universities is not partial but applies to the institution as a whole. As such, it is not a guarantee of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

Inquiries regarding an institution's accredited status by the Northwest Commission on Colleges and Universities should be directed to the administrative staff of the institution. Individuals may also contact Northwest Commission on Colleges and Universities, 8060 165th Avenue NE, Suite 100, Redmond, WA 98052. Phone: 425-558-4224. Web: www.nwccu.org.

The associate degree nursing program at Wenatchee Valley College is accredited by the Accreditation Commission for Education in Nursing (formerly known as the National League for Nursing Accrediting Commission), a specialized accrediting board recognized by the Council for Higher Education Accreditation and the U.S. Department of Education. Contact: Accreditation Commission for Education in Nursing, 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326. Phone: 404-975- 5000. Web: www.acenursing.org.

The baccalaureate degree program in nursing at Wenatchee Valley College is accredited by the Commission on Collegiate Nursing Education (CCNE). Web: www.ccneaccreditation.org.

The Wenatchee Valley College Medical Assistant Program is accredited by the Commission on Accreditation of Allied Health Education Programs upon the recommendation of the Medical Assisting Curriculum Review Board of the American Association of Medical Assistants Endowment (AAMAE). Contact: Commission on Accreditation of Allied Health Education Programs, 25400 US Highway 19 North, Suite 158, Clearwater, FL 33763. Phone: 727-210-2350. Web: www.caahep.org and www.maerb.org.

The medical laboratory technology program at Wenatchee Valley College is accredited by the National Accrediting Agency for Clinical Laboratory Sciences, a specialized accrediting board recognized by the Council for Higher Education Accreditation and the U.S. Department of Education. Contact: National Accrediting Agency for Clinical Laboratory Sciences, 5600 North River Road, Suite 720, Rosemont, IL 60018. Phone: 773-714-8880. Web: www.naacls.org.

The Radiologic Technology program at Wenatchee Valley College is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). The JRCERT is the only agency recognized by the United States Department of Education (USDE) and the Council for Higher Education Accreditation (CHEA), for the accreditation of traditional and distance delivery educational programs in radiography, radiation therapy, magnetic resonance, and medical dosimetry. Contact: Joint Review Committee on Education in Radiologic Technology, 20 North Wacker Drive, Suite 2850, Chicago, IL 60606-3182, 312-704-5300 Web: www.jrcert.org

The automotive technology program at Wenatchee Valley College is accredited by the National Technicians Education Foundation (NATEF), certifying that the program meets standards established by the National Institute for Automotive Service Excellence (ASE).

Contact: 101 National Technicians Education Foundation, 101 Blue Seal Drive SE, Suite 101, Leesburg, VA 20175. Phone: 703-669-6650. Web: www.natef.org.

Approved for:

- Bachelor of Science in Nursing (RN to BSN)
- Bachelor of Science in Nursing (LPN to BSN)
- Associate in Applied Science–Transfer Degree
- Associate in Arts and Sciences–Direct Transfer Degree/MRP
- Associate in Business–Direct Transfer Degree/MRP
- Certificate of Completion - Multiple
- Associate of General Studies Degree
- Associate in Nursing –Direct Transfer Degree/MRP
- Associate in Science–Transfer Degree
- Associate of Technical Science Degree - Multiple
- Pharmacy Technician Associate in Applied Science-Transfer Degree
- Engineering Technology Associate in Applied Science-Transfer Degree

# Non-Discrimination Statement

Wenatchee Valley College is committed to a policy of equal opportunity in employment and student enrollment. All programs are free from discrimination and harassment against any person because of race, creed, color, national or ethnic origin, sex, sexual orientation, gender identity or expression, the presence of any sensory, mental, or physical disability, or the use of a service animal by a person with a disability, age, parental status or families with children, marital status, religion, genetic information, honorably discharged veteran or military status or any other prohibited basis per RCW 49.60.030, 040 and other federal and state laws and regulations, or participation in the complaint process.

The following persons have been designated to handle inquiries regarding the non-discrimination policies and Title IX compliance for both the Wenatchee and Omak campuses:

- To report discrimination or harassment: Title IX Coordinator, Wenatchi Hall 2322M, 509-682-6445, title9@wvc.edu.
- To request disability accommodations: Student Access Manager, Wenatchi Hall 2133, 509-682-6854, TTY/TTD: dial 711, sas@wvc.edu.

## Política de igualdad de oportunidades

Wenatchee Valley College está comprometido a una política de igualdad de oportunidades en el empleo y la matriculación de estudiantes. Todos los programas están libres de discriminación y acoso contra cualquier persona debido a raza, credo, color, origen nacional o étnico, sexo, orientación sexual, identidad o expresión de género, la presencia de cualquier discapacidad sensorial, mental o física, o el uso de un animal de servicio por una persona con discapacidad, edad, estatus o familias con niños, estado civil, religión, información genética, veterano descargado honorablemente o estatus militar o cualquier otra base prohibida conforme al RCW (Código Revisado de Washington) 49.60.030, 040 y otras leyes y regulaciones federales y estatales, o participación en el proceso de queja.

Las siguientes personas han sido designadas para atender consultas sobre las políticas de no discriminación y el cumplimiento del Título IX para los campus de Wenatchee y Omak:

- Para denunciar discriminación o acoso: Coordinador del Título IX, Wenatchi Hall 2322M, 509-682-6445, title9@wvc.edu.
- Para solicitar adaptaciones para discapacitados: Gerente de acceso estudiantil, Wenatchi Hall 2133, (509) 682-6854, TTY/TTD: marque 711, sas@wvc.edu.

# The Clery Act

The Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act (Clery Act) is a federal statute codified at 20 U.S.C. § 1092(f), with implementing regulations in the U.S. Code of Federal Regulations at 34 C.F.R. 668.46. The Violence Against Women Act of 2013 adds additional requirements under the Campus Sexual Violence Act (SaVE Act) provision, Section 304.

The Clery Act requires all colleges and universities that participate in federal financial aid programs to keep and disclose information about crime on and near their respective campuses. Compliance is monitored by the United States Department of Education, which can impose civil penalties (up to $54,789 per violation) against institutions for each infraction and can suspend institutions from participating in federal student financial aid programs.

The law is named for Jeanne Clery, a 19-year-old Lehigh (Penn.) University freshman who was raped and murdered in her campus residence hall in 1986. The backlash against unreported crimes on numerous campuses across the country led to the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime

Statistics Act. The Clery Act, signed in 1990, was originally known as the Crime Awareness and Campus Security Act.

All students are encouraged to report all crimes to Campus Safety: 509-682-6659 or visit https://www.wvc.edu/students/safety/safety-security

For more information on the Clery Act and WVC's annual Campus Security and Fire Report, visit https://www.wvc.edu/students/safety/safety-security. To view Clery Act crime statistics, visit www.wvc.edu/publicdisclosure

# Contact Information

| Contact Information | |
|---|---|
| Web Address | www.wvc.edu |
| Wenatchee Campus | 509-682-6800 |
| Omak Campus | 509-422-7800 |
| Toll-free (in Washington state) | 877-982-4968 |

| Wenatchee Campus (Area Code 509) | | | |
|---|---|---|---|
| Admissions | 682-6806 | Library | 682-6710 |
| Advising | 682-6830 | Literacy Council, Wenatchee Valley | 662-6156 |
| Agriculture | 682-6628 | Lost and Found | 682-6860 |
| Allied Health | 682-6660 | MAC Gallery | 682-6736 |
| Athletics | 682-6886 | Maintenance | 682-6450 |
| Basic Needs Benefits Navigator | 682-6617 | MESA | 682-6583 |
| Business Office | 682-6500 | Parking | 682-6450 |
| CAMP (College Assistance Migrant Program) | 682-6973 | Placement Testing | 682-6830 |
| Career Center | 682-6579 | President's Office | 682-6400 |
| Career Tech Ed | 682-6920 | Public Information Office | 682-6582 |
| Cashier | 682-6500 | Registration | 682-6806 |
| Central Services - Printing | 682-6544 | Running Start / Dual Credit / Concurrent Enrollment | 682-6920 |
| Central Washington University | 665-2600 | Security | 682-6911 |
| Continuing Education (non-credit classes) | 682-6900 | Security (cell) | 509-423-3705 |
| Cooperative Work Experience | 682-6600 | SkillSource | 663-3091 |
| Counseling | 682-6850 | Student Access Services | 682-6854 |
| Instruction Office | 682-6600 | Student Grants Center | 682-6965 |

| Wenatchee Campus (Area Code 509) | | | |
|---|---|---|---|
| Distance Learning | 682-6718 | Student Life | 682-6860 |
| Educational Planning | 682-6830 | Student Recreation Center | 682-6943 |
| Events Scheduling | 682-6780 | Study Abroad | 682-6830 |
| Faculty | 682-6600 | Transitional Studies (ABE/ESL/High School Equivalency classes) | 682-6790 |
| Financial Aid | 682-6810 | TRIO Student Support Services | 682-6978 |
| Food Service | 682-6518 | Tutoring | 682-6718 |
| Foundation – Wenatchee Campus | 682-6410 | Veterans | 682-6817 |
| Human Resources | 682-6440 | Worker Retraining (Student Grants Center) | 682-6965 |
| International Student Programs | 682-6865 | Workforce Programs | 682-6600 |
| Job Placement (including work study) | 682-6579 | | |
| | | | |

| Omak Campus (Area Code 509) | | | |
|---|---|---|---|
| General Information | 422-7803 | Maintenance | 422-7820 |
| Allied Health | 422-7952 | Placement Testing | 422-7803 |
| Foundation – Omak | 422-7835 | Room Scheduling | 422-7803 |
| Library | 422-7830 | Security Omak | 422-7911 |
| | | Transitional Studies (ABE/ESL/ High School Equivalency classes) | 422-7803 |

# Admissions/ Registration/ Educational Planning/ Advising

## Admissions and Registration

### Admissions

Wenatchee Valley College has an open door admissions policy, practices equal opportunity, and does not

discriminate in its educational programs. Wenatchee Valley College admits students based on the provisions of RCW 28B.50.090(3)(b): "Each college district shall maintain an open-door policy, to the end that no student will be denied admission because of the location of the student's residence or because of the student's educational background or ability."

Wenatchee Valley College admits anyone

- who is competent to profit from the curricular offerings of the college **and**
- would not, by presence or conduct, create a disruptive atmosphere inconsistent with the purposes of the college **and**
- is 18 years of age or older **or**
- whose high school class has graduated **or**
- is a high school graduate **or**
- has earned a GED **or**
- has qualified for admission through the Running Start program **or**
- is a participant in other approved programs designed for age-specific groups

All new students must complete an application for general admission to Wenatchee Valley College. Applicants who will be 17 years of age or younger on the first day of instruction in the term of enrollment and who do not meet the admissions standards must petition for Special Admission.

**Special Admission**: Special admission is discretionary and requires the approval of the Vice President of Student Affairs or designee. Special admission is viewed as an enrichment program, and high school students who have fallen behind on graduation requirements are rarely admitted.

The Vice President of Student Affairs or designee must approve students seeking special admission to the college. The college reserves the right to determine admission to the college and/or certain classes. Please contact the office of the Vice President of Student Affairs for additional information.

Admission to the college does not guarantee admission to any specific program, course, or class. Generally, admitted Wenatchee Valley College students may enroll in instructional programs offered by any campus, as long as the student meets the requirements for enrollment. Wenatchee Valley College reserves the right to determine admission to the college and/or the ability of students to enroll in certain classes.

Athletic Admission: If a student is participating in intercollegiate athletics, they must submit an official high school transcript.

Placement is required if a student is seeking a college degree or certificate or if they are taking math or English in college for the first time. Visit www.wvc.edu/placement for more information. Once your placement is set, the educational planning team will help you understand your placement and assist you with your next steps in the enrollment process. You will have the opportunity to meet with a College Navigator who can assist you with enrolling in your first classes and clarifying your academic goals. For more information, call 509 682-6830 or go to wvc.edu/Plan. Faculty advisors will be assigned for the following quarters.

**NOTE**: Some instructional programs, including allied health, Running Start, and international programs, have special application procedures that must be met before a student can be accepted into those specific programs. View the Apply tab on our website at www.wvc.edu for more details, or contact the admission/registration office at 509-682-6806 (Wenatchee) or 509-422-7803 (Omak). For allied health admission information, see our website or call 509-682-6843 (Wenatchee) or 509-422-7952 (Omak).

**Former Students**

Students returning to WVC after an absence of four quarters or more (excluding summer) are required to reapply in order to be able to register for classes. Once the admission process has been completed.

**International Students**

The following information is intended for people who:

- do not have U.S. citizenship
- want to come to the US on a temporary F-1 or M-1 non-immigrant student visa (F-1 is most common)
    - will study full time (at least 12 credits a quarter)

To get a student visa, apply to WVC through the international education coordinator. International students need to provide additional documents, so please do not apply online. After you send the international coordinator all the necessary documents, they will submit your application to WVC, and once you are accepted, they will create an I-20 for you. When you have your I-20, make an appointment at your nearest embassy or consulate for a visa interview. You will need to show that you are intending to study full time, have enough funding and the required English proficiency, and that you plan to return to your home country. If this interview is successful, you will receive your F-1 or M-1 student visa. Please visit www.wvc.edu/international

**Running Start Students**

Running Start is a statewide college program for junior and senior high school students. Students receive both high school and college credit for these classes, which accelerates their progress through the education system. College tuition for eligible classes is covered through the Running Start program. For more information, go to www.wvc.edu/rs or call 509-682-6920.

**Transfer Students**

Students transferring to Wenatchee Valley College from another college or university must complete an admissions application.

**Transferring Credits to Wenatchee Valley College**

Credits earned at colleges and universities that are recognized by a regional accreditation association are generally accepted by Wenatchee Valley College. Students with credits from other colleges or universities need to follow these steps to ensure their credits are transferred to WVC:

- Submit an admissions application to the college.
- Contact the former school(s) and request that official transcripts be sent to the Wenatchee Valley College admissions office. Hand-carried transcripts are accepted only when sealed in official letterhead envelopes from the issuing institution. Copied or faxed transcripts cannot be accepted as official. Once the official transcript(s) are evaluated, the results will be emailed to the student.
- Submit an official credit evaluation request: Incoming Transfer Credit. Once the official transcript(s) are evaluated, the results will be emailed to the student.
- Credits from other regionally accredited colleges may be used to satisfy prerequisites for college level English, mathematics and other classes. An unofficial copy of the transcript is acceptable for determining prerequisite based placement; however, an official copy must be on file for credit to be granted towards a degree or certificate program.

Washington Community and Technical Colleges (CTCs) offer reciprocity to students transferring within the CTC system. Students who have fulfilled entire areas of their degree requirements at one college (for example, Quantitative Skills, Communications Skills or Distribution Area requirements) will generally be considered to have met those same requirements at Wenatchee Valley College. For more information on reciprocity, contact the admissions office.

**Admission Fee**

There is no admission fee for undergraduate programs. There is a non-refundable, one-time $50 application fee for the Bachelor programs, Allied Health programs and International Student Application. This fee can be paid online in your ctcLink, in person or mailed in. Contact the cashier's office: 509-682-6500 or cashier@wvc.edu.

**Admission Options**

Prospective students can complete the application for admission to WVC in the following ways:

**Apply Online** - Apply online through the WVC website (www.wvc.edu). Applicants may save the application at any time and return later to complete it, so long as they remember their user ID and password that they create when using the online application process. Once an applicant has completed the application, they will receive a welcome letter with information for next steps.

**Apply In Person** - Complete the application in person at the admission/registration office. A student services staff member will be available to answer questions about the process.

**Admission Timelines**

New and transfer students need to submit a completed application and official high school/college transcripts to the registration office at least two weeks before classes begin.

Former WVC students need to submit a student information update form to the admissions/registration office, as well as any transcripts received from high school or college since their last attendance at least two weeks before classes begin.

**ctcLink ID number**

Once your application has been processed, WVC students will be assigned a ctcLink Identification Number or ctcLink ID. This ID is a unique identifier, that will be paired with a password that you will set up to gain access to your student information, records and other tools like registration, credit evaluation, Canvas, graduation, and transcripts. Because this information is highly confidential and protected, WVC strongly advises that you keep it private. Students can change their password at the login screen for ctcLink or by calling the WVC Help Center: 509-682-6550.

**NOTE**: Due to privacy regulations, WVC staff are not allowed to give out your ctcLink ID to anyone besides you. You can look up your ctcLink ID by visiting ctcLink and entering the email that you entered when you applied. If you have issues, please contact the Help Center at helpdesk@wvc.edu or by calling 509-682-6550.

**Registration**

Check the academic calendar on the website for registration start dates. New WVC students (including transfer students) who submit an application after the Priority Enrollment Deadline , may be required to start classes the following quarter.

Exceptions to this policy may be considered with approval from a college navigator or, for students pursuing a professional/technical program, the program director, and the college registrar.

Online registration through the WVC website and ctcLink is available to any student with a matriculated application on file. If a student has not attended WVC for more than four quarters (excluding summer), they will need to submit a student information update form to be able to enroll online. The following students, however, will need to register in person:

- Students taking ABE, ESL or HS+ classes
- Students registering on a space-available tuition waiver

To access online registration, students will need their ctcLink Identification Number.

If you prefer to register in person, Registration staff is available to assist you during office hours. Visit www.wvc.edu for more information.

**Registration Enrollment Appointments**

- Registration enrollment appointment times are assigned to students who are enrolled in the current term and to all students who completed classes within the past four terms. Registration times are assigned based on the total number of credits earned at Wenatchee Valley College, with students earning the most credits receiving the earlier assigned times. New students may enroll during the open registration period. For continuing students, use the ctcLink to find your registration time. Students may register at their assigned time or any time thereafter. New students will have their registration hold released once they have met with a college navigator. Students receiving services through the Veterans Services Office may be eligible for priority registration. The Veterans Services Office staff determines eligibility. If you have not attended the college for more than four consecutive quarters (excluding summer), you must submit a reapply for admission before you can register for classes. Contact the admissions/ registration office if you have questions.

These procedures are subject to change at any time. Refer to the student calendar for specific dates for each quarter.

**Registration Blocks**

All prior college financial obligations must be paid prior to registration. Students may not be permitted to register or change their schedule if there is a financial or registration block on their student record.

**Adding Classes**

Students may add classes through the first 10 days of each quarter. After the second day, the instructor's written approval is required.

**Auditing Classes**

Students may choose to audit a class unless they are a Running Start student. An audit exempts them from examinations, but the instructor may require reasonable attendance and class participation. No college credit is received for an audited class. Regular tuition charges will apply. Financial aid will not be awarded for audited classes. Changing a class from audit to credit is permitted only through the 10th day of the quarter. Changing from credit to audit is permitted until the end of the 35th day. The instructor's written approval is required to change to an audit and a completed Course Change form must be turned into the Enrollment Services Office.

**Class Waitlists**

Waitlists adjust daily. Classes are filled in the order that students placed themselves on the waitlist. Students on a waitlist will be sent a notification to their preferred email upon successful enrollment into the course they were on the waitlist for. Waitlist stops running the morning of the 3rd day of the term.

**Continuing Education**

Students may register any time for continuing education classes by mail, by phone (with a debit or credit card), in person or online. Please see the continuing education website at wvc.edu/CED for more details.

**Senior Citizens**

After the fifth instructional day of the quarter, but before the 10th day, anyone over 60 years of age may register for most credit classes for a special tuition rate of $5 per class. Registration is on a space-available basis for a maximum of two classes per quarter. This special tuition rate is only for Washington residents (who have lived in Washington for 12 or more consecutive months).

Seniors who would like the tuition discount must register in person. If a senior does not want the senior discount, they can sign up on the first day of class at full price and may receive credit for the class.

**NOTE:** Seniors are registered to "audit" the class. There will be no transcript record for classes taken on a space-available basis. These classes do not qualify for transfer or toward a WVC degree.

**Withdrawing From Classes**

If a student withdraws from all their classes, whether officially or unofficially, they may be responsible for repaying all or a portion of their financial aid. For more information, visit the wvc.edu/financialaid for further details.

The last day to withdraw from classes each quarter is specified on the official student calendar, printed at the front of this publication and on our wvc.edu/academiccalendar. The student is responsible for withdrawing from classes. Failure to formally withdraw from class will normally result in a failing grade and potential financial aid penalties. Instructors have the authority to request a student to be withdrawn who does not attend class during the first ten days of the quarter. **However, students should not assume they will be dropped for non-attendance**.

To withdraw from a class or the college, students must withdraw online, or complete the course change form found in the admission/registration office located in Wenatchi Hall on the Wenatchee campus or the administration office in Omak. The withdrawal is effective on the date the completed forms are received. If the student stops attending classes but does not withdraw, they will still be responsible for the payment of any tuition and fees, including repayment of financial aid.

Courses that are dropped during the first 10 days of the quarter are not included on student transcripts. Classes dropped after the 10th day and through the 35th day of the quarter will be recorded with a "W" on the transcript. For courses with unusual starting and ending dates, the instructor's written consent is required to withdraw after the 10th day of instruction and through the last day of the course. No withdrawals will be accepted after a course has ended.

If a student was unable to withdraw before the deadline and feel they have extenuating circumstances, they should contact the admission/registration office before the last day of the quarter about the late withdrawal procedure.

More information about the WVC refund policy may be found at wvc.edu/refund.

**Full-Time Student Status**

The number of credits required for full-time student status in Washington State varies depending on the student's specific situation; for example, veterans, student-athletes, international students, and financial aid recipients may have different requirements. Students should check with the admissions, registration, or financial aid office to confirm their status.

At many Washington State community and technical colleges, tuition is charged at the full-time rate starting at 10 credits. However, for financial aid purposes, students typically need to enroll in **at least 12 credits** to be considered full-time. A typical full-time academic course load is **15 credits per quarter**, though some professional or technical programs may require students to take more than that.

**More Information**

More information about admissions and registration, as well as forms and instructions, is available on our website at www.wvc.edu/Registration or from the admission/registration office at 509-682-6806.

# Student Enrollment Procedure

The basic procedures for enrollment at Wenatchee Valley College are provided below. See our website at www.wvc.edu for detailed information. Students interested in financial aid should contact the financial aid office early in the enrollment process. Call 509-682-6810 or visit wvc.edu/FinancialAid to learn more.

**New Students**

**NOTE**: The entire enrollment process (from completing an application to enrolling in classes) must be completed by the New Student Priority Deadline.

1. Submit a completed application and official high school/college transcripts to the registration office by the New Student Priority Deadline.
2. New students should visit www.wvc.edu/placement and take the Pre-Placement Questionnaire to determine if a student needs to take a placement test or if they have other documentation that can place them into classes.
3. Complete the Online Advising and Registration Tutorial. This tutorial will teach new students how to navigate ctcLink and enroll in classes.

4. Meet with a college navigator to discuss educational goals and plan a course of study.
5. Enroll in for classes. Enrollment appointments are assigned by the registration office.
6. Pay tuition and fees and buy books or set up a STEPP tuition payment plan.

**Transfer Students**

**NOTE**: The entire enrollment process (from completing an application to enrolling in classes), must be completed by the New Student Priority Deadline.

1. Submit a completed application and official high school/college transcripts to the registration office by the New Student Priority Deadline.
2. Transfer students should visit www.wvc.edu/transfer-in and complete the Transfer Student form. College navigators will review the submission and assist students with their next steps.
3. Meet with a college navigator to discuss educational goals and plan a course of study.
4. Enroll in classes. Enrollment appointments are assigned by the registration office.
5. Pay tuition and fees and buy books or set up a STEPP tuition payment plan.

**Former WVC Students**

**NOTE**: The entire enrollment process (from completing an application to enrolling in classes) must be completed 2 weeks prior to the start of the term.

1. Students who have not attended for more than four consecutive quarters must reapply for admission through the Admissions and Registration Office.
2. Submit any official high school or college transcripts that are not on file to the admissions/registration office.
3. If needed, students can visit www.wvc.edu/placement and take the Pre-Placement Questionnaire to determine if they need to take a placement test or if they have other documentation that can place them into classes.
4. Meet with a college navigator or faculty advisor. Review placement. Review transcripts. Plan course of study.
5. Learn more at wvc.edu/plan or schedule an appointment by calling 509-682-6830.
6. Enroll in for classes. Enrollment appointments are assigned by the registration office.
7. Pay tuition and fees and buy books or set up a STEPP tuition payment plan.

**Currently Enrolled Students**

1. Meet with a faculty advisor. Review educational goals and confirm course of study at WVC. Check on graduation status through your ctcLink student homepage, by viewing the Academic Progress tile. Plan course of study or other goals beyond WVC.
2. Enroll in for classes. Enrollment appointments are assigned by the registration office.
3. Pay tuition and fees and buy books or set up a STEPP tuition payment plan.

# Academic Advising / Educational Planning

Wenatchee Valley College believes that academic advising is an essential component of our mission. The fundamental element of the advising process is to assist students in understanding and maximizing the educational opportunities available to them. WVC is committed to ensuring this practice is effective and accessible to all students.

Through advising, WVC strives to:

- Ensure that students have access to dependable counseling and advising services.
- Provide students with relevant, current and accurate information that allows them to make informed decisions.
- Assist students in better understanding the correlation between educational choices and career goals.
- Assist students in developing an educational plan that is efficient and practical.
- Assist students in developing accountability in assessing and meeting their educational goals.
- Provide students with information on college policies, procedures, programs and activities to make them aware of the benefits and opportunities in their educational experience.

## Role of the Faculty Advisor

Student-faculty relationships have always been viewed as a key component of higher education. Faculty advisors have a special knowledge in their disciplines and are aware of specific courses within their divisions, and in educational and career opportunities in their areas of concentration. The faculty advisor can:

- Assist students with academic planning, course selection and scheduling.
- Assist students with developing, clarifying and evaluating educational plans and goals.
- Assist students with identifying and exploring alternative educational opportunities.
- Assist students with the development of long-range educational plans.
- Assist students with transfer information for in-state colleges and universities.

- Assist students in gaining an understanding of the complete requirements of a program.
- Refer students, as needed, to counseling services for educational, personal or emotional support.

### Role of the Educational Planner and College Navigator

Educational planners' and college navigators' roles primarily focus on providing academic and support services for first- time students. Educational planners and college navigators are knowledgeable about the broad range of programs of study available at WVC. They are very helpful to first-time students and are skilled in making appropriate referrals. The educational planners and college navigators:

- Interpret placement results and recommend appropriate classes.
- Assist students with academic planning, course selection and scheduling their first quarter at WVC.
- Assist students in planning strategies or approaches to successful goal achievement.
- Assist students in gaining an understanding of the complete requirements of a program.
- Refer students, as needed, to counseling services for educational, personal or emotional support.
- Assist students in the development of functional educational plans.

### Role of the Counselor

Many WVC students have multiple issues that accompany them when attending classes, making learning difficult. The pressures from school and outside sources can be overwhelming and cause students to drop out and not experience the best that college life can offer. Expertise in personal counseling, along with knowledge of academic program requirements, allows WVC counselors to effectively work with students to enhance their success. The counselor can:

- Assist students in clarifying educational goals.
- Help students become aware of the wide range of educational and career options available to them.
- Assist students with academic planning, course selection and scheduling.
- Assist students in dealing with issues that adversely affect them in attaining their goals.

### Role of the Student

The role students play in their educational plans must be dynamic. Being proactive to maximize the advising process will provide a solid foundation for their educational experience. Advising is a shared responsibility, and builds on the strengths of the faculty advisor and the student's willingness to be involved. It is the student's responsibility to:

- Read the college catalog and all student policies on the college website and in the student handbook.
- Have all transcripts from other institutions evaluated by the transcript evaluator, with classes noted that relate to the certificate or degree.
- Develop a current educational plan and bring that to the quarterly advising meeting with the faculty advisor.
- Set and keep quarterly advising appointments with their faculty advisor.
- Know what placement tests have been taken and include the results in the educational plan.
- Know deadlines and dates as they pertain to advising, enrollment and graduation.
- Learn the transfer entrance requirements at potential transfer institutions.

# Academic Calendar

| **FALL QUARTER 2025** | |
|---|---|
| Tuition due for fall-quarter classes | Sept. 2 |
| New student priority deadline | Sept. 8 |
| Classes begin | Sept. 22 |
| Last day to register (without instructor permission) | Sept. 23 |
| Last day to drop at 100% refund (except non-refundable fees, including registration fee) | Sept. 26 |
| Last day to withdraw at 50% refund (except non-refundable fees, including registration fee) | Oct. 17 |
| Advising for continuing/former students (No day classes) | Nov. 5 |
| Last day to withdraw or change to audit | Nov. 7 |
| Priority enrollment starts for Veteran students | Nov. 7 |
| Veterans Day (Holiday) (No classes) | Nov. 11 |
| Registration for continuing/former students | Nov. 12-14 |
| No classes | Nov. 26 |
| Thanksgiving (Holiday) (No classes) | Nov. 28-29 |
| New student advising and enrollment begins | Dec 1 |
| Last day to apply for fall-quarter graduation | Dec. 1 |
| Final exams | Dec. 8-10 |
| Winter vacation | Dec. 11 - Jan. 1 |
| Grades available for students (ctcLink) | Dec. 17 |

| **WINTER QUARTER 2026** | |
|---|---|
| Tuition due for winter-quarter classes | Dec. 11 |
| New student priority deadline | Dec. 19 |

| WINTER QUARTER 2026 | |
|---|---|
| Classes begin | Jan. 2 |
| Last day to register (without instructor permission) | Jan. 5 |
| Last day to drop at 100% refund (except non-refundable fees, including registration fee) | Jan. 8 |
| Martin Luther King Day (Holiday) (No classes) | Jan. 19 |
| Last day to withdraw at 50% refund(except non-refundable fees, including registration fee) | Jan. 30 |
| Advising for continuing/former student (No day classes) | Feb. 5 |
| No classes | Feb. 6 |
| Priority enrollments start for Veterans students | Feb. 13 |
| Presidents' Day (Holiday) (No classes) | Feb. 16 |
| Registration for continuing/former students | Feb. 17-19 |
| Last day to withdraw or change to audit | Feb. 23 |
| Last day to apply for winter-quarter graduation | March 2 |
| New student advising and enrollment begins | Mar. 3 |
| Final exams | Mar. 18-20 |
| Spring break | Mar. 23 - Mar. 31 |
| Grades available for students (ctcLink) | Mar. 25 |

| SPRING QUARTER 2026 | |
|---|---|
| Tuition due for spring-quarter classes | Mar. 11 |
| New student priority deadline | Mar. 18 |
| Classes begin | April 1 |
| Last day to register (without instructor permission) | April 2 |
| Last day to drop at 100% refund (except non-refundable fees, including registration fee) | April 7 |
| Last day to withdraw at 50% refund (except non-refundable fees, including registration fee) | April 28 |
| Last day to apply for spring quarter graduation | May 4 |
| Advising for continuing/former students for summer/fall (No day classes) | May 14 |
| No Classes | May 15 |
| Priority enrollment start for Veterans students | May 15 |
| Last day to withdraw or change to audit | May 19 |
| Registration for continuing/former students for summer/fall | May 19-21 |
| Memorial Day (Holiday) (No classes) | May 25 |
| New student advising and enrollment begins for summer and fall | June 1 |
| Final exams | June 16-18 |
| Graduation (Wenatchee Campus) | June 18 |

| SPRING QUARTER 2026 | |
|---|---|
| Juneteenth (holiday/closed) | June 19 |
| Graduation (Omak Campus) | June 20 |
| Grades available for students (ctcLink) | June 24 |

| SUMMER QUARTER 2026 | |
|---|---|
| Tuition due for summer-quarter classes | June 8 |
| New student priority deadline | June 15 |
| Classes begin | June 29 |
| Last day to register (without instructor permission) | June 30 |
| Independence Day (Holiday) (No classes) | July 3 |
| Last day to drop at 100% refund (except non-refundable fees, including registration fee) | July 6 |
| Last day to drop at 50% refund (except non-refundable fees, including registration fee) | July 21 |
| Last day to withdraw or change to audit | Aug. 10 |
| End of quarter | Aug. 21 |
| Grades available for students (ctcLink) | Aug. 26 |
| Last day to apply for summer quarter graduation | Aug. 31 |

# Paying For College

## Tuition and Fees

All fees are subject to change at any time by the state legislature or the Wenatchee Valley College Board of Trustees. Current tuition and fee schedules can be found under Tuition & Fees on the college website, www.wvc.edu/pay, or by contacting the WVC Business Office at 509-682-6500 (Wenatchee). Typical tuition for a resident student taking lower division courses in fall 2025 for 15 credits is $1,645.05. Additional quarterly fees apply. Additional course and program fees may apply.

Tuition due dates and payment options are on the WVC website, www.wvc.edu. Tuition is normally due two weeks before the first day of the quarter. Payment plans are available.

### Refund Policy

A refund of tuition and fees, exclusive of any registration fee, will be made in compliance with the following policy,

except where federal regulations supersede, when students withdraw from college or classes (es). For more information on the refund policy, visit the cashier's office. This policy is subject to change without notice by the WVC Board of Trustees.

For classes that begin the first week of the quarter:

100% refund (except non-refundable fees, including the registration fee)
Withdrawal on or before the fifth business day of the quarter.

50% refund (fall, winter, spring quarters) (except non-refundable fees, including the registration fee)
Withdrawal after the fifth business day and through the 20th business day of the quarter.

50% refund (summer quarter) (except non-refundable fees, including the registration fee)
Withdrawal after the fifth business day and through the 16th business day for summer quarter only.

100% refund (except non-refundable fees, including the registration fee)
Classes or programs cancelled by WVC.

100% refund (except non-refundable fees, including the registration fee)
Withdrawal from a continuing education course before class begins.

*Note: After a continuing education class begins, any requests for a refund must be made in writing to the continuing education director.*

### Classes with irregular instructional starting or ending days

Refunds will be proportionally based on the published starting date of the class and follow the schedule outlined above.

### Refund Payments

Once the refund has been calculated, and if the student paid with a check or cash, students can choose to receive a check for the amount or have it credited to their WVC account. If the student paid by credit card, the refund will be credited back to that card.

Note that WVC will not print refund checks for less than $25. Any refund under $25 will automatically be credited to your WVC account.

If it is determined that a student has outstanding charges with WVC (tuition, library fines, etc.), the amount can be deducted from any refund they may receive.

If tuition was paid by financial aid, the type of aid received will determine how any refunds are processed. Contact the financial aid office at 509-682-6810 for more information.

***Students have until the fifth business day of the academic quarter to withdraw from credit courses and still get a 100% tuition refund. More information about refunds can be found on our website.***

**Insurance Fees**

- A 100% refund is available through the first week of the quarter.
- No refund will be made after the first week.
- No refund is available if an insurance claim has been filed.

# Financial Aid

Wenatchee Valley College participates in a broad range of federal and state aid programs designed to assist students in paying their college expenses and is administered by the WVC Financial Aid Office. Financial aid and most need-based scholarships require a student to complete the Free Application for Federal Student Aid (FAFSA) or Washington Application for State Financial Aid (WASFA). Financial assistance through grants, work study, and subsidized loans requires financial need, determined via data from a student's aid application. Information and applications for both merit- and need-based scholarships, separate from the FAFSA/WASFA, are available online at www.wvc.edu/scholarships. The college also offers programs such as Work-Based Learning Tuition Assistance, WorkFirst, Opportunity Grant, Basic Food, Employment and Training, and Worker Retraining funding. Visit wvc.edu/workforcegrants for more information.

A student should submit either FAFSA or WASFA, not both. If unsure which application a student qualifies for, they can look at the FAFSA eligibility criteria, the WASFA eligibility criteria, or contact WVC's Financial Aid Office for assistance. Generally, it is recommended that a student only submit the WASFA if not eligible for the FAFSA.

Financial aid funds may be categorized into four basic sources: federal, state, institutional, and private. Because there are too many outside private sources to list in this manual, only federal, state, and institutional sources for WVC are listed below:

1. Federal
    - Federal Pell Grant
    - Federal Supplemental Educational Opportunity Program (FSEOG)
    - Federal Work-Study Program

- Federal Subsidized Stafford Loan (FSSL)
- Federal Unsubsidized Stafford Loan
- Federal Parental Loan for Undergraduate Students (FPLUS)

2. State
   - Washington College Grant (WCG)
   - Washington College Bound
   - Passport to Careers
   - State Work-Study Program (SWS)

3. Institutional
   - WVC Tuition Waiver
   - WVC 3.5% Grant
   - WVC Emergency Loans
   - WVC Academic Scholarships

Federal and state student financial aid regulations require students to be in a program of study that leads to an eligible degree or certificate offered at WVC, maintain satisfactory academic progress and be enrolled in at least six credits per quarter. (In some cases, students may take fewer than six credits and still receive financial aid. Check with the financial aid office before enrolling for less than six credits to find out how it will affect a financial aid award.) The satisfactory academic progress policy is available under Forms on the financial aid website (www.wvc.edu/financialaid) and in the financial aid office.

Processing financial aid applications can take up to 4-6 weeks. We recommend applying early to have a financial aid offer in place before starting attendance. Students can start the application process in October before the start of the fall quarter for the following year. For example, for the fall quarter of 2026, they can apply in October of 2025. Students will need to list the WVC Federal School Code on their FAFSA/WASFA form, which is 003801. Students should also complete an admissions application to the college and keep an eye out for emails for any requested information from the financial aid office.

***The WVC Financial Aid Office corresponds with students through their college-issued email address. Check your WVC email regularly. To find more information on how to access and use your WVC email account, there are more resources on the WVC website, wvc.edu.***

Financial aid staff members are available at the Wenatchee and Omak campuses during normal business hours, Monday through Friday. You may contact the financial aid office by email at financialaid@wvc.edu or by calling 509-682-6810 (Wenatchee) or 509-422-7803 (Omak).

### Washington Application for State Financial Aid (WASFA)

State law has expanded eligibility for the Washington College Grant ( WCG) to low income, non-citizen students who meet the program's eligibility requirements and also satisfy the following residency criteria:

- Have graduated (or will do so before beginning college) from a Washington state high school, or obtained a GED.
- Have lived in Washington state for three years before, and continuously since, earning the high school diploma or equivalent.

To apply for the WCG, students who are unable to file a FAFSA due to immigration status may instead complete the free Washington Application for State Financial Aid (WASFA).

To apply, visit www.ReadySetGrad.org/WASFA.

Financial aid staff members are available at the Wenatchee and Omak campuses during normal business hours, Monday through Friday. You may contact the financial aid office by email at financialaid@wvc.edu or by calling 509-682-6810 (Wenatchee) or 509-422-7803 (Omak). The fax number for the Wenatchee office is 509-682-6811.

# Veterans

Veteran Services is a liaison between Wenatchee Valley College and the U.S. Department of Veterans Affairs. We assist our military-connected students -- prior service military, active duty personnel, National Guardsmen, reservists, and family members -- with accessing VA education benefits, military tuition assistance, reduced tuition and fee waivers, and other college funding. We guide students through the application process, as well as provide referrals to other on-campus and community resources. The office is located on the Wenatchee campus in Wenatchi Hall, room 2136. Additional guidelines and requirements for accessing and using benefits can be found at www.wvc.edu/veterans or by contacting Veteran Services at 509-682-6817 or veterans@wvc.edu.

Selected programs of study at WVC are approved by the Workforce Training and Education Coordinating Board's State Approving Agency (WTECB/SAA) and the Washington Student Achievement Council's State Approving Agency (WSAC/SAA) for enrollment of those eligible to receive benefits under Title 38 and Title 10, USC.

Schools should limit student enrollment to 85 percent veteran enrollment per program. In the event that a veteran wishes to enroll in a class that has already reached the 85 percent 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. WVC does not and will not provide any commission, bonus, or other incentive payment based directly or indirectly on success in securing enrollment or financial aid to any persons or entities engaged in any student recruiting or admission activities or in making decisions regarding the award of student financial assistance.

**Title 38 US Code 3679 Statement**

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® (CH33 and CH33TOE) or Vocational Rehabilitation and Employment (CH31) 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.
- Require students to secure alternative or additional funding.
- Deny 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.
- To qualify for this provision, such students are required to:
- Produce the VA Certificate of Eligibility by the first day of class.
- Submit quarterly, a Request for Certification of VA Education Benefits form.
- Provide additional information needed to properly certify the enrollment as described in other institutional policies

"G.I. Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website."

# Residency Requirements

## Residency Requirements for Tuition Paying Purposes

Residency for tuition is determined by Washington State law (RCW 28B.15.012–014). Students who qualify as residents pay lower tuition than non-residents. To be eligible for **resident tuition**, a student (or their parent/legal guardian if they are a dependent) must:

- Be a U.S. citizen, permanent resident, or hold an eligible visa, **and**
- Have lived in Washington **for at least 12 continuous months** before the start of the quarter, **and**
- Show they have made Washington their **permanent home (domicile)** for that time.

Living in Washington for 12 months alone **does not** guarantee residency. The college will review other factors to determine intent to stay in Washington permanently.

**Residency Determination**

Residency is first determined from the information provided in your admission application. If you are not classified as a resident, you will be charged the non-resident tuition rate. Some non-resident students may still qualify for in-state tuition if they meet certain visa or immigration requirements and provide documentation. Contact the Admissions Office for more information.

**Reclassification**

If you are a current non-resident student and believe you now qualify for resident status:

- Complete a **Residency Questionnaire** and provide supporting documents.
- Submit your application **before the 30th calendar day** of the quarter. Paperwork submitted after 30 days is reviewed for the next term.
- Forms are available at:
  - Admissions & Registration in Wenatchi Hall (Wenatchee campus), or
  - The Administration Office (Omak campus).

We recommend submitting your residency application **before registering** for classes.

Once approved, your residency status for tuition paying purposes will be updated. Until then, you will remain a non-resident. If residency changes are discovered during a quarter, the Registrar may adjust your tuition rate for future quarters.

Visit www.wvc.edu for information or call **509-682-6806**.

# Policies

Academic and student policies are published on the college website at www.wvc.edu/humanresources/policies-procedures/ in the Student Services section. ***It is the student's responsibility as a student to read and know these policies.***

## Nondiscrimination and Harassment policies

WVC is committed to a policy of equal opportunity in employment and student enrollment. It is the policy of WVC to maintain an academic and work environment free of discrimination, including harassment. The college prohibits discrimination and harassment against any person because of race, creed, color, religion, national or ethnic origin, parental status or families with children, marital status, sex (gender), sexual orientation, gender identity or expression, age, genetic information, honorably discharged veteran or military status as required by Title VI of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, Title VII of the Civil Rights Act of 1964, the Age Discrimination Act of 1975, or the presence of any sensory, mental, or physical disability, or the use of a trained dog guide or service animal by a person with a disability, or any other prohibited basis per RCW 49.60.030, 040 and other federal and state laws and regulations, or participation in the complaint process.

WVC will provide reasonable accommodations for qualified students with disabilities. To request an accommodation, please contact:

Wenatchee and Omak campuses: WVC Student Access Manager, Wenatchi Hall 2133, 509-682-6854, TTY/TTD: dial 711, sas@wvc.edu.

Copies of the WVC affirmative action, discrimination and harassment policies and the procedure for resolution of discrimination or harassment complaints may be obtained from the executive director of human resources and Title IX Coordinator, Wenatchi Hall 2322M, 509-682-6445, title9@wvc.edu, or on our website at www.wvc.edu.

## Harassment

Racial harassment is defined as physical or verbal conduct that is maliciously intended to harass, intimidate or humiliate a person or persons on account of race, color or national origin and that causes severe emotional distress, physical injury, or damages or destroys the property of another, or threatens and places a specific person or group of persons in reasonable fear of harm.

Sexual harassment is a form of sex discrimination which involves the inappropriate introduction into the work or learning situation of sexual activities or comments that demean or otherwise diminish one's self worth on the basis of gender or sexual preference.

Students who feel that they are being harassed should report it to the executive director of human resources or, in the case of sexual harassment, email title9@wvc.edu.

Information on the formal complaint process is available on the WVC website or through the human resources office on the third floor of Wenatchi Hall.

## Student Records (FERPA)

The Family Educational Rights and Privacy Act (FERPA) of 1974, as amended (also sometimes referred to as the Buckley Amendment), is a federal law regarding the privacy of student records and the obligations of the institution, primarily in the areas of release of the records and the access provided to these records. Any educational institution that receives funds under any program administered by the U.S. Secretary of Education is bound by FERPA requirements. Institutions that fail to comply with FERPA may have funds administered by the Secretary of Education withheld.

FERPA has specifically identified certain information known as directory information that may be disclosed without student consent. WVC has designated the following information as directory information and will release this upon request, unless the student has submitted a request for non-disclosure:

- Student name
- Major field of study
- Enrollment status
- Dates of attendance
- Participation in recognized sports
- Degree or certificate earned
- Term degree or certificate awarded
- Honors

WVC does not publish a student directory. However, in compliance with the Solomon Amendment, WVC is required to supply student names, addresses, phone listings, date/places of birth, levels of education and degrees received to military recruiters if properly requested.

One exception of permitting disclosure without consent is disclosure to school officials with legitimate educational interests. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility. A school official is described as follows:

- A person employed by WVC in an administrative, supervisory, academic, research or support staff position.
- A person or company with whom WVC has contracted, such as an attorney, auditor or collection agent.
- A person serving on the board of trustees or a student serving on an official committee, such as disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

Upon request, WVC discloses education records without consent to officials of another school in which a student intends to enroll.

**Restricting Release of Directory Information**

According to FERPA, students can request that the institution not release any directory information about them. Institutions must comply with this request, once received, if the student is still enrolled.

If a student wishes to restrict directory information, they should realize that their name would not appear in the commencement bulletin and other college publications. Also, employers, loan agencies, scholarship committees and the like will be denied any of their directory information and will be informed that WVC has no information available about such a person at WVC.

If a student wishes to block the release of their directory information, they may do so by providing a written authorization to the registrar's office. Forms are available in the admissions/registration office. This authorization will remain in effect for only one year from the time it is signed. Students must provide WVC with a new authorization form each year they are enrolled if they wish to continue the block on their directory information.

**Students Rights Under FERPA**

FERPA affords students certain rights with respect to their education records. They are as follows:

- The right of the student to inspect and review their record within 45 days of the date that their request for access is received. Students can submit a written request to the registrar, identifying the record they wish to inspect. The registrar will make arrangements for access and notify them of the time and place where the record may be inspected. If the registrar does not maintain the record the student wishes to inspect or review, the student will be advised of the correct official to whom the request should be addressed.
- The right of the student to inspect the contents of a student's folder, regardless of their financial status with the institution. However, an institution is not required to release an official transcript if the student has a past debt to the college.
- The right of the student to request an amendment of their educational record if they believe it is inaccurate or misleading. The student may ask WVC to amend a record that they believe is inaccurate or misleading. The student may write to the registrar clearly identifying the part of the record to change and specifying why it is inaccurate or misleading. If WVC decides not to amend the record as requested, the student will be notified of the decision in writing and advised of their right to a hearing to consider the request for amendment. Additional information regarding the hearing procedure will be provided to the student when notified of the right to a hearing.
- The right to consent to disclosure of personally identifiable information contained in their education record, except to the extent that FERPA authorizes disclosure without consent. This refers to the student's right to allow others access to all or part of their educational record that would normally not be allowed under FERPA. A student can specify who is to receive the information and what portions of their educational record WVC is authorized to release. This authorization would remain in effect until the student notifies the admissions/registration office.

- The right to file a complaint with the U.S. Department of Education concerning alleged failure by WVC to comply with the requirements of FERPA. The Family Compliance Office will investigate each timely complaint. A timely complaint is defined as an allegation that is submitted within 180 days of the date of the alleged violation or of the date that the complainant knew or reasonably should have known of the alleged violation.

**Emergency Situations**

If non-directory information is needed to assist or resolve a crisis or emergency situation, an education institution may release that information if the institution determines that the information is "necessary to protect the health or safety of the student or other individuals." Factors considered in making this assessment are: the severity of the threat to the health or safety of those involved, the need for the information, the time required to deal with the emergency, and the ability of the parties to whom the information is to be given to deal with the emergency.

**Title IV Student Complaint Process**

The Higher Education Act prohibits an institution of higher education from engaging in a "substantial misrepresentation of the nature of its educational program, its financial charges, or the employability of its graduates" (20 U.S.C. §1094 [c][3][A]). Further, each state must have "a process to review and appropriately act on complaints concerning the institution including enforcing applicable State laws" (34 C.F.R. §600.9). The Washington State Board for Community and Technical Colleges maintains a process to investigate complaints of this nature brought by community and technical college students in the state of Washington. For more information, contact SBCTC Student Services Office, 360-704-4315.

# Academic Policies

## Student Records and Grades

### Changes to Name, Address, Phone Number or Email

To request a legal name change, students must submit a **completed Records Change Form** along with **official documentation** verifying the change (e.g., a government-issued ID such as a passport, driver's license, birth certificate, or U.S. Social Security card). The **WVC Records Change Form** is available on the WVC website www.wvc.edu or at the admissions/registration office.

The **legal name**, as it appears on official government documents, will be used on transcripts, diplomas, financial aid records, student accounts, certification documents, student employment records, and immigration/SEVIS documentation. **Preferred names will not be used** in these official records.

Students may update their **address, phone number(s), or email address** in one of two ways:

- By completing and submitting the **Records Change Form** (must be signed and submitted by mail, fax, or in person), or
- By logging into **ctcLink** via the **Student Homepage** on the WVC website. Students will need their **ctcLink ID** to access the system.

### Grades and Grade Policy

WVC does not mail out grades to students at the end of each quarter. To access grades, use the Transcript function in ctcLink.

*Note: Financial aid eligibility and veterans' benefits may be affected by the application of some of these policies (e.g., withdrawal from class, incomplete grade, auditing a class, etc.). Students should contact the financial aid office and their advisor if they are considering a change in their class schedule.*

Grades used in computing grade point average are:

| Grade | Point Value |
|---|---|
| A | 4.0 |
| A- | 3.7 |
| B+ | 3.3 |
| B | 3.0 |
| B- | 2.7 |
| C+ | 2.3 |
| C | 2.0 |
| C- | 1.7 |
| D+ | 1.3 |
| D | 1.0 |
| F | 0.0 |

Grades not used in computing grade point average are:

| Grade | Value |
|---|---|
| P | Pass |
| Y | Work in Progress |
| W | Withdrawal |
| N | Audit |
| I | Incomplete |
| NP | No Pass |
| * | Removed Grade/Missing Grade |

*"Pass" definition: a grade of "C" or higher earns a pass; a lower grade earns a no pass or an F.*

#### Calculating GPA

GPA is calculated by dividing the total number of grade points earned by the total number of credit hours completed. Here's an example:

Class #1 5 credits. Grade is an A (value of 4.0). Grade points=5x4=20

Class #2 4 credits. Grade is a B (value of 3.0). Grade points=4x3=12

Class #3 5 credits. Grade is a C (value of 2.0). Grade points=5x2=10

This is a total of 14 credits and 42 grade points. Therefore, the GPA would be: 42 grade points/14 credits =3.0

#### Grade Change

A change of grade must be executed within two quarters, excluding summer, after the grade is earned. Initiating a grade change is the student's responsibility. The course may still be repeated for a different grade after the deadline for grade changes has passed. Contact the instructor to discuss the process for grade changes.

#### Pass/Fail

Students may enroll in classes on a pass/fail basis by submitting a written request to the admissions/ registration office by the 10th day of the quarter. Students who complete these courses satisfactorily receive a "P" on their transcripts. Students who fail to complete the courses satisfactorily receive an "F."

Running Start students may not request enrollment on a pass/fail basis.

Students are cautioned against taking courses in their major or minor on a pass/fail basis. In most cases, a maximum of 10 pass/fail credits may be applied toward degree requirements at WVC.

**Work in Progress**

The "Y" designation indicates that a student is registered in an ongoing class. It is not to take place of an "I" grade (Incomplete). It may be used where the pace of work is largely dependent on the student in courses such as independent project classes or open laboratory/classes. It may be used in emergency situations where a class is not able to continue to function as it originally was created to do so. If the student does not complete the class within one year, they must re-enroll if they want credit.

**Withdrawal**

A "W" designation indicates that a student has withdrawn from a class. The last day to withdraw from classes each quarter is specified on the official student calendar. Complete information on withdrawing from a class is available in the admissions/registration office.

Instructors may choose to administratively withdraw a student who does not attend the first two days of class, but the responsibility of withdrawing still lies with the student. Students should not assume an instructor will withdraw them for not attending class. When in doubt, students should check ctcLink to determine if they are still registered for the class or contact the admissions/ registration office. Failure to formally withdraw from class will normally result in a failing grade. Students can withdraw through the Registration function in ctcLink. Students can also submit a Course Change form, available in the admissions/registration office.

**Military Withdrawal**

Students submitting proof of being called into military service may receive credit and/or refund of fees as follows:

- A full refund will be made upon receipt of call-up notification letter and a "W" grade will be recorded,

***OR***;

- Students may receive an "I" or "Y" with approval from the instructor(s) and no refund will be made or the vice president of student affairs may grant a degree prior to induction into the armed forces. No refund will be made.

**Audit**

The "N" designation indicates that a student has elected to take a class with the understanding that no credit will be earned and no grade given. If a student chooses to audit a class, they do not have to take the tests, but the instructor may require reasonable attendance and class participation. Full tuition and fees are charged for classes taken on an audit basis. Changes from credit to audit are permitted until the end of the 35th day of instruction. The instructor's written approval is required after the fifth day of instruction. The student will need to turn in a completed Course Change form, with the instructor's signature, to the admissions/registration office to change a class to an audit status.

**Incomplete**

Incompletes are to be made up according to a signed agreement between the instructor and the student. It is the responsibility of the student to initiate the agreement. Assigning an incomplete grade is subject to the following conditions:

- The student has substantially fulfilled the requirements of the class.
- The student is passing the class at the date of the request of the incomplete grade.
- The student is able to fulfill the remaining requirements for the course without further classroom attendance.
- The date of last attendance is accurately recorded on the Contract for Incomplete form.

Two quarters (180 days) maximum are allowed to complete this contract. If the incomplete is not made up by the end of this time, it will be converted to an "F" grade. To obtain credit for this course after the deadline, the student must re-register for the course and complete the requirements in the normal manner.

**Pass/No Pass**

The "P" or "NP" designation may be given in developmental and some prior learning assessment courses. A "C" grade earns a "pass"; anything lower earns a grade of "no pass."

**Repeating a Course**

Courses may be repeated to improve a grade; however, credit is only awarded once. A course may be repeated up to **two times total**, including the original enrollment, unless the WVC Catalog course description specifically states that the course is repeatable for credit.

All grades earned in repeated courses will remain on the transcript. To repeat a course, students must re-register and pay any applicable tuition and fees. Some programs may have additional restrictions, so students should consult their specific program for detailed policies.

Repeat courses must match the **same department, course number, and credit level,** except when the college has changed the department or course number. All repeated courses must be completed at **Wenatchee Valley College**.

Once a repeat is processed, a notation will appear on the transcript. If a course is repeated more than once, only the **highest grade** will be used in the **GPA calculation**. The college automatically updates student records to reflect repeated courses.

This repeat policy does **not apply** to grades marked **P, Y, W, N, I, NP, or** *, as these are not included in GPA calculations.

Students **cannot apply the repeat indicator** to courses that have already been used to meet degree or certificate requirements.

**Note:** Repeating courses may affect students' financial aid eligibility. For more information, visit the Financial Aid Policies page at www.wvc.edu/financialaid.

**Student Record Retention**

Records pertaining to student activities related to admissions and registration (i.e., WVC transcripts and grades, schedule changes, graduation, etc.) are to be maintained per the General Retention Schedule supplied by the Washington State Board for Community and Technical Colleges. In many cases, WVC's practice for record retention exceeds the minimum requirements set forth in the state Retention Schedule.

**Honors**

A president's list and a dean's list are compiled at the end of each quarter to recognize outstanding student achievement. Honorees are announced publicly. In order to qualify, you must meet the following criteria:

- Earn at least 12 credits in courses numbered 100 or above. ("I," "P," "NP" and "Y" designations do not count toward the 12-credit minimum.)
- Earn a 4.0 GPA for the president's list.
- Earn a 3.5 - 3.99 GPA for the dean's list.

Honors are listed at graduation for students with a cumulative GPA of 3.5 or higher.

If the student carries at least 12 credit hours and has a cumulative GPA of 3.5 or higher, they are eligible to join the local chapter of Phi Theta Kappa, the national community college honor society. Phi Theta Kappa encourages scholarship, leadership and service. Members of Eta Rho (Wenatchee campus) and Alpha Kappa Eta (Omak campus) are active at the local, state, regional and international levels.

**Academic Standards Procedure**

The Academic Standards Procedure at WVC has been established to ensure that the college resources are used in the best interest of all current and future students. The procedure helps to ensure that students with academic difficulties are made aware of the many educational resources available to them. Students are encouraged to assume responsibility for their own academic progress.

The three levels of unsatisfactory academic performance are Warning, Probation and Suspension.

**Academic Warning**

A student attempting six or more graded credits will be placed on Academic Warning when their cumulative GPA falls below 2.0. Students on Warning status will receive a letter advising them of their academic standing. Students will remain in this status until their cumulative GPA is 2.0 or higher.

**Academic Probation**

If a student who is on Academic Warning attempts six or more graded credits for a second time, and their quarterly GPA falls below 2.0, the student will be placed on Academic Probation. Students on Academic Probation will receive a letter informing them of their academic standing. Students on probation will have a registration hold placed on their accounts. They will be unable to make changes to their class schedule for the current quarter and will be unable to register for future quarters until they have met with their advisor and completed the probation form. Students will remain on Probation status until their cumulative GPA is 2.0 or higher.

**Academic Suspension**

If a student on Academic Probation attempts six or more graded credits, and their quarterly GPA falls below 2.0, they will be placed on Academic Suspension. Students on Academic Suspension will receive a letter informing them of their academic status. Suspended students will be dropped from any classes they are enrolled in for the upcoming academic quarter(s). Students returning from Academic Suspension will be required to complete the following:

1. Submit a completed petition for readmission form to the student affairs office.
2. Complete a readmission interview with a counselor. During the interview, the student should be prepared to:
    - Identify the reasons for poor academic performance.
    - Present a plan for eliminating the factors contributing to poor academic performance.
    - Review educational goals.
    - Present an educational plan that includes proposed course schedules for the next one to three quarters and how those courses relate to an educational goal.
3. Be reinstated by the college.

**Academic Forgiveness**

If a student stops attending WVC while on Academic Warning, Probation or Suspension status, they will remain at that level for a period of at least three years (or 12 academic quarters). If during that time they have not returned to WVC, their student records will be updated to remove them from their previous academic deficiency status. If upon the student's return, their cumulative GPA is still below 2.0 after completion of their returning quarter, they must adhere to the Academic Standards procedure.

**Academic Regulations Committee (ARC)**

Petitions for waivers of college policies are initially reviewed by the WVC Registrar. Such petitions may include, but are not limited to:

- Late changes in class status (i.e., credit to audit, past quarterly deadline withdraw)
- Set aside of low grades from the two previous quarters
- General inquiries not specified by a specific petition
- Taking more than 21 credits in one quarter
- Readmission

After reviewing the petition, the registrar will make a ruling on the petition or forward it to the appropriate WVC administrator for further review/ruling. Petitions for readmission after an academic suspension are reviewed by a WVC counselor.

All petitions must be in writing and submitted on the appropriate form, available through the admissions/ registration office.

After the initial decision on a petition is made, the student can appeal this decision to the WVC Academic Regulations Committee. Filing for an appeal is completed through the student services office.

All appeals must be in writing. Petitioners may appear in person before the committee but are not required to do so. It is the responsibility of the student to be fully aware of the policies and procedures that govern a specific program in which the student is seeking enrollment or is currently enrolled.

**Plagiarism**

Matters of academic dishonesty, such as cheating or plagiarism, are referred to the chief student affairs officer or designee. More information on plagiarism and the WVC Discipline Code is detailed in the student handbook that is available online at www.wvc.edu.

**Transcripts**

A transcript is the official documentation of a student's educational record. Transcripts are released only if a student has submitted an authorization for release of the transcript. Official transcripts can be ordered online through our partnership with Parchment. There is a fee for this service. If you have any questions, call 509-682-6836 or email transcripts@wvc.edu

An unofficial transcript is an unsigned and unsealed copy of the student's record and is used primarily for advising purposes. Visit Transcripts | Wenatchee Valley College to learn more and how to obtain the official or unofficial transcript.

WVC does not release transcripts from high schools or other educational institutions. Transcripts from other institutions submitted during the admissions process are part of the student's official file and will not be returned to the student

**Transcript Evaluations**

Students may request an evaluation of their incoming transfer credits. It is important for students to do so to verify how far along they are in earning their degree or certificate and what classes they have left to take.

When an evaluation is being done, credits from WVC will be evaluated first, then any transfer credits from other colleges (if accepted), and then any non-traditional (non-graded) credits. If a student has attended another college, it is important to have official copies of those transcripts sent to WVC before requesting an evaluation. A maximum of 60 credits from regionally accredited colleges and universities may be applied toward a WVC degree, meeting either requirements or electives, at the discretion of the credential evaluator, dean or program director.

WVC can do an evaluation with unofficial transcripts for advising purposes, but the student must have an official copy of these transcripts on file if they want to use credits from other colleges toward a degree at WVC.

A student can run an audit of their current academic record against any degree or certificate listed for WVC. To view progress toward graduation, visit ctcLink for an Academic Advisement Report. If a student has questions about their evaluation, they should speak with their faculty advisor. To request an incoming transfer credit evaluation, students should complete the evaluation request form.

Visit www.wvc.edu for additional information.

**Transfer Credits**

A maximum of 60 credits from regionally accredited colleges and universities may be applied toward a WVC degree, meeting either requirements or electives, at the discretion of the credential evaluator, dean or program director. The following is a list of those organizations that grant regional accreditation in the United States:

- Middle States Association of Colleges & Schools
  Middle States Commission on Higher Education
- New England Association of Schools & Colleges
  Commission on Institutions of Higher Education
- New England Association of Schools & Colleges
  Commission on Technical & Career Institutions
- North Central Association of Colleges & Schools
- The Higher Learning Commission
- Northwest Commission on Colleges & Universities
- Southern Association of Colleges & Schools
  Commission on Colleges
- Western Association of Schools & Colleges
  Accrediting
  Commission for Community Colleges
- Western Association of Schools & Colleges
  Accrediting
  Commission for Senior Universities

Transfer credit is not awarded for the following types of coursework: (1) courses taken at colleges that are not regionally accredited, (2) non-credit courses and workshops, (3) remedial or college preparatory courses (i.e., student orientation classes), (4) sectarian religious studies.

Transfer courses with less than a "D" grade (or 1.0) cannot be used to satisfy a graduation requirement.

Upper division courses (usually numbered 300-400) will only be applied toward an associate degree distribution area if a similar course exists at WVC, or on a case-by-case basis. The registrar may allow some other upper division courses to be used as restricted electives, depending on the nature of the course work. If you are transferring to one of our four-year programs upper division courses may be used at the discretion of the program director.

Credits from semester schools are multiplied by 1.5 to convert them to quarter credits. For example, 2 semester credits = 3 quarter credits, and 3 semester credits = 4.5 quarter credits.

If a student has attended colleges and/or universities outside of the U.S., they must provide their transcripts and an evaluation of those transcripts by a qualified evaluation agency. The student should request a course-by-course evaluation to maximize the credit that may be transferred to WVC. A list of foreign education credentials services is available through the admissions/registration office. The student should also submit course descriptions, as they are often not available online.

These policies are available under Policies on the WVC website at www.wvc.edu or from the student affairs department.

**Emergency Messages**

Individual messages: A message will be delivered to a student during a class in case of a medical emergency. The delivery of more routine messages of a non-emergency nature cannot be accommodated. Requests to deliver an emergency message should be made to the admissions/registration office.

Other emergency messages: The general public will be notified of any changes from normal college operations through local radio stations and newspaper websites, the WVC home page (www.wvc.edu) and WVC Facebook page, and through emergency text alerts for those who have signed up for this service. If a message regarding college operations is not sent or posted, assume that the college is operating on its normal schedule. To sign up for emergency text alerts, visit www.wvc.edu/emergency/.

**Public Disclosure**

Wenatchee Valley College makes the following information available to the general public at www.wvc.edu/PublicDisclosure, as required by state and federal laws and/or college policy:

- Affirmative Action
- Annual Security Report (Clery Act)
- Annual Public Notice of Career and Technical Education Opportunities
- Federal Educational Rights & Privacy Act (FERPA)
- Gainful Employment
- Non-discrimination statements for publication

- Privacy Statement
- Public Records Request
- State Support of Higher Education Students (2013-14)
- Student Programs Service and Activities (S&A) Fee Funding
- Student Right to Know - Graduation and Transfer Rates
- WVC Facilities Master Plan
- WVC Policies and Procedures
- Clery Act crime statistics
- Annual fire safety reports
- Violence Against Women Act
- Financial reports

### Other Policies

- Drug-Free Workplace
- Equal Opportunity
- Freedom of Inquiry and Expression

# Student Information

## Student Services

Information about Wenatchee Valley College services available to students can be found on the college website, www.wvc.edu. If a student does not have access to our website or needs personal assistance, student services staff members are available to help them.

### Bookstore

Books for both campuses can be found at eCampus Online Bookstore. To purchase books online for courses on either campus, visit www.wvc.edu/bookstore. Phone: 509-682-6532

### Cafeteria

The cafeteria in Van Tassell Center on the Wenatchee campus features an outdoor dining area, great menu selections and a comfortable space for students to gather.

### Career Services

Guided by our belief in the benefits of education, the WVC Counseling and Support Services team provides students with the tools and resources to successfully navigate the academic world. Career Services in Wenatchi Hall offers a broad range of information and assistance for jobs/careers, education/training requirements, job hunting techniques, employment opportunities, transfer guidance and career assessments. Make an appointment by calling 509-682-6850 or emailing careerservices@wvc.edu.

### Child Care

Through a partnership with Chelan Douglas Child Services, WVC and the Wenatchee School District, affordable child care services are available on the WestSide High School campus, located at 1510 Ninth Street. The program provides quality, licensed child care to children from six weeks through five years of age while students attend class, study and work. This program is provided by CDCSA with funding from the state funded Early Childhood Education Assistance Program (ECEAP) and CCAMPIS (Child Care Access Means Parents in School) federal grant. Phone: Wenatchee, 509-663-5179.

### College Assistance Migrant Program (CAMP) is currently **suspended due to federal funding**.

The College Assistance Migrant Program (CAMP) provides academic and financial support services to students from migrant and/or seasonal farmworker backgrounds in their first year of college. CAMP collaborates with campus faculty and staff, student services and community-based agencies to improve educational opportunities for students to have a strong foundation to build upon as they work toward a degree.

The program is 100% funded by the U.S. Department of Education, Office of Migrant Education.

For the most up to date information, visit www.wvc.edu/camp or call 509-682-6974.

### Counseling

WVC's professional counselors can help by providing a safe, confidential place where students can explore their concerns and discover new strengths, insights and ways of coping. Counseling services include academic counseling, readmission petitions, career, financial and personal counseling. Counseling services also provide emergency funding and the Knights Kupboard food bank for students in need of food or supplies. To schedule an appointment with a counselor, or for more information about using the Knights Kupboard, please call 509-682-6850 for Wenatchee, or 509-422-7803 for Omak.

### Disability Services/Student Access

Students with documented disabilities who require special accommodations or services should contact the student access coordinator at 509-682-6854 or sas@wvc.edu.

### Library

Full-service library/media centers are located on both the Wenatchee and Omak campuses.

Visit www.wvc.edu/library for their extensive services. Phone: Wenatchee, 509-682-6710, or Omak, 509-422-7830.

## Mathematics, Engineering, Science Achievement (MESA)

The Mathematics, Engineering, Science Achievement (MESA) program advocates for education, equity, and access in science and engineering. MESA offers academic and professional support services to students who plan to transfer to four-year universities in science, technology, engineering, and mathematics (STEM) majors. In collaboration with industry partners, government institutions and community organizations, MESA creates tangible opportunities for students who are eligible to receive financial aid. To learn about eligibility, services, and to apply, visit wvc.edu/MESA or call 509-682-6583.

## On-campus Health Clinic

An on-campus Columbia Valley Community Health health clinic is available at WVC. It is operated by certified personnel of CVCH. Appointments and walk-ins are welcome. Most insurances are accepted. For more information, visit cvch.org or call 509-662-6000. The clinic provides care and services, including, but not limited to:

- Behavioral Health
  - Depression and anxiety
  - Mindfulness-based interventions
  - Couples, families, and relationships
  - Intrusive thoughts and rumination
  - Solution-focused therapy
  - Trauma
  - Person-centered therapy
  - Positive psychology

## Placement

Before signing up for classes, all degree-seeking students must submit documentation for placement into math and English classes or take the placement test. Students should visit www.wvc.edu/placement to take the Pre-Placement Questionnaire to help determine if they need to take a placement test or if they have other documentation that can place them into classes. Students will also find study materials and test sign-up instructions on the website. Phone: Wenatchee, 509-682-6830, or Omak, 509-422-7810. Email: placement@wvc.edu or omakplacement@wvc.edu.

## Residence Hall

Located on Fifth Street across from the Wenatchee campus, the WVC Residence Hall is within walking distance of grocery stores, shopping areas and downtown Wenatchee. Bus access is available next to the parking lot. Students with current WVC student identification may ride for free. Learn more at www.wvc.edu/Housing or contact the residential life manager at 509-682-6706.

## Safety and Security

Safety and security of the campus environment is a priority for WVC. Policies and procedures are in place to protect people and property, and to promote the prevention of crime. The college cooperates with law enforcement and other emergency responders to prepare for various emergency situations through information sharing, combined training and practice drills.

Employees, students and campus visitors are all responsible for maintaining a safe environment by respecting security procedures and reporting concerns as they happen. For the Wenatchee campus, any person who has a safety concern can call ext. 6911 from any campus phone, or 509-423-3705 from a non-campus phone. In an emergency, dial 911. On the Omak campus, report security concerns during business hours by calling 509-422-7820 and after 5 p.m. by calling 7911 on a campus phone or 509-422-7911 from an off-campus phone. In an emergency, call 911. Contact phone numbers and other emergency information are posted in numerous places on both campuses.

The college incident report form can be used to report any event of concern. The form is available at www.wvc.edu/behavioralintervention. Additional safety information can be found at www.wvc.edu/Security. Some of this information has been adapted from the Bethany College website, www.bethanywv.edu/students/safety-and-security.

The WVC Bias Incident Response Team (BIRT) can connect students with resources and support to address bias-related incidents that may interfere with their academic success. Visit wvc.edu/bias to learn more or to report bias-related incidents.

## Student Recreation Center

The Student Recreation Center is Wenatchee Valley College's resource for students, faculty, and staff to work out and participate in recreational activities, wellness classes, intramural sports, and outdoor activities on campus and within the community. This building was made possible by the Associated Students of WVC to provide a greater variety of recreational activities for students. All currently enrolled students have full gym access to the facility. To learn more about the Student Recreation Center visit www.wvc.edu/StudentRec, call 509-682-6943, or email studentrec@wvc.edu

### Study Abroad

WVC is a member of the Washington State Community College Consortium for Study Abroad (WCCCSA), which organizes study abroad opportunities for community college students around the state of Washington. Students can choose to study abroad for one quarter in countries like Spain, Germany, France and England, or for three or four weeks in places like Costa Rica or Morocco. While studying abroad, students earn credit toward their degrees while enhancing cross-cultural communication skills. Visit www.wvc.edu/studyabroad or call 509-682-6830 or email studyabroad@wvc.edu to schedule an appointment with a study abroad coordinator.

### TRIO Student Support Services (SSS)

The TRIO SSS program provides low-income, first- generation college students and students with disabilities the valuable support and services needed to succeed and persist towards graduation and transfer. TRIO SSS serves to motivate, retain and help students accomplish their goals by offering comprehensive individual support. To learn more about TRIO SSS and eligibility requirements, visit wvc.edu/trio, call 509-682-6978 or email trio@wvc.edu.

### Tutoring Services

Tutoring services and their hours of operation are available at www.wvc.edu/tutoring.

### Veteran Services

WVC is proud to support veterans and all military-connected students as they return to school, by providing resources for success and connection with other student veterans. A full-time VA School Certifying Official is available to both Omak and Wenatchee campus students. A private study space is located on the Wenatchee campus, as well as student club opportunities (the Veteran Knights) for fellowship and community service. More information is available at www.wvc.edu/veterans Phone: 509-682-6817. Email: veterans@wvc.edu.

# Student Life

Students at WVC have many opportunities to participate in programs and activities outside of the classroom, including student government, clubs, organizations and athletics. For more information on what is available, visit www.wvc.edu or contact the WVC Student Life office in Van Tassell Center at 509-682-6860 or in the student resource center in Omak at 509-422-7810. Athletic events may be found at www.gowvc.com.

### Associated Students Of Wenatchee Valley College

The ASWVC is a self-governing student organization that functions according to the policies and regulations adopted by the WVC Board of Trustees. The ASWVC Student Senate sponsors the majority of all student events, activities, and projects. The student senate also liaises between students and the college administration and faculty regarding activities, student clubs, and policies.

ASWVC also supports the diverse assortment of student clubs on the Omak and Wenatchee campuses. Clubs and organizations provide excellent opportunities for social connections, networking, stress relief, skill building, professional development, and much more. Clubs range from academic-focused missions to purely recreational in nature. If WVC does not have a club a student is looking for, the Student Life department can assist in creating a new student club.

### Student Recreation Center

The Student Recreation Center (SRC) is Wenatchee Valley College's resource for students, faculty, and staff to work out and participate in recreational activities, wellness classes, intramural sports, and outdoor activities. The SRC provides various equipment, programs, classes, intramurals, and outdoor recreation programs to promote active and healthy bodies.

### Office of Diversity, Equity and Inclusion

The college's Office of Diversity, Equity, and Inclusion offers various support services, including assistance in achieving academic success, building community, and opportunities for student leadership development. The office also has programs and events that promote appreciation and awareness of different cultural, spiritual, and gender identities. The Wenatchee campus has a student space in Van Tassell that is open to all students. Phone: Wenatchee, 509-682-6865, or Omak, 509-422-7814.

# Student Code of Conduct

The Washington State Community and Technical College system developed a standard code of conduct. Refer to the WVC website for the most current version of the Code of Conduct. For more information visit www.wvc.edu.

# Rules of Conduct

## Purpose

The student conduct code shall apply to student conduct that occurs on college premises, to conduct that occurs at or in connection with college sponsored activities, or to off campus conduct that in the judgment of the college adversely affects the college or the pursuit of its objectives. Jurisdiction extends to, but is not limited to, locations in which students are engaged in official college activities including, but not limited to, foreign or domestic travel, activities funded by the associated students, athletic events, training internships, cooperative and distance education, online education, practicums, supervised work experiences or any other college-sanctioned social or club activities. Students are responsible for their conduct from the time of application for admission through the actual receipt of a degree, even though conduct may occur before classes begin or after classes end, as well as during the academic year and during periods between terms of actual enrollment. These standards shall apply to a student's conduct even if the student withdraws from college while a disciplinary matter is pending. The college has sole discretion, on a case by case basis, to determine whether the student conduct code will be applied to conduct that occurs off-campus.

Wenatchee Valley College students are both citizens and members of the college community. As citizens, students shall enjoy the same freedoms that other citizens enjoy. As members of the college, they are subject to those responsibilities which accrue to them by virtue of this membership.

Admission to Wenatchee Valley College carries with it the expectation that students will conduct themselves as responsible members of the college community, that they will comply with established rules and regulations of the college, maintain high standards of honesty and integrity, and respect the rights, privileges and property of other members of the college community.

Wenatchee Valley College expects that students will conform to the laws of the greater society and regulations established to assure the orderly conduct of the affairs of the college.

The student is at once a member of the community at large and the college community. As such, the student is subject to the rights, responsibilities, laws and regulations of each community and accountable to both.

To accomplish these purposes, the college is governed by rules, regulations and procedures designed to safeguard its functions and protect the rights and freedoms of all members of the college community.

The following are examples of misconduct that is subject to disciplinary action. See the online WVC Student Code of Conduct for more details on other misconduct and the disciplinary process.

## Plagiarism/Cheating

Plagiarism is defined as the buying, borrowing or stealing of written material for the purpose of fulfilling or partially fulfilling any assignment or task required as part of the student's program of instruction at the college. Any student who plagiarizes shall be subject to disciplinary action. Plagiarism includes taking and using as one's own, without proper attribution, the ideas, writings or work of another person in completing an academic assignment. Prohibited conduct may also include the unauthorized submission for credit of academic work that has been submitted for credit in another course. Any student who aids or abets the accomplishment of such activity as defined above shall also be subject to disciplinary action. An instructor may take reasonable action against any student who is deemed to have been guilty of plagiarism or cheating.

## Abusive Language

Any student who uses abusive language towards any person while on college facilities or participating in college-related programs may constitute disorderly conduct and shall be subject to disciplinary action. Examples of abusive language may include but are not limited to, maligning, coarse insulting speech, use of lewd, indecent and/or obscene language.

## Disorderly Conduct

Any student whose conduct obstructs or disrupts educational processes or other activities of the college shall be subject to disciplinary action. In the case of disorderly conduct in the classroom, the instructor may take reasonable action against any student and recommend disciplinary action by the vice president of student affairs.

## Sexual Harassment

Students must abide by the college's Sexual Harassment Policy. Any student who engages in behaviors such as unwelcome sexual advances, requests for sexual favors and other verbal or physical conduct or written communication of a sexual nature directed toward another person shall be subject to disciplinary action. If you have experienced or witnessed sexual harassment or sexual violence, please report it to the Title IX Coordinator at 509-682-6445 or to a faculty or staff member on campus.

## Malicious Harassment

Any person is guilty of malicious harassment if a person maliciously and with intent to intimidate or harass another person because of, or in a way that is reasonably related to, associated with, or directed toward that person's race, creed, color, religion, gender identity, sexual orientation, ancestry, national origin, age, marital status, or mental, physical, or sensory handicap, and/or disabled veteran status may be subject to disciplinary action. Another person shall be subject to disciplinary action.

## Computer Trespass

Any student that violates college information, without authorization, intentionally gains access to a computer system or electronic data owned or used by Wenatchee Valley College shall be subject to disciplinary action according to the college's Information Resources Acceptable Use Policy and 9A.52.110 RCW through 9A.52.130 RCW.

## Computer Use Policy

This policy governs the use of computer labs on campus. These labs include the library and any other instructional areas that have student access to computers. Violations can be subject to prosecution and/or loss of student access to computer labs.

- Labs are open only to registered students of WVC and those covered through cooperative agreements.
- Students may not modify, reconfigure or tamper with any computer hardware or software, nor may they attempt to gain unauthorized access to any computer network. Attempting unauthorized access to computer networks is a violation of both state and federal laws.
- Intentionally introducing a computer virus into any Wenatchee Valley College computer system is a violation of both state and federal laws.
- First priority is given to classes that have scheduled time in the lab. Second priority is given to students doing homework and research for currently enrolled classes. Lowest priority is given to students "surfing the net" or other non-instructional activities. A student may be requested to give up a position to another student with higher priority and, depending on demand for services, a time limit may be imposed.
- Printouts are limited to academic work. Printing limits will be determined as is necessary for each lab. These limits will be clearly marked and enforced. Failure to comply with set printing limits may result in the loss of computer lab access.
- Any use of the computers in Wenatchee Valley College labs must comply with the State of Washington's Community and Technical College Network Acceptable Use Policy. Accessing or posting obscene, abusive or highly offensive material is not allowed.

## WVC Network (CTCNET) Acceptable Use Policy

Internet access for students and employees of WVC is provided through the state of Washington Community and Technical college network (CTCNet). In as much as this network is provided by the state for the purposes of education of students and business of the college, its use is restricted to activities that improve student learning, build overall system efficiencies, maximize accessibility of the internet and eliminate inappropriate traffic over the interconnected networks. As such, the following Acceptable Use Policy from the State Board of Community and Technical Colleges-Information Technology (SBCTC- IT) is in effect:

- Use of CTCNet shall be solely for the purpose of facilitating the exchange of information in furtherance of education and research, and otherwise be consistent with the purposes and objectives of the State of Washington Community and Technical Colleges and the State Board for Community and Technical Colleges.
- CTCNet shall not be used to transmit any communication in any form (e.g. text, images, sound) where the content and/or meaning of the message or its transmission or distribution would violate any applicable law or regulation.
- CTCNet shall be used solely for business related activities carried out in a professional and ethical manner in the normal course of business and shall not be used for personal reasons to transmit any communication in any form.
- Users of CTCNet shall promote efficient use of the public networks to minimize, and avoid if possible, creating congestion within or upon the networks thereby interfering with the work of other users of the networks. Further, users of CTCNet services shall respect the rights and property of all others and shall not improperly access, misappropriate or misuse the information/ files of other users.
- CTCNet shall not be used for commercial purposes. Advertising of commercial offerings is forbidden.
- When using CTCNet for accessing sources beyond the CTCNet itself, users shall apply the CTCNet Acceptable Use Policy while navigating through and making use of those networks.
- With advice/recommendations from the Internet Information Group (IIG) and the Standing Advisory Committee (SAC), the SBCTC-IT is responsible for the modification and distribution of this Acceptable Use Policy.

- Withdrawal of use privileges because of violations of this policy is the responsibility of the college or other agency which authorized that individual's use of CTCNet and could result in discipline and/or termination of employment.
- WVC is not responsible internally for use of the internet by students and staff. Any violation by a WVC computer user of the above Acceptable Use Policy will result in the revoking of internet connection privileges for that user and reporting of that violation to the appropriate dean or to the president of the college.

# Memorandum Of Understanding

## Student Rights/Responsibilities - Washington Online Virtual Campus

Students served by the Washington Online Virtual Campus will follow the policies and procedures that govern student conduct, disciplinary procedures and procedures for resolving conflicts regarding student conduct which are in place at the enrolling college. Washington Online Virtual Campus students are responsible for being familiar with the student rights and responsibilities and code of conduct of the enrolling college. Jurisdiction and authority for discipline of students served by the Washington Online Virtual Campus will rest with the enrolling college; however, administrators and faculty of the teaching college and/or Washington Online Virtual campus staff may be included in investigations prior to final decisions regarding a discipline situation. All appeals will be handled according to the policies of the enrolling college.

## Disciplinary Action

Any student violating any provision of the Rules of Student Conduct will be subject to discipline. Sexual harassment violations will follow policy and procedures located on the WVC website and are a separate process.

## Student Participation in College Governance

Wenatchee Valley College recognizes the special role that students play in the development and maintenance of student programs. Students shall be represented by the recognized student governmental organization (ASWVC). New ASWVC members are elected each May for the following academic year. Please visit the student senate office for more information about elected positions and election dates. More information can be found in the ASWVC constitution and bylaws which are posted online.

## Student Right to Know

509-682-6450 (Wenatchee/Omak)
In compliance with the Jeanne Clery Disclosure of Campus Security Policy and Crime Statistics Act, information concerning campus disciplinary procedures and campus crime statistics for the most recent three-year period can be found online at www.wvc.edu/safety or can be requested from the vice president of administrative services office, Wenatchee Valley College, 1300 Fifth St, Wenatchee, WA 98801. Information concerning registered sex offenders in the Wenatchee Valley can be obtained at www.wvc.edu/parents and the Chelan County Sheriff's Office at www.co.chelan.wa.us/sheriff/pages/resources-sheriffs-office? or go to ml.waspc.org. For information concerning all Washington counties on the Washington State Sex Offender Information Center's website, any questions can be directed to the Chelan County Sheriff's Office at 509-667-6841.

# Student Rights and Responsibilities

To improve our college learning environment, all students are asked to work together to promote positive, respectful interactions on our campus. The following "Rights and Responsibilities" suggests the kinds of mutually respectful behaviors that create a healthy learning environment.

Each student has the right to expect a campus climate in which all students:

- are given the opportunity and encouragement to succeed
- are treated with dignity and respect
- demonstrate good manners and courtesies
- are safe from sexual harassment and discrimination
- are free to ask for help, anytime

In addition to rights, each student has a responsibility to:

- support a learning environment that provides opportunities for all students to succeed
- prepare mentally and physically to be the best they can be
- treat all students and staff with dignity and respect
- exhibit good manners and common courtesies at all times
- serve as a positive role model for less experienced students
- respect the property and space of others
- help keep the campus litter free
- refrain from swearing and using any inappropriate communication

- read and abide by the college rules in the student handbook
- be accountable for your own actions

# Degrees and Programs

## Learning That Lasts

### Educational Programs

Wenatchee Valley College is a comprehensive community college that provides transfer, liberal arts, professional/technical, basic skills and continuing education classes and programs.

### Degree and Certificate Programs

The following pages summarize degrees and certificates offered at WVC:

- Bachelor of Applied Science Degrees
- Bachelor of Science Degree
- Associate in Arts and Sciences-Direct Transfer Degree/MRP (AAS-DTA)
- Associate in Science-Transfer (AS-T) Degree
- Associate in Business-Direct Transfer Degree/MRP
- Associate in Nursing-Direct Transfer Degree/MRP
- Associate in Applied Science-Transfer Degree
- Associate of General Studies Degree
- Associate of Technical Science Degree
- Certificate of Completion

### Transitional Studies

WVC offers a wide range of educational opportunities designed to prepare students for college-level classes. These include adult basic education, English language acquisition, English for academic purposes, high school equivalency preparation, high school diploma courses and developmental education. Some classes are available at off-campus locations with open enrollment options. For more information about basic skills and transitional programs, call 509-682-6790.

## General Education Outcomes and Abilities

Every program of study at WVC gives students the opportunity to develop abilities that will carry through to future learning or vocational application. The purpose of this general education is for students to master competencies for independent learning and to develop an awareness of the fundamental areas of knowledge. What degree and certificate holders know and can do reflects on our students and on our integrity as an institution. We specifically build these general education outcomes into all of our programs of study that lead to degrees and certificates in both transfer and professional/technical areas.

At a minimum, students who complete a transfer degree should be able to communicate effectively and will be introduced to the content and methodology of the major areas of knowledge – humanities, fine arts, natural sciences, mathematics, and social sciences. Students in professional/technical programs will have completed a body of instruction in communication, computation and human relations in addition to acquiring their technical competencies.

### Student Learning Outcomes

Through the course of pursuing degrees and certificates from WVC, successful students should be skilled in:

**Problem solving:**

- Critical Thinking
- Creative Thinking
- Quantitative Reasoning
- Qualitative Reasoning

**Communication:**

- Oral Expression
- Written Expression
- Artistic Expression

**Social interaction:**

- Collaboration
- Ethical Conduct
- Professional Conduct
- Cultural Diversity

**Inquiry**

- Information Literacy
- Research
- Documentation

At WVC, we intend to go well beyond the minimum. The vision statement of WVC says, in part, that we are engaged in “transforming lives.” Therefore, the faculty has developed curriculum that gives students opportunities to acquire life-changing abilities. Learning that lasts transcends discipline and program specific skills, competencies and knowledge. WVC structures learning so that students acquire those abilities that produce deep, lasting learning. We are committed to continually assessing both what our students know and can do, and how we can improve their college experience.

# Undergraduate Degree Options

Applied baccalaureate degrees fill skilled needs in practical and market-driven fields where job requirements have advanced beyond the associate degree level. They add junior and senior level to two-year professional/technical degrees that would otherwise not transfer and count toward bachelor's degrees at universities. The degrees vary from two-year technical education or a continuation of a professional/ technical degree.

Applied baccalaureate degrees offer hands-on training in a career embedded within a four-year degree. Employers seek graduates because they have technical expertise combined with communication, computation, critical thinking and people-management skills. [Washington State Board for Community and Technical Colleges (June 2016). Applied baccalaureate degrees. Retrieved from www.sbctc.edu.]

WVC currently offers five different four-year programs: Bachelor of Science in Nursing (RN to BSN) and Bachelor of Science in Nursing (LPN to BSN).

# WVC Degree Requirements

- The degree must have a minimum of 90 credits.
- Students must earn a minimum of 30 credits of their degree at WVC, excluding credit for prior learning.
- If degree requirements change, students have three years from the time of the change to complete the previous requirements unless state interagency agreements mandate a change be made before three years.
- Students must earn a cumulative grade point average (GPA) of 2.0 or above for all degrees/ certificates.
- Students must submit an application for graduation to the admission/registration office. It is recommended that students submit their applications for graduation two quarters prior to completion. Applications for fall quarter graduation are due by December 1; for winter quarter by March 1, for spring quarter by May 1; and for summer quarter by Aug. 1. Forms are available in the admission/registration office and online at wvc.edu/graduation.

# University Centers

**CWU-Wenatchee Center**
Located on the WVC Wenatchee Campus next to Van Tassell Center
Call 509-665-2600
Email: cwu_wenatchee@cwu.edu
Web: www.cwu.edu/wenatchee

With Central Washington University's **Dual Admission** Program, WVC students can make a smooth transition to CWU, be conditionally admitted and save $50 in admission fees. For more information visit www.cwu.edu/admissions/ dual-admission-program

**Program and Course Offerings**
WVC graduates can take courses towards their bachelor's degree through CWU-Wenatchee. Classes are taught online and in the classroom.

**CWU-Wenatchee Programs:**

- BAEd Elementary Education
- BS Interdisciplinary Studies-Social Sciences

**Earn a degree from home with CWU Online Programs:**

www.cwu.edu/about/campus-locations/online/online-undergraduate-degrees.php

# General Transfer Information

# When Considering a Transfer

- Understand that the receiving college or university decides what credits transfer and whether or not those credits meet its degree requirements.
- Realize that the accreditation of both the originating and the receiving institutions can affect the transfer of credits earned.
- Understand that chosen courses need not only transfer, but, more important, meet requirements for a major at the baccalaureate institution. Baccalaureate degree programs usually count credits in three categories: general education, departmental requirements and electives. A change in a career goal or major will probably increase the number of credits a student must take to graduate.
- Students should visit their chosen transfer college if possible. They will learn more about a school by visiting. While they are there, they should talk

to everybody they can: students, admissions officers, financial aid staff, counselors and instructors.
- Students should call or email their transfer college to get answers to their questions. Their chosen school is their best source of information. Students should keep copies of all email or written responses.
- Students can request that all the written information their transfer school has to offer, such as catalogs, brochures, applications and departmental publications, be sent to them. They should do this as early as possible in your academic career.
- The Final Step: Apply for Transfer Admission

# The Final Step: Applying for Transfer Admission

- Apply as early as possible before deadlines.
- Remember to submit the necessary application fees.
- Request that official transcripts be sent from every institution attended. Check to see if high-school transcripts or GED® test scores are required.
- Check to make sure all necessary application materials have been received.
- You should recheck with your transfer school regarding your application status if you have not heard from it in a month.
- Request a written evaluation of transfer credit as soon as possible. Transfer-credit evaluations are usually available once a student has been accepted for admission.

# Transfer Degree Options

WVC offers a wide variety of classes leading to the two-year associate in arts and sciences degree, the associate in business direct transfer degree, and the associate in science- transfer degree, which earns the student junior standing at multiple baccalaureate institutions in Washington state. WVC also offers the associate in applied science-transfer degree, which is accepted by several four-year colleges and universities for specific bachelor's degree programs.

***Associate in Arts and Sciences Degree-Direct Transfer Agreement***
With careful planning, students can transfer to most four-year institutions with their general education requirements and pre-major course work completed. The associate in arts and sciences direct transfer agreement (AAS-DTA) degree is designed to transfer with junior standing to the participating colleges and universities in Washington state. This option fulfills most, if not all, general education requirements at any institution that recognizes the DTA developed by the Intercollege Relations Commission (ICRC). Whenever possible, students should include courses required for their major as they complete the AAS-DTA degree.

***Online Associate in Arts and Sciences-Direct Transfer Agreement***
WVC offers a fully accredited online AAS-DTA. The college offers a variety of hybrid, and online courses that apply to this degree. Students should realize that neither the evening nor the distance degree offerings can accommodate all specific majors, and that only by attending classes on campus during the day can they specialize in most specific majors through WVC. Students should check with their advisor about currently available online degrees.

***Associate in Business–Direct Transfer Agreement***
The associate in business direct transfer degree (AB-DTA) is designed for students transferring in business. This degree is not the same as the associate in arts and sciences direct transfer agreement (AAS-DTA) degree described above. The AB-DTA is the best choice for students who have not yet decided on their school of choice, but want to make sure they have met the entrance requirements for all Washington state four-year schools. For students who know which four-year school they will attend, the AAS-DTA degree may be a better option.

***Associate in Nursing–Direct Transfer Agreement***
The associate in nursing direct transfer degree (AN-DTA) is designed for students transferring in nursing. This degree is not the same as the associate in arts and sciences direct transfer agreement (AAS-DTA) degree described above. The AN-DTA is the best choice for students who have not yet decided on their school of choice, but want to make sure they have met the entrance requirements for all Washington state four-year schools. If the student does know which four-year school they will attend, the AAS- DTA degree may be a better option.

***Associate in Science—Transfer Degree***
The associate in science-transfer (AS-T) degree is designed for students who want to concentrate on courses required for acceptance into specific majors in science and engineering. This degree is not the same as the associate in arts and sciences direct transfer agreement (AAS-DTA) degree described above. It does not satisfy general education requirements nor does it guarantee admission to a specific major. This degree allows students to take more courses required for their major than they could take by earning the AAS-DTA

degree. Students interested in pursuing this degree should have an advisor with expertise in the natural sciences, engineering or computer sciences.

***Associate in Applied Science—Transfer Degree***
Students seeking to transfer into degree programs other than those specifically designed for the AAS-T are urged to consider the associate in arts and sciences direct transfer agreement (AAS-DTA) or the associate in science- transfer (AS-T) in preparation for transfer. Majors outside the specifically designed degrees listed above will likely accept a limited number of the credits in the AAS-T degree (English composition, college-level math and other general education courses will transfer.)

# Associate in Arts and Sciences - Direct Transfer Agreement Requirements

This section contains the graduation requirements and approved courses for the WVC transfer degrees. As students are planning their education, they should be aware that the associate in arts and sciences direct transfer agreement (AAS-DTA) degree is designed for transfer with junior standing to a four-year college. If a student pursues this degree, they should plan their WVC schedule in accordance with the requirements of the college to which they plan to transfer. The following guidelines apply to the AAS-DTA degree:

- The college reserves the right to add or delete courses or change the quarter in which courses are offered.
- Courses taken to satisfy one requirement of the AAS-DTA degree may not be used to satisfy another requirement of the degree.
- Courses accepted by transfer institutions within a completed AAS-DTA degree will not necessarily be accepted without the AAS-DTA degree.
- If a student requests any waiver of graduation requirements, they must submit a general petition to the WVC Registrar (see Academic Regulations Committee). Petition forms are available from the admission/registration office.
- Students may complete a maximum of 10 credits on a pass/fail basis at WVC. This does not include academic credit for prior learning (ACPL) options.
- The WVC Academic Regulations Committee may approve courses not found in this catalog for use in satisfying AAS-DTA degree requirements. Petition forms are available from the admission/registration office.
- Students seeking an AAS-DTA degree from WVC will need to take a minimum of 5 credits of diversity courses as part of the 90 credits required to graduate. Visit www.wvc.edu/DR for more information.
- 2.0 GPA or higher required to graduate

# Professional/Technical Programs

Earn the Associate of Technical Science (ATS) or Associate in Applied Science-Transfer (AAS-T) degree by completing a prescribed two-year professional/technical program of 90 credits or more with a cumulative GPA of 2.0 (“C” grade) or above. A minimum of 30 credits earned at WVC is required. See requirements at WVC Degree Requirements.

Each ATS and AAS-T degree (professional/technical) program has its own degree requirements. See the program guide section for more details.

# Associate of Technical Science

The ATS degree is not designed for transfer, although for some ATS degrees, WVC has direct transfer agreements with some regional four-year institutions.

WVC offers a variety of professional/technical programs leading to either an associate of technical science (ATS) degree or a certificate of completion. These programs are geared toward students who wish to enter certain technical careers in agriculture, business, industry, health and other fields.

Each program includes theoretical instruction and practical skills to develop competency for the workplace. A general education component is included in professional/technical degree programs to improve skills in communication, computation and human relations. Course requirements are specific to each program and are described in the pages that follow. Some of the programs also include instruction in computer applications. Today’s workplace requires skilled employees with academic, technical and problem-solving abilities. Technical training through WVC can help students succeed in the workplace.

Students may earn an associate of technical science degree in the following majors:

- Accounting
- Agriculture
- Automotive Technology

- Business, General
- Business Computer Technology
- Chemical Dependency Studies
- Computer Technology - Network Administration
- Criminal Justice
- Early Childhood Education
- Environmental Systems and Refrigeration Technology
- Industrial Technology - Aerospace Electronics
- Industrial Technology - Electronics
- Medical Laboratory Technology
- Multi-Occupational Trades
- Radiologic Technology

# Associate in Applied Science-Transfer

The associate in applied science-transfer (AAS-T) degree is designed to build upon the technical courses required for job preparation but also includes a college-level general education component. In general, technical degree programs are not designed for transfer to other colleges and universities. However, several four-year colleges and universities have specific bachelor's degree programs that accept AAS-T degrees.

Students may earn an associate in applied science-transfer degree in the following majors:

- Business Computer Technology
- Criminal Justice
- Early Childhood Education
- Engineering Technology
- General Agriculture
- Horticultural and Tree Fruit Production
- Natural Resources
- Pharmacy Technician
- Sustainable Agriculture and Resource Systems

# Certificate of Completion

The certificate of completion indicates that a program of specific professional/technical training was satisfactorily completed. Some certificates of completion may be completed in one year or less.

Minimum requirements for the certificate of completion are outlined under each professional/technical program description.

Certificates of completion can be earned in:

- Accounting Technician
- Aerospace Electronics Technician
- American Sign Language
- Automotive Light Diesel
- Automotive Technology
- Business, General
- Business Computer Technology/ Administrative Assistant
- Chemical Dependency Studies
- Computer Technician
- Criminal Justice/Corrections
- Digital Design
- Drafting Technology
- Early Childhood Education
- Emergency Medical Technician
- Environmental Systems and Refrigeration Technology
- Hispanic Orchard Employee Education Program
- Industrial Technology
    - Aerospace Electronics
    - Drafting Technology
    - Electronics Technician
    - Welding and Fabrication
- Manufacturing
- Medical Assistant
- Nursing Assistant
- Pharmacy Technician
- Retail Management
- Tribal Gaming Management (Omak only)
- Viticulture Sustainability

Some stand-alone certificate programs are not eligible for federal financial aid but may qualify for other workforce grant funding resources. For more information, call 509-682-6964.

# CTE Dual Credit

CTE Dual Credit allows high school students to begin preparation for a specific professional/technical field by earning college credit after taking approved high school courses. For more information, visit www.wvc.edu/CTEDualCredit.

# Apprenticeships

WVC cooperates with apprenticeship and training councils to facilitate training for registered apprentices in selected fields. For information, discuss with your academic advisor or call 509-682-6600.

# Short-Term Training

Short-term training for nursing assistants and other allied health professionals is scheduled as needed. Courses in agriculture, refrigeration, engine repair, welding and other specific skill areas are scheduled based on student demand.

To meet specific, identified needs, other professional/ technical programs may be offered at the Omak campus or in other North Central Washington communities.In recent years, such offerings have included orchard business management, and environmental systems and refrigeration technology.

# Professional/Technical Financial Assistance

Financial assistance may be available through programs such as Worker Retraining, Opportunity Grant, Basic Food Employment and Training (BFET), Supporting Students Experiencing Homelessness (SSEH), and WorkFirst. Eligibility for these programs is very specific. For additional information, visit wvc.edu/StudentGrantsCenter and fill out the interest survey, or call 509-682-6964.

# Credit from High School or Prior Learning

## High School Programs

WVC offers several program options for high school students.

### Running Start

Running Start is an educational partnership between WVC and public high schools. Running Start was created by the Washington State Legislature to expand educational options for high school juniors and seniors. Running Start students are responsible for quarterly fees. See the Running Start website for details, visit wvc.edu/runningstart.

### College in the High School

High school students who qualify for college-level writing, reading, or math based on approved placement documents may be eligible to participate in the WVC College in the High School program (CHS). Qualified instructors at local high schools teach CHS classes (the availability of classes varies by location). To be eligible and enrolled in the CHS program, students must follow all regular WVC policies and regulations regarding student performance, behavior, and course prerequisites. Students who complete CHS classes earn WVC college credit, and those courses also count toward the student's high school diploma. High school students should ask their school counselors about these courses. Visit the College in the High School website for details at www.wvc.edu/chs.

### Career and Technical Education (CTE) Dual Credit

CTE Dual Credit, previously known as "Tech Prep," is a nationwide dual enrollment program that allows high school students to begin preparation for a specific professional/technical field while in high school and then continue with the program at WVC without losing credit or duplicating courses. WVC and high schools within the WVC district have examined their career and technical education programs and established Programs of Study, joining the high school programs with the college programs. They determined that certain high school classes in those programs meet the requirements of comparable college courses. Through the CTE Dual Credit program, articulation has been arranged between those classes so that students can receive both high school credit and WVC credit at the same time. High school students should ask their high school teachers or counselors about CTE courses. For more information, visit wvc.edu/ctedualcredit.

The following guidelines apply:

- CTE Dual Credit credit is first transcripted at the high school, then later entered on the college transcript.
- The number of credits awarded is dependent upon the high school CTE Dual Credit articulation agreement.
- A fee for CTE credits has been paid by the school district on behalf of its students.
- CTE Dual Credit credits are not intended to be transfer credits. It is the student's responsibility to check with the intended transfer school about the transferability of these credits.

### College-Based High School Diploma - House Bill 1714

According to Washington State House Bill 1714 (effective July 2019), individuals who enroll at a community college and complete an associate degree (two-year degree) of any type may also submit a written request and be awarded a high school diploma from the college. The law is retroactive and is valid both before and after the law went into effect. All students who completed an associate degree at the college at any time may request a high school diploma if the graduate is either (a) 16 years and older or (b) has been a Running Start student at any time prior to earning the associate degree.

Any type of associate degree (academic, vocational, or non-transfer) can be used when applying for this diploma. The associate degree must be posted on the student's WVC transcript before the high school diploma can be awarded. Certificates may not be used for this diploma.

This bill is not retroactive for all former Running Start students. If an associate degree is awarded after July 26, 2009, a former Running Start student may request the college-based high school diploma anytime in the future.

Diplomas awarded will be posted for the same year-quarter that the associate degree was earned.

### High School+ Diploma program

The High School+ (HS+) program enables adults 18 years and older to earn the credit needed to obtain a high school diploma. Even if a student already has a GED®, they can still work to obtain their high school diploma.

The WVC High School+ Diploma is a bona fide high school diploma issued by the State of Washington through WVC. Our diploma meets the Washington state high school graduation requirements. High School+ courses do not count toward a future college degree or certificate.

To enter the program, contact the WVC Transitional Studies program at 509-682-6790. If a student previously attended high school, they must obtain an official, sealed copy of their high school transcript(s) for evaluation. The program staff will make a determination regarding the number of credits required for a diploma. If an evaluation of a student's transcript(s) indicates that they already have enough high school credits for a diploma, they will still be required to complete WVC's residency requirements (minimum of 10 ABE credits) before a diploma will be issued. Prior learning experiences and professional certifications may also be submitted for consideration for high school credit under this program.

Once credit requirements are determined, the student will register for adult basic education classes. The total cost per quarter for High School+ is $35 ($25 tuition, $10 fees).

# Academic Credit for Prior Learning (ACPL)

Academic Credit for Prior Learning (ACPL), formerly known as Prior Learning Assessment (PLA), is the knowledge and skill gained through military training and experience, and formal and informal education and training at in-and out-of-state institutions.

Currently enrolled students may earn college credit when they demonstrate by examination or evaluation that their professional experience or substantial prior learning meets the specific outcomes of a WVC course. Not all courses at WVC are designated appropriate for credit by examination or evaluation and each department determines the evaluation method required for students to demonstrate mastery of the course content. Academic credit for prior learning can be awarded through one of the following options:

- Advanced Placement (AP)
- College Level Examination Program (CLEP)
- Course Challenge
- DANTES Subject Test (DSST)
- Industry Certification or Licensures
- International Baccalaureate (IB)
- Military Education and Experience

The following restrictions apply to awarding ACPL credits:

- Students must have 15 WVC transcribed credits with a GPA of 2.0 or higher to be eligible for academic credit for prior learning (ACPL) consideration.
- There is no assurance that any ACPL credit will be granted.
- ACPL credits cannot duplicate credits that have already been awarded.
- ACPL credit is limited to a maximum of 30 credits required for WVC degrees or certificates. Workforce programs, specifically, are limited to 25% of total credits for degree.
- ACPL credits do not count towards the minimum residency requirement of 33% of degree or certificate credits must be taken at WVC.
- ACPL courses receive a "P" grade and will not affect the GPA with the exception of course challenges which receive a letter grade of "C" (2.0) or better and does affect GPA. ACPL courses also will not apply to WVC residency requirements.
- A non-refundable fee application fee of $50 plus $10 per credit attempted must be prepaid for course challenges and (non-cross walked) Industry Certification or Licensure assessment.
- View the ACPL application form and the WVC course challenge list at Academic Credit for Prior Learning (ACPL).

For further information about the process or fees for prior learning credits, contact the ACPL coordinator, 509-682- 6600.

### Advanced Placement (AP)

The College Entrance Examination Board Advanced Placement Program (AP), allows high school students to earn college credit for high school work. Students usually

take a high school honors course to prepare for the national AP exams each May. Advanced placement exams are offered in a number of academic disciplines. Credit for these exams is granted under the following conditions:

- WVC is not a testing site for AP and official scores must be submitted for evaluation.
- Students must have 15 WVC transcribed credits with a 2.0 or higher GPA to be eligible for academic credit for prior learning (ACPL) consideration.
- Credits awarded are based on the type of test taken and the score received.
- View WVC AP Exam Scores at Academic Credit for Prior Learning (ACPL) for a complete breakdown on how credit is awarded.
- A maximum of 10 AP credits can be earned in a distribution area (maximum of 5 credits in world languages). No more than 5 AP credits can be used to meet the writing skills requirement for a degree. AP credit will not fulfill the writing requirement for advanced English composition.
- For an AP test that does not appear on the AP Exam Score chart, WVC will grant a maximum of 5 credits within subject area for a score of 3 or higher.
- ACPL credit is limited to a maximum of 30 credits required for WVC degrees or certificates. Workforce programs, specifically, are limited to 25% of total credits for degree.
- AP credit receives a "P" grade, will not affect the GPA and will not apply to WVC residency requirements.
- There is no fee for this evaluation.

For more information, visit Academic Credit for Prior Learning (ACPL).

## College Level Examination Program (CLEP)

Students may earn credit by demonstrating competency in a broad subject area or a specific course through the College Board for College-Level Subject Exams (CLEP). Credit is awarded according to the following guidelines:

- WVC is not a testing site for CLEP and official scores must be submitted for evaluation.
- Students must have 15 WVC transcribed credits with a 2.0 or higher GPA to be eligible for academic credit for prior learning (ACPL) consideration.
- Students must achieve a score in the 50th percentile or higher to receive a "P" credit.
- A maximum award of 10 CLEP credits can be earned in a distribution area (maximum of 5 credits in world languages). No more than 5 CLEP credits can be used to meet the writing skills requirement for a degree. CLEP credit will not fulfill the writing requirement for advanced English composition.
- CLEP credit is not allowed if credit has been received for a more advanced class.
- ACPL credit is limited to a maximum of 30 credits required for WVC degrees or certificates. Workforce programs, specifically, are limited to 25% of total credits for degree.
- CLEP credit receives a "P" grade, will not affect the GPA and will not apply to WVC residency requirements. There is no fee for this evaluation.

For more information, visit Academic Credit for Prior Learning (ACPL).

## Course Challenge

Challenge credit is earned by demonstrating achievement of course outcomes. The appropriate department determines the method of demonstrating proficiency, usually an instructor-designed comprehensive exam. A list of courses that may be challenged is available in the admissions/registration office or download the WVC course challenge list. The following guidelines apply:

- Students must have 15 WVC transcribed credits with a 2.0 or higher GPA before credits may be awarded and only if the learning experience falls within the regular curriculum of the college.
- Students are not allowed to take a course they have previously enrolled in or audited at WVC. If they have already taken and failed an examination for credit, they may not repeat the examination. Challenge exams may not be repeated for additional credit.
- Not all courses are available for challenge and not all departments offer challenge exams.
- Credit is allowed only if the student has received a grade of "C" (2.0) or higher. Successful course challenge receives a letter grade and it will affect GPA.
- Individual departments or programs may require that a student successfully complete the next highest sequential course before receiving credit. However, a student cannot receive credit by examination for any course if they have already completed a more advanced course in that subject area.
- A maximum of 10 challenge credits can be earned in a distribution area. No more than 5 challenge credits can be used to meet the writing skills requirement for a WVC degree. Challenge credits will not fulfill the writing requirement for advanced English composition.

- Course challenge credit from other institutions will be accepted by WVC in accordance with policy guidelines.
- ACPL credit is limited to a maximum of 30 credits required for WVC degrees or certificates. Workforce programs, specifically, are limited to 25% of total credits for degree.
- There is a non-refundable application fee of $50 plus a $10 fee for each credit attempted and must be paid prior to challenge exam.

## DANTES Subject Test (DSST)

Credits from Defense Activity for Non-Traditional Education Support Subjects Standardized Test (DANTES SST) examination program offered by Educational Testing Services are accepted as cross walked (courses that align with WVC's educational standards. There are 50 subject-standardized tests covering a wide range of college-level academic, business and technical subjects.

- WVC is not a testing site for DSST and official scores must be submitted for evaluation.
- Students must have 15 WVC transcribed credits with a 2.0 or higher GPA before credits may be awarded.
- A maximum award of 10 DSST credits can be earned in a distribution area (maximum of 5 credits in world languages). A maximum of 5 DSST credits can be used to meet the writing skills requirement for a degree. Credit will not fulfill the writing requirement for advanced English composition.
- DSST credit is not allowed if credit has been received for a more advanced class.
- DSST credit receives a "P" grade, will not affect the GPA and will not apply to WVC residency requirements.
- ACPL credit is limited to a maximum of 30 credits required for WVC degrees or certificates. Workforce programs, specifically, are limited to 25% of total credits for degree.
- There is no fee for this evaluation.

For more information, visit Academic Credit for Prior Learning (ACPL).

## Industry Certification and Licensure

Individuals who have completed training comparable to college-level programs through non-degree awarding agencies or institutions may apply for evaluation of credit. Examples include recognized nursing, fire service, law enforcement/corrections or fire science academies, and other certifications or licenses.

- For Industry Certifications and Licensures (cross walked or non-cross walked) students must have at least 15 WVC transcribed credits with a 2.0 or higher GPA to be eligible for academic credit for prior learning (ACPL) consideration
- Submission of official records, as well as supporting documentation must be submitted that includes the following: content, level, time period, hours, location, method of instruction, instructors, method of evaluation and achievement.
- All certifications or licenses must be current and valid and training must be documented with ACE National Guide to College Credit for Workforce Training. (If training is not documented with ACE, students should apply for credit using the ACPL Course Challenge method.)
- Training documentation will be evaluated by instructional faculty in the appropriate department to determine the comparability.
- Approved credits are identified on the student's transcript as credit for professional certification of training.
- Credits earned though documented college-level learning, must be related to the theories, practices and content of the relevant academic field and must fall within the regular curricular offerings of an appropriate course or program, but for transfer degrees they may be used only up to a maximum of 15 credits as restricted electives.
- ACPL credit is limited to a maximum of 30 credits required for WVC degrees or certificates. Workforce programs, specifically, are limited to 25% of total credits for degree.
- Credit is posted with a "P" grade and will not affect the GPA and will not apply to WVC residency requirements.
- There is no fee for cross walked (prior evaluation completed) Industry Certifications and Licensures. If not previously cross walked, there is a non-refundable application fee of $50 plus a $10 fee for each credit.

For more information, visit Academic Credit for Prior Learning (ACPL).

## International Baccalaureate (IB)

WVC will award credit for the Higher Level International Baccalaureate exam which consists of college-level courses and exams for high school students as crosswalked.

- WVC is not a testing site for IB and official scores must be submitted for evaluation.
- Students must have 15 WVC transcribed credits with a 2.0 or higher GPA to be eligible for academic credit for prior learning (ACPL) consideration.
- Students may receive credit for the International Baccalaureate higher-level subjects when a score of 4 or higher is earned in selected subjects.

- When no specific course number is listed, the most appropriate course equivalent is determined on a case-by-case by the appropriate department faculty.
- ACPL credit is limited to a maximum of 30 credits required for WVC degrees or certificates. Workforce programs, specifically, are limited to25% of total credits for degree.
- IB credit receives a "P" grade, will not affect the GPA and will not apply to WVC residency requirements.
- There is no fee for this evaluation.

For more information, visit Academic Credit for Prior Learning (ACPL).

### Military Education and Experience

As required by RCW 28B.10.057, Wenatchee Valley College will award academic credit for military training. The academic credit awarded for prior military training must be granted only for training that is applicable to the student's certificate or degree requirements.

- Students must have 15 WVC transcribed credits with a 2.0 or higher GPA to be eligible for academic credit for prior learning (ACPL) consideration.
- ACPL credit is limited to a maximum of 30 credits required for WVC degrees or certificates. Workforce programs, specifically, are limited to 25% of total credits for degree.
- Credit is posted as a "P" grade, will not affect the GPA and will not apply to WVC residency requirements.
- There is no fee for this evaluation.

Individuals must be enrolled in a public institution of higher education and have successfully completed any military training course or program as part of the military service that is:

- Recommended for credit by a national higher education association that provides credit recommendations for military training programs;
- Included in the individual's military transcript issued by any branch of the armed services;
- Documented military training or experience that is substantially equivalent to any course or program offered by the institution of higher education.

**NOTE:**

1. Per the Veterans Administration, all veteran student transfer credit must be evaluated within two quarters of program start. After the third quarter, if the student does not submit all transcripts, he/she must be decertified for the use of VA education benefits.
2. Some military transfer credit will be subject to external evaluation criteria (e.g. Aviation Maintenance Technician and Professional Pilot.)
3. Veteran students using education benefits are not permitted to opt out of prior credit evaluation.

For more information, visit Academic Credit for Prior Learning (ACPL).

# Course Information

Course descriptions are listed on later pages of the catalog. The specific courses offered each academic year, including online classes, are listed in official class schedules posted online. Course offerings may be changed without prior notice.

# Course Legend

Courses may meet one or more Degree Requirements (Distribution Areas). In each Course listing is a category "Meets Degree Requirements for" followed by one or more of the following graduation requirements for certain degrees, including direct transfer agreements.

- Communication Skills
- Quantitative Skills
- Humanities
- Humanities with Performance
- Natural Science
- Natural Science with Lab
- Social Science
- General Elective
- Restrictive Elective
- Diversity

# Course Numbers and Credit Hours

Generally, one credit hour is allowed for each hour of lecture, each two hours of lab, or each three hours of clinical experience per week over ten weeks. Weekly Contact Hours listed on each course is calculated for a standard 10-week course. However, some courses vary and may only meet eight weeks (summer term) or meets only a few days in a term. Check your course schedule and syllabus for scheduled hours.

Courses numbered below 100 are developmental and not intended for transfer credit. Courses numbered above 100 will generally transfer to four-year colleges or universities, although there are limits to the number of technical credits that can be included in a transfer degree. If a student plans to transfer to a four-year

school, they should consult that school's catalog to verify transferability of WVC courses. Questions regarding the transferability of any course should be directed to the student services department or the admissions/ registration office at WVC.

Generally, 200-level courses are more advanced than 100-level courses. If the prerequisite does not specifically require sophomore standing, a freshman student may enroll in a 200-level course. The 300- and 400-level courses are used toward the colleges bachelor's degrees. Application and acceptance into these programs must be completed prior to enrolling in these upper level courses.

### Distance Learning Courses

Distance learning courses offer a flexible alternative to on-campus classes. Whereas on-campus classes require students to be in a specific classroom at a specific time on specific days, distance learning allows them the convenience of scheduling coursework around job, family or other circumstances that conflict with traditional class scheduling. Course content and college credit are equivalent to on-campus courses, and distance learning courses transfer to other institutions the same as on- campus classes. It is possible to earn an associate of arts and sciences degree through distance learning.

### Hybrid Courses

Hybrid courses are a blend of an on-campus class and a distance learning online class. These classes will have a specified face-to-face meeting time, which will be significantly less than an on-campus class, and an online component that offers students flexibility in managing their schedules. With hybrid courses, students will not be required to be on campus every day of the week. Course content and college credit are equivalent to on-campus and distance courses. Transfer to other institutions is the same as any other credit classes. Because hybrid courses are writing intensive, students should have good writing skills as well as average keyboarding and word-processing skills (ENGL& 101 is highly recommended). Access to the internet is also required.

### Being successful in Online Courses

Online courses enable students to take classes and communicate with instructors and classmates via computer and the internet. To be successful in an online course, students should be able to create, save and manage computer files; know how to send and receive email and email attachments; and know how to download and install software on a computer, if needed. Also, because online courses are writing intensive, students should have good writing skills (ENGL& 101 is recommended) and average keyboarding and word processing skills. For more information about online courses and technical requirements, visit the WVC website, www.wvc.edu/Distance.

# Cooperative Work Experience (CWE)

Cooperative work experience (CWE 195 and 196/296) is a way to earn college credit through on-the-job experience in a chosen field. This program offers students a way to combine classroom study at WVC with related work experience under the supervision of an employer. Work experience, paid or unpaid, must be related to a student's educational and career objectives.

This program is subject to the following stipulations:

- Students must meet with the CWE coordinator to determine eligibility and to complete the enrollment process.
- Course credit may be earned for work experience if the work is related to either the student's major or vocational goal.
- One CWE credit requires 50 hours of work experience.
- Regular registration policies and tuition rates apply to CWE credits.
- CWE 196/296 credit will be awarded on a pass/fail basis and will not affect GPA. CWE 195 is graded.
- The CWE coordinator will meet with the student and their employer on the job site as part of the evaluation process for CWE credits.
- No more than 10 CWE credits may be applied to any WVC degree.

# Alternative Instruction

- ***Self-Directed Study***
- ***Independent Project***

With the approval of the instructor, appropriate deans, and vice president of instruction, students may contract for an alternative instruction course to expand their learning beyond the scheduled curriculum or students may take an existing course if it is not being offered during the quarter requested.

This agreement is subject to the following stipulations:

- To be eligible, the student must have completed 45 credits with a cumulative GPA of 2.5 or higher at WVC. The appropriate administrator must approve any waivers of this requirement.

- The application form must be completed by the 10th day of the quarter and delivered to the appropriate dean along with an unofficial transcript attached.
- A maximum of five alternative instruction credits can be earned in one quarter.
- Regular admissions policies and tuition costs apply to credit for directed study and independent project.
- Each independent project credit requires the student to work 30 hours under supervision of an instructor.
- Some fees may apply to a particular course depending on the nature of the course.
- After approvals are obtained, copies of the contract must be distributed to the admission/ registration office, the instruction office and the instructor.
- Application forms are available in the admission/ registration office, the instruction office and online at wvc.edu.

# Diversity Requirement for Graduation

Being aware of the role WVC can play in educating our students for participation in a multicultural world, the Diversity & Cultural Enrichment Core Theme Council along with the Educational Achievement Core Theme Council identified the following six diversity competencies we believe all students who seek an associate in arts and sciences direct transfer agreement degree should learn through taking at least five credits of diversity courses during their term of study at WVC. Every WVC AAS-DTA seeking student will need to take at least 5 credits of diversity courses to graduate.

## Six Standards

1. **Understanding Discrimination and Racism:** An understanding of race and racism in the U.S. while also exploring the meaning of power and privilege, along with historical patterns, marginalization and demographics of American society in terms of race, ethnicity, gender, gender identity, sexual orientation, religion, ability and class differences.
2. **Self-reflection of Personal Identities and Bias:** Self-reflection by students regarding their own personal identities, biases and personal prejudices, in a manner that is observable by the instructor. Expression of student's cultural awareness, sensitivity, diversity and cultural competency.
3. **Global or International Issues and Impact on U.S. Culture:** Global or international issues, including the flow of people, religion, genocide, human rights violations, cultures, labor, capital, diseases, or resources past or present, across or within geographical borders with an emphasis on the global understanding of the diversity of United States culture and other cultures across the globe.
4. **Identity Development and Intersectionality:** Exploring how race, class, gender and other categories of difference are socially constructed, flexible, and overlapping; how identities and their representations change over time; how different identities intersect with one another and are shaped by power, privilege and systemic discrimination.
5. **Systemic Discrimination and Oppression:** Knowledge of the origins and systemic nature of prejudice, discrimination and oppression that has been directed toward people of diverse backgrounds and orientations.
6. **Analysis of Public Policy and its Effect on Diverse Populations:** Analyzing and critiquing public policies that affect various groups of people in different ways; understanding how social trends impact institutions and lives of individuals; developing conceptual tools for analyzing bias, prejudice, and discrimination in society.

## Student Learning Outcomes Categories: Cultural Diversity

- Understanding discrimination and racism
- Self-reflection of personal identities and bias
- Global or international issues and impact on U.S. culture
- Identity development and intersectionality
- Systemic discrimination and oppression
- Analysis of public policy and its effect on diverse populations

## Diversity Courses

For the most up-to-date list of diversity courses, visit wvc.edu/Diversity. Courses certified as of July 2024:

- AIIS 102 – Introduction to American Indian Indigenous Studies
- AIIS 103 – The Indigenous Pacific Northwest
- AIIS 150 – History of American Indian Education
- AIIS 170 – Film and Cinema Through the Indigenous Lens
- AIIS 202 – Contemporary Topics in American Indian and Indigenous Studies
- AIIS 203 – Introduction to American Indian Indigenous Literature
- AIIS 209 – Native American History to 1815
- AIIS 210 – Native North America 1815 to Present
- AIIS 240 – Indigenous Women of North America

- ANTH& 100 – Survey of Anthropology
- ANTH& 206 – Cultural Anthropology
- ANTH 220 – Cross-Cultural Studies
- ART 204 – Contemporary Art History
- BIOL 103 – Salmon, Ecosystems & Society
- CHST 112 – Chicano/a History: An American Journey
- CHST 115 – La Chicana: Gender, History and Intellectualism
- CHST 120 – Identity, Art and Culture
- ENGL 247 – Multicultural Literature
- ENGL 255 – Women's Literature
- GEOG& 100 – Introduction to Geography
- GEOG& 102 – World Regional Geography
- GEOG 150 – Introduction to Sustainability
- GEOG& 207 – Geography of Economy
- HIST& 147 – US History II
- HIST 202 – The American Constitution
- HIST& 214 – Pacific Northwest History
- HIST& 215 – Women in US History
- HIST 230 – Plateau History
- HIST 240 - Hip Hop History
- HIST 260 – History of Mexico
- HIST 261 – Latin America: History Through Revolution
- HUMN 242 – Global Cinema
- POLS& 203 – International Relations
- POLS 205 – Contemporary World Problems
- POLS 206 – State & Local Politics
- SOC 135 – Sociology of Women
- SOC 151 – Sociology of Race & Ethnicity
- Exceptions for study abroad courses: Students must individually petition to have study abroad courses meet the diversity requirement.

# Special Topics

Special topics courses, 197 and 297 (one to five credits each), are designed to educate on unique subjects or timely topics. They are taught by WVC faculty and are conducted as traditional classroom courses.

# Transfer Rights and Responsibilities

## Student Rights and Responsibilities

1. 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.
2. Transfer and freshman-entry students have the right to expect comparable standards for regular admission to programs and comparable program requirements.
3. 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.
4. Students who encounter other transfer difficulties have the right to seek resolution. The college will have a defined process for resolution that is published and readily available to students.
5. Students have the responsibility to complete all materials required for admission and to submit the application on or before the published deadlines.
6. 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 degree.
7. When a student changes a major or degree program, the student assumes full responsibility for meeting the new requirements.
8. 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

1. Colleges and universities have the right and authority to determine program requirements and course offerings in accordance with their institutional missions.
2. 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.
3. College and universities have the responsibility to communicate their admission and transfer related decisions to students in writing (electronic or paper).

# Community and Continuing Education

## Continuing Education

WVC offers a variety of classes, workshops and seminars for personal enrichment and professional development.

Classes are offered at locations throughout the college district, with daytime and evening offerings. Open enrollment classes are listed each quarter on the website at wvc.edu/ced.

For current offerings and contacts, see Continuing Education under Academics on the website or call 509-682-6900.

# Bachelor Degrees

## Bachelor of Applied Science - Behavioral Health

**Degree Type**
Bachelor of Applied Science

***Note: The Bachelor of Applied Science-Behavioral Health is offered in partnership between Wenatchee Valley College and Big Bend Community College. The degree will be available for application February 2025. The first cohort will start in Fall 2025.***

The Bachelor of Applied Science (BAS) in Behavioral Healthcare degree builds on an existing two year degree or 90 credits adding upper division coursework to complete a four-year degree.

Courses are offered in a hyflex format in which students attend each class once a week synchronously (via Zoom or Teams) and the remainder of the coursework is completed online. This program starts in Fall quarter and can be completed online.

Students will enroll in and complete 90 additional credits of coursework to earn the BAS in Behavioral Healthcare.

**Application**

Students may apply here online in February 2025. There is a $50 application fee.

**Program Learning Outcomes**

This degree is designed to provide program graduates with the practical knowledge and skills necessary to enter the behavioral health workforce. The curriculum of the BAS in Behavioral Healthcare degree includes a combination of core courses, specialized courses, and practical experiences. These courses provide students with a strong understanding of human behavior, mental health disorders, and the principles of counseling. After completing the first year of the program, each student completes three five-credit practicums in the behavioral health field.

| PLO | |
|---|---|
| PLO1 | Demonstrate knowledge of the structures, functions, and organizations within the healthcare system, with a specific focus on Behavioral Health (BH) organizations |
| PLO2 | Communicate proficiently with clients, families, and members of the care team, utilizing suitable channels to enhance personal care, contribute to positive health outcomes, and instill optimism for recovery |
| PLO3 | Exhibit integrity by consistently practicing ethical behavior, developing a meaningful practice of self-care, maintaining confidentiality, self-reflection, and approaching work with cultural sensitivity and humility |
| PLO4 | Demonstrate ability to effectively function as a member of an interprofessional care team in coordinating services and resources |
| PLO5 | Identify and address barriers that hinder access and equity within the BH system, delivering culturally relevant services to clients and their families |
| PLO6 | Conduct screenings and assessments, utilizing the gathered information to develop and implement client-centered care plans |
| PLO7 | Demonstrate understanding of various theories of practice to intervene in behavioral health conditions. |

**Special Features**

- Students in the BAS Behavioral Healthcare program have the advantage of a low faculty to student ratio.
- Cohort model: a best-practice model used in higher education where students who start the program together take the same courses together fostering a learning community and support network
- The BAS Behavioral Healthcare program does not currently have a waiting list.
- The BAS Behavioral Healthcare program was designed to align with industry needs for the new Behavioral Health Support Specialist (BHSS) credential.
- The BAS Behavioral Healthcare program curriculum is designed to prepare students for completing master's degrees in related fields.

**Admissions Requirements**

All interested students meeting the minimum requirements for entrance to the BAS-BH program are encouraged to apply. Admissions requirements were carefully developed to ensure students' preparedness for the program without creating unnecessary and extensive admissions requirements. Prior to admission, applicants are expected to have completed the following coursework:

1. Completed associate degree or 90 college-level credits from an accredited institution
2. Minimum 2.5 cumulative GPA
3. Completed at 2.0 GPA or above in the following courses:
    1. ENGL& 101 English Composition
    2. ENGL& 102, 235, 202, or 203 (ENGL& 235 Technical Writing preferred)
    3. A college-level math or its equivalent (must meet SQR requirement)
    4. PSYC& 100 General Psychology
    5. Humanities course
4. Completion of application for admission to the BAS Behavioral Health program

**Required Courses and Sequence**

## BAS-BH Year One - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| ASP 100 (Also known as Big Bend College ADS 100) | Survey of Addiction Issues | 5 |
| PSYC& 220 | Abnormal Psychology | 5 |
| BH 300 | Introduction to Behavioral Healthcare | 5 |

## BAS-BH Year One - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| BH& 330 | Ethics in Behavioral Healthcare | 5 |
| PSYC 270 | Psychology of Addiction & Recovery | 5 |
| BH& 320 | Social and Cultural Diversity in Behavioral Health | 5 |

## BAS-BH Year One - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| BH& 400 | Case Management | 5 |
| BH& 420 | Assessment of Mental Health Disorders | 5 |
| BH& 340 | Professional Development | 5 |

## BAS-BH Year Two - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| BH& 311 | Treatment of Behavioral Health Disorders | 5 |
| BH& 450 | Advanced Counseling Techniques | 5 |
| BH& 491 | Practicum I | 5 |

## BAS-BH Year Two - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| BH 410 | Group Counseling | 5 |
| BH& 492 | Practicum II | 5 |
| | Natural Sciences with laboratory | 5.0 |

## BAS-BH Year Two - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| BH& 350 | Behavioral Neuroscience | 5 |
| BH& 493 | Practicum III | 5 |
| | General Education Requirement | 5.0 |
| | Total Credits | 90 |

Natural Sciences with laboratory

**Elective Credits** 5.0

General Education Requirement

**Elective Credits** 5.0

# Bachelor of Science - Nursing (RN to BSN)

**Degree Type**
Bachelor of Science in Nursing

The RN to BSN adds a fourth year of courses for those students who have already graduated with their associate degree in nursing (ADN). The ADN includes one year of prerequisites and two years of required nursing courses.

The goal of the program is to provide opportunities for area nurses to finish their last year of education and get the bachelor's degree that is becoming an industry standard.

WVC accepts 25 students into the RN-to-BSN program each year. Applications are accepted annually during spring quarter. Visit wvc.edu/nursing for more information.

The program is 80 percent online and 20 percent face-to-face instruction. Students attend classes on the Wenatchee campus only three times a quarter so that they can continue to work while completing their bachelor's degree. To be accepted, students need to have an ADN as well as a current, unencumbered RN license. In-person courses are on Fridays – dates of instruction are on the WVC website. The program takes one year, or four quarters, to complete full-time.

**Application**

Students may apply online at wvc.edu/Nursing. There is a $50 application fee.

## Required courses for Bachelor of Science in Nursing (RN to BSN)

*In order to complete the RN to BSN on a part-time schedule, the same courses must be completed. Students will need to work with the nursing director and allied health education planner to create an academic plan.*

| | |
|---|---|
| Total Credits | 51-56 |

**Course Sequencing**

## First Year - First Quarter

| Course ID | Title | Credits |
|---|---|---|
| NURS 300 | Professional Writing for Nursing | 5 |
| NURS 310 | Transition to Baccalaureate Nursing Practice | 5 |
| NURS 350 | Pathophysiology, Pharmacology, and Health Assessment | 5 |

## First Year - Second Quarter

| Course ID | Title | Credits |
|---|---|---|
| NURS 320 | Nursing Research: Clinical Scholarship & Evidence Based Practice | 5 |
| NURS 340 | Organizational Change for Safety & Quality Care | 5 |
| NURS 430 | Community and Public Health Nursing | 5 |

## First Year - Third Quarter

| Course ID | Title | Credits |
|---|---|---|
| NURS 330 | Health Policy | 5 |
| NURS 360 | Health Equity and Cultural Sensitivity In Nursing | 5 |
| NURS 450 | Community Health Practicum | 2 |

## First Year - Fourth Quarter

| Course ID | Title | Credits |
|---|---|---|
| NURS 315 | Economics In Healthcare | 5 |
| NURS 411 | Health Information Technology for Nurses | 3 |
| NURS 490 | Leadership Portfolio and Capstone Project | 1 |
| | Humanities elective (if needed) | 5.0 |

**General program requirements:**

- Associate Degree in Nursing from a regionally accredited institution with a cumulative GPA of a 2.0 or higher.
- Minimum 2.0 GPA earned in every nursing course, as well as any required ADN courses.
- Thirty-five credits of general education requirements from previous ADN program (for distribution of all general education credits). NOTE: If you have not completed a statistics course, chemistry course and the required humanities credits you will need to complete these courses concurrently while in the RN to BSN program.
- Current unencumbered RN licensure in Washington state. Experience as an RN for at least one year is *preferred*.

Students must fulfill the following requirements immediately following acceptance into the WVC Nursing Program:

- Pay a non-refundable acceptance fee by the designated deadline.
- Provide a current Healthcare Provider CPR card. Must include but not be limited to first aid/ CPR/AED for adults, children and infants. The CPR card must be instruct CPR for healthcare providers.
- Provide documentation of immunizations to the student immunization tracker (for a complete list go to www.wvc.edu/alliedhealth).
- Provide background check information to provide clearance for participation in required clinical learning experiences. National background checks must go back at least six years and be submitted within 45 days of acceptance into the program through Complio.
- Provide results of a ten-panel drug test from Complio that is not older than 45 days from the start of class.
- Complete the allied health packet, which includes: student disclosure form, a child and adult abuse information act disclosure statement, medical record form, student release form and student confidentiality form.
- Liability insurance is calculated into tuition and fees annually at the time of registration.
- Physical requirements include: ability to lift 50 pounds, carry 20 pounds, sit for four hours and stand for eight to twelve hours.

*Note: Required documents are to be submitted to the student immunization tracker.*

**Program outcomes**

By the end of the RN to BSN program, successful graduate should be able to:

- Provide patient centered care for diverse populations to promote health and wellness.
- Utilize organizational leadership skills to collaborate with health care teams in a community and/or health care agency to promote safe and effective quality care.
- Utilize reliable evidence to inform and support clinical decisions which shape health care delivery and policy.
- Manage information and technology to promote communication, access research and other reliable evidence and mitigate error in a variety of health care systems.
- Apply quality improvement processes to effectively implement patient safety initiatives and affect health system change.

- Evaluate professional core values and behaviors that reflect baccalaureate nursing practice.

Graduates will demonstrate accomplishment of the program learning outcomes by successful completion of all course requirements, which will measure competencies in each learning area.

Humanities elective (if needed)

**Elective Credits** 5.0

# Bachelor of Science in Nursing (LPN to BSN)

**Degree Type**
Bachelor of Science in Nursing

The LPN to BSN track is offered in a hybrid format with a combination of traditional on-campus and online courses. The LPN to BSN students will develop and expand their knowledge, skills, and abilities guided by six student-centered program learning outcomes that reflect professional standards and are necessary for success as a professional nurse in today's complex healthcare environment.

**Application**

Students may apply online at wvc.edu/Nursing. There is a $50 application fee.

## First Quarter (Spring)

| Course ID | Title | Credits |
|---|---|---|
| NURS 300 | Professional Writing for Nursing | 5 |
| NURS 301 | Concepts in Professional Nursing Practice and Lab | 3 |
| NURS 302 | Applied Concepts in Protection and Movement | 3 |
| NURS 350 | Pathophysiology, Pharmacology, and Health Assessment | 5 |

## Second Quarter (Summer)

| Course ID | Title | Credits |
|---|---|---|
| NURS 303 | Applied Concepts in Homeostasis and Regulation I | 3 |
| NURS 320 | Nursing Research: Clinical Scholarship & Evidence Based Practice | 5 |
| NURS 390 | Clinical Judgment in Nursing I | 2 |
| NURS 400 | Acute Care Clinical | 6 |

## Third Quarter (Fall)

| Course ID | Title | Credits |
|---|---|---|
| NURS 340 | Organizational Change for Safety & Quality Care | 5 |
| HUMN 370 | Art of Nursing | 5 |
| NURS 430 | Community and Public Health Nursing | 5 |

## Fourth Quarter (Winter)

| Course ID | Title | Credits |
|---|---|---|
| NURS 330 | Health Policy | 5 |
| NURS 360 | Health Equity and Cultural Sensitivity In Nursing | 5 |
| NURS 403 | Applied Concepts in Homeostasis and Regulation II | 3 |
| NURS 410 | Clinical Judgment in Nursing II | 2 |

## Fifth Quarter (Spring)

| Course ID | Title | Credits |
|---|---|---|
| NURS 402 | Applied Concepts in Gender and Reproductive Health | 3 |
| NURS 404 | Applied Concepts in Psychiatric and Mental Health | 2 |
| NURS 415 | Clinical Judgment in Nursing III | 3 |
| NURS 450 | Community Health Practicum | 2 |
| NURS 470 | Transition from LPN to RN Practice | 2 |

## Sixth Quarter (Summer)

| Course ID | Title | Credits |
|---|---|---|
| NURS 315 | Economics In Healthcare | 5 |
| NURS 405 | Applied Concepts in Multi-System Health Problems | 3 |
| NURS 411 | Health Information Technology for Nurses | 3 |
| NURS 480 | Advanced Med-Surg Across the Lifespan | 4 |
| NURS 490 | Leadership Portfolio and Capstone Project | 1 |
| | Total Credits | 90 |

**General program requirements:**

- Have completed a Licensed Practical Nursing program with a cumulative GPA of a 2.5 or higher.
- Minimum 2.5 GPA earned in every nursing course.
- Forty-five credits of general education requirements, including:
  - CHEM& 121 Intro to Chemistry (5 credits)
  - BIOL& 211 Majors Cellular *or* BIOL& 160 General Biology (5 credits)

    - BIOL&241 Human Anatomy & Physiology 1 with lab (5 credits)
    - BIOL& 242 Human Anatomy & Physiology 2 with lab (5 credits)
    - BIOL& 260 Microbiology with Lab (5 credits)
    - MATH& 146 Introduction to Statistics (5 credits)
    - PSYC& 100 General Psychology (5 credits)
    - PSYC& 200 Lifespan Psychology (5 credits)
    - ENGL& 101 Composition General (5 credits)
- Current unencumbered LPN licensure in Washington state, or can receive licensure by start of the program.

Students must fulfill the following requirements immediately following acceptance into the WVC Nursing Program:

- Pay a non-refundable acceptance fee by the designated deadline.
- Provide a current Healthcare Provider CPR card. Must include but not be limited to first aid/ CPR/AED for adults, children and infants. The CPR card must be instruct CPR for healthcare providers.
- Provide documentation of immunizations to the student immunization tracker (for a complete list go to www.wvc.edu/alliedhealth).
- Provide background check information to provide clearance for participation in required clinical learning experiences. National background checks must go back at least six years and be submitted within 45 days of acceptance into the program through Complio.
- Provide results of a ten-panel drug test from Complio that is not older than 45 days from the start of class.
- Complete the allied health packet, which includes: student disclosure form, a child and adult abuse information act disclosure statement, medical record form, student release form and student confidentiality form.
- Liability insurance is calculated into tuition and fees annually at the time of registration.
- Physical requirements include: ability to lift 50 pounds, carry 20 pounds, sit for four hours and stand for eight to twelve hours.

*Note: Required documents are to be submitted to the student immunization tracker.*

**Program outcomes**

By the end of the BSN program, successful graduates will be able to:

1. Provide patient-centered care for diverse populations to promote health and wellness.
2. Utilize organizational leadership skills to collaborate with healthcare teams in a community and/or health care agency to promote safe and effective quality care.
3. Utilize reliable evidence to inform and support clinical decisions which shape healthcare delivery and policy.
4. Manage information and technology to promote communication, access research, and other reliable evidence, and mitigate error in a variety of healthcare systems.
5. Apply quality improvement processes to effectively implement patient safety initiatives and affect health system change.
6. Evaluate professional core values and behaviors that reflect baccalaureate nursing practice.

Graduates will demonstrate accomplishment of the program learning outcomes by successful completion of all course requirements, which will measure competencies in each learning area.

# Associate Transfer Degrees

## Associate in Arts DTA

**Degree Type**
Associate in Arts Degree DTA

This section contains the graduation requirements and approved courses for the WVC transfer degrees. As students are planning their education, they should be aware that the associate in arts direct transfer agreement (AA-DTA) degree is designed for transfer with junior standing to a four-year college. If a student pursues this degree, they should plan their WVC schedule in accordance with the requirements of the college to which they plan to transfer. The following guidelines apply to the AA-DTA degree:

- The college reserves the right to add or delete courses or change the quarter in which courses are offered.
- Courses taken to satisfy one requirement of the AA-DTA degree may not be used to satisfy another requirement of the degree.
- Courses accepted by transfer institutions within a completed AA-DTA degree will not necessarily be accepted without the AA-DTA degree.
- If a student requests any waiver of graduation requirements, they must submit a general petition to the WVC Registrar (see Academic Regulations Committee). Petition forms are available from the Enrollment Services Office.
- Students may complete a maximum of 10 credits on a pass/fail basis at WVC. This does not include academic credit for prior learning (ACPL) options.
- The WVC Academic Regulations Committee may approve courses not found in this catalog for use in satisfying AA-DTA degree requirements. Petition forms are available from the Enrollment Services Office.
- Students seeking an AA-DTA degree from WVC will need to take a minimum of 5 credits of diversity courses as part of the 90 credits required to graduate. Visit www.wvc.edu/DR for more information.
- 2.0 GPA or higher required to graduate. See WVC Degree Requirements.

### Writing: 10 credits

*A grade of 2.0 or higher ("C" grade) in ENGL 201, 202, 203 or 235 is required for graduation.*

| Course ID | Title | Credits |
|---|---|---|
| | English (ENGL&) 101 required | 5.0 |
| | Select five credits from English | 5.0 |

### Quantitative/Symbolic: 5 credits

| Course ID | Title | Credits |
|---|---|---|
| | Mathematics (MATH) Q | 5.0 |
| | Philosophy (PHIL) [Q] | 5.0 |

### Humanities: 15 credits

Courses must be from three different subject areas.

Maximum five credits from World Languages in Humanities distribution.

Only five credits of Performance courses allowed in Humanities.

Performances courses are:

- ART 106, 107, 110, 111, 113, 116, 117, 130, 131, 132, 133, 134, 135, 137, 138, 139, 141, 142, 143, 150, 151, 152, 154, 155, 206, 208, 210, 211, 212, 213, 217, 218, 219, 220, 222, 224, 225, 233, 234, 235, 236, 250, 256
- MUSIC 110, 111, 112, 120, 125, 161, 170, 172, 173, 174, 175, 177, 210, 211, 212, 221, 261, 270, 272, 273, 274, 275, 277
- THTR 165, 265

| Course ID | Title | Credits |
|---|---|---|
| | American Indian Indigenous Studies (AIIS) [H] | 5.0 |
| | Art (ART) | 5.0 |
| | Chicano Studies (CHST) | 5.0 |
| | Communication Studies (CMST) | 5.0 |
| | Drama (DRMA) | 5.0 |
| | English (ENGL) | 5.0 |
| | Humanities (HUMN) | 5.0 |
| | Journalism (JOUR) | 5.0 |
| | Music (MUS) | 1.0-5 |
| | Philosophy (PHIL) | 1.0-5 |
| | Theater Arts (THTR) | 5.0 |
| | World Languages | 5.0 |

## Natural Sciences: 15 credits

*Courses must be from three different subject areas. One course must include a lab.*

*Natural Science Courses with labs are:*

- ANTH 205
- ASTR 101
- BIOL 100, 125, 126, 127, 185, 186, 211, 212, 213, 216, 217, 218, 221, 230, 241, 242, 260
- CHEM 110, 121, 131, 161, 162, 163, 261, 262, 263
- ENVS 270
- GEOL 101, 208
- METR 210
- PHYS 114, 115, 116, 221, 222, 223

| Course ID | Title | Credits |
|---|---|---|
| | Anthropology (ANTH) [NS] | 5.0 |
| | Astronomy (ASTR) | 5.0 |
| | Biology General (BIOL) | 5.0 |
| | Botany Biology (BIOL) | 5.0 |
| | Chemistry (CHEM) | 5.0-6 |
| | Computer Science (CSC) | 5.0 |
| | Environmental Biology (BIOL) | 5.0 |
| | Oceanography (OCEA) | 5.0 |
| | Geology (GEOL) | 5.0 |
| | Mathematics (MATH) NS | 5.0 |
| | Meteorology (METR) | 5.0 |
| | Nutrition (NUTR) | 1.0-5 |
| | Physical Education (PEH) | 5.0 |
| | Physics (PHYS) | 5.0 |
| | Science/Technology/ Engineering/Math (STEM) | 2.0 |
| | Zoology Biology (BIOL) | 5.0 |

## Social Sciences: 15 credits

*Courses must be from three different subject areas.*

| Course ID | Title | Credits |
|---|---|---|
| | American Indian Indigenous Studies (AIIS) | 5.0 |
| | Anthropology (ANTH) [SS] | 5.0 |
| | Chicano Studies (CHST) | 5.0 |
| | Early Childhood Education (ECED) | 5.0 |
| | Economics (ECON) | 5.0 |
| | Education (EDUC) | 5.0 |
| | Geography (GEOG) | 5.0 |
| | History (HIST) | 5.0 |
| | Political Science (POLS) | 5.0 |
| | Psychology (PSYC) | 1.0-5 |
| | Sociology (SOC) | 5.0 |

## Electives: 30 credits minimum

**Two types of electives: General & Restricted**

A maximum of three PEH/PEHR activity credits are allowed in this degree.

**General Electives** are normally accepted at institutions that grant bachelor's degrees whether or not an AA degree is earned. All courses listed in the sections of writing, quantitative/symbolic, humanities, natural sciences and social sciences distribution requirements may be used as general electives.

**Restricted Electives** are courses numbered 100 or higher that do not normally transfer to institutions that grant bachelor's degrees. These courses are normally accepted only when included in the AAS degree. A maximum of 15 restricted credits can be included in the AA degree under the Electives section. Any course numbered 100 or above that is not in the writing, quantitative/symbolic, humanities, natural sciences, social sciences, or general elective distribution requirements can be considered a Restricted Elective course.

Note: Courses not listed here that were previously offered at WVC may still count toward a degree. Check with the registrar for a complete list of courses which count toward this degree.

| Course ID | Title | Credits |
|---|---|---|
| | General Electives | |
| | Restricted Electives - Max 15 Credits | |
| | Total Credits | 90 |

*Students seeking an AA-DTA degree from WVC will need to take a minimum of 5 credits of diversity courses as part of the 90 credits required to graduate. Visit www.wvc.edu/DR for more information.*

*A maximum of three PEH/PEHR activity credits are allowed in this degree.*

### English (ENGL&) 101 required

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |

### Select five credits from English

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ENGL 201 | Composition: Advanced Essay | 5 |
| ENGL 202 | Composition: Critical Analysis | 5 |
| ENGL 203 | Composition: Research | 5 |
| ENGL& 235 | Technical Writing | 5 |

### Mathematics (MATH) Q

**Elective Credits** 5.0

## Mathematics

| Course ID | Title | Credits |
|---|---|---|
| MATH& 107 | Math In Society | 5 |
| MATH 140 | Precalculus for Business and Social Sciences | 5 |
| MATH& 141 | Precalculus I | 5 |
| MATH& 142 | Precalculus II | 5 |
| MATH& 146 | Introduction to Statistics | 5 |
| MATH& 148 | Business Calculus | 5 |
| MATH& 151 | Calculus I | 5 |
| MATH& 152 | Calculus II | 5 |
| MATH& 153 | Calculus III | 5 |
| MATH 200 | Finite Mathematics | 5 |
| MATH 211 | Linear Algebra | 5 |
| MATH 238 | Differential Equations | 5 |
| MATH& 254 | Calculus IV | 5 |

### Philosophy (PHIL) [Q]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| PHIL& 120 | Symbolic Logic | 5 |

### American Indian Indigenous Studies (AIIS) [H]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| AIIS 170 | Film & Cinema Through The Indigenous Lens | 5 |
| AIIS 203 | Introduction to AIIS Literature | 5 |

### Art (ART)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ART& 100 | Art Appreciation | 5 |
| ART 106 | Design 2-Dimensional Composition and Color | 5 |
| ART 107 | 3D Design Introduction to Sculpture | 5 |
| ART 110 | Drawing I | 5 |
| ART 111 | Figure Drawing I | 5 |
| ART 113 | Drawing II | 5 |
| ART 116 | Drawing: Figure II | 5 |
| ART 117 | Drawing: Figure III | 5 |
| ART 130 | Graphic Design Technology I | 5 |
| ART 131 | Graphic Design Technology II | 5 |
| ART 132 | 3D Digital Design 1: Intro to 3D Computer Aided Modeling | 5 |
| ART 133 | 3D Digital Design 2: Advanced Modeling, Rendering and Presentation | 5 |
| ART 134 | Introduction to Graphic Design | 5 |
| ART 135 | Graphic Design I | 5 |
| ART 137 | Typography | 5 |
| ART 138 | Digital Photography | 5 |
| ART 139 | Publication Design & Layout | 5 |
| ART 141 | Illustration I | 5 |
| ART 142 | Illustration II | 5 |
| ART 143 | Natural Science Illustration | 5 |
| ART 150 | Ceramics I | 5 |
| ART 151 | Ceramics II | 5 |
| ART 152 | Ceramics III | 5 |
| ART 154 | Sculpture 1 | 5 |
| ART 155 | Sculpture 2 | 5 |
| ART 201 | Art History Survey: Ancient to Medieval | 5 |
| ART 202 | Art History Survey: Renaissance | 5 |
| ART 203 | Art History Survey: Modern | 5 |
| ART 204 | Contemporary Art History | 5 |
| ART 206 | Printmaking: Intaglio | 5 |
| ART 208 | Printmaking: Relief | 5 |
| ART 210 | Painting I | 5 |
| ART 211 | Painting II | 5 |
| ART 212 | Painting III | 5 |
| ART 213 | Watercolor I | 5 |
| ART 217 | Native American Beading I | 5 |
| ART 218 | Native American Beading II | 5 |
| ART 219 | Native American Beading III | 5 |
| ART 220 | Painting: Advanced | 5 |
| ART 222 | Drawing: Advanced | 5 |
| ART 224 | Printmaking 1 | 5 |
| ART 225 | Printmaking: Advanced | 5 |
| ART 233 | Packaging Design | 5 |
| ART 234 | Graphic Design II | 5 |
| ART 235 | Web Graphic Design | 5 |
| ART 236 | Graphic Design- Branding | 5 |
| ART 250 | Ceramics: Advanced | 5 |
| ART 256 | Sculpture: Advanced | 5 |

## Chicano Studies (CHST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CHST 120 | Identity, Art & Culture | 5 |

## Communication Studies (CMST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CMST& 101 | Introduction to Communication | 5 |
| CMST 130 | Survey of Digital Communications | 5 |
| CMST& 210 | Interpersonal Communication | 5 |
| CMST& 220 | Public Speaking | 5 |

## Drama (DRMA)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| DRMA& 101 | Introduction to Theatre | 5 |

## English (ENGL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 111 | Introduction to Literature | 5 |
| ENGL& 112 | Introduction to Fiction | 5 |
| ENGL& 113 | Introduction to Poetry | 5 |
| ENGL 135 | Creative Writing | 5 |
| ENGL 215 | Fantasy Fiction | 5 |
| ENGL& 226 | British Literature | 5 |
| ENGL 240 | World Literature | 5 |
| ENGL 247 | Multicultural Literature | 5 |
| ENGL 250 | American Literature | 5 |
| ENGL 255 | Women's Literature | 5 |
| ENGL 275 | Fiction Writing | 5 |
| ENGL 276 | Poetry Writing | 5 |
| ENGL 106 | Introduction to Ecoliterature | 5 |

## Humanities (HUMN)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| HUM& 101 | Introduction to Humanities | 5 |
| HUM& 116 | Humanities I | 5 |
| HUM& 117 | Humanities II | 5 |
| HUM& 118 | Humanities III | 5 |
| HUMN 141 | Film & Culture | 5 |
| HUMN 206 | Mythology & Symbolism | 5 |
| HUMN 207 | Comics & Graphic Novels | 5 |
| HUMN 242 | Global Cinema | 5 |

## Journalism (JOUR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| JOUR 101 | Introduction to Journalism | 5 |

## Music (MUS)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| MUS 100 | Introduction to Music | 5 |
| MUSC& 105 | Music Appreciation | 5 |
| MUS 110 | Individual Voice Instruction | 1 |
| MUS 111 | Individual Piano Instruction | 1 |
| MUS 112 | Individual Instrument Instruction | 1 |
| MUS 113 | Jazz History | 5 |
| MUS 114 | Survey of Rock: History of Rock Styles | 3 |
| MUS 116 | Introduction to The Music/Audio Technology I | 5 |
| MUS 120 | Voice Class Instruction | 1 |
| MUSC& 121 | Ear Training I | 2 |
| MUSC& 122 | Ear Training II | 2 |
| MUSC& 123 | Ear Training III | 2 |
| MUS 125 | Piano Class Instruction | 1 |
| MUSC& 131 | Music Theory 1 | 3 |
| MUSC& 132 | Music Theory 2 | 3 |
| MUSC& 133 | Music Theory 3 | 3 |
| MUS 161 | Community Chorus | 1 |
| MUS 170 | WVC Chamber Choir | 2 |
| MUS 172 | Vocal Jazz Ensemble | 2 |
| MUS 173 | Mariachi Music | 2 |
| MUS 174 | Jazz Ensemble | 1-2 |
| MUS 175 | Instrumental Ensemble | 1-2 |
| MUS 177 | Guitar Orchestra | 1-2 |
| MUS 210 | Individual Voice Instruction | 1 |
| MUS 211 | Individual Piano Instruction | 1 |
| MUS 212 | Individual Instrument Instruction | 1 |
| MUS 221 | Piano Class Instruction | 1 |
| MUSC& 241 | Music Theory 4 | 5 |
| MUSC& 242 | Music Theory 5 | 5 |
| MUSC& 243 | Music Theory 6 | 5 |
| MUS 261 | Community Chorus | 1 |
| MUS 270 | WVC Chamber Choir | 2 |
| MUS 272 | WVC Vocal Jazz Ensemble | 2 |
| MUS 273 | Mariachi Music | 2 |
| MUS 274 | Jazz Ensemble | 1-2 |
| MUS 275 | Instrumental Ensemble | 1-2 |
| MUS 277 | Guitar Orchestra | 1-2 |

## Philosophy (PHIL)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| PHIL& 101 | Introduction to Philosophy | 5 |
| PHIL 105 | Ethics and Policy In Healthcare I | 2 |
| PHIL& 115 | Critical Thinking | 5 |
| PHIL& 120 | Symbolic Logic | 5 |
| PHIL 201 | Ethics and Policy In Healthcare II | 1 |
| PHIL 202 | Ethics and Policy In Healthcare III | 1 |
| PHIL 203 | Ethics and Policy In Healthcare IV | 1 |
| PHIL 210 | Philosophy of Religion | 5 |
| PHIL 211 | Introduction to Ethics | 5 |
| PHIL 275 | Comparative World Religions | 5 |

## Theater Arts (THTR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| THTR 165 | Acting I | 5 |
| THTR 170 | Production & Administration | 5 |
| THTR 265 | Acting II | 5 |

## World Languages

**Elective Credits** 5.0

(Maximum five credits from World Languages in Humanities distribution):

# American Sign Language (ASL)

| Course ID | Title | Credits |
|---|---|---|
| ASL& 121 | American Sign Language I | 5 |
| ASL& 122 | American Sign Language II | 5 |
| ASL& 123 | American Sign Language III | 5 |
| ASL& 221 | American Sign Language IV | 5 |
| ASL& 222 | American Sign Language V | 5 |
| ASL& 223 | American Sign Language VI | 5 |

# German (GERM)

| Course ID | Title | Credits |
|---|---|---|
| GERM& 121 | German I | 5 |
| GERM& 122 | German II | 5 |
| GERM& 123 | German III | 5 |

## Japanese (JAPN)

| Course ID | Title | Credits |
|---|---|---|
| JAPN& 121 | Japanese I | 5 |
| JAPN& 122 | Japanese II | 5 |
| JAPN& 123 | Japanese III | 5 |
| JAPN& 221 | Japanese IV | 5 |
| JAPN& 222 | Japanese V | 5 |
| JAPN& 223 | Japanese VI | 5 |

## Latin (LATN)

| Course ID | Title | Credits |
|---|---|---|
| LATN 101 | Latin I | 5 |
| LATN 102 | Latin II | 5 |
| LATN 103 | Latin III | 5 |

## Native American Languages (NAL)

| Course ID | Title | Credits |
|---|---|---|
| NAL 101 | Native American Language I: nselxcin | 5 |
| NAL 102 | Native American Language II: nselxcin | 5 |
| NAL 103 | Native American Language III: nselxcin | 5 |
| NAL 111 | Native American Language I: nimipu | 5 |
| NAL 112 | Native American Language II: nimipu | 5 |
| NAL 113 | Native American Language III: nimipu | 5 |
| NAL 121 | Native American Language I: nxa?amxcin | 5 |
| NAL 122 | Native American Language II: nxa?amxcin | 5 |
| NAL 123 | Native American Language III: nxa?amxcin | 5 |
| NAL 204 | Native American Language IV: nselxcin | 5 |
| NAL 205 | Native American Language V: nselxcin | 5 |
| NAL 206 | Native American Language VI: nselxcin | 5 |
| NAL 214 | Native American Language IV: nimipu | 5 |
| NAL 215 | Native American Language V: nimipu | 5 |
| NAL 216 | Native American Language VI: nimipu | 5 |
| NAL 224 | Native American Language IV: nxa?amxcin | 5 |
| NAL 225 | Native American Language V: nxa?amxcin | 5 |
| NAL 226 | Native American Language VI: nxa?amxcin | 5 |

## Spanish

| Course ID | Title | Credits |
|---|---|---|
| SPAN& 121 | Spanish I | 5 |
| SPAN& 122 | Spanish II | 5 |
| SPAN& 123 | Spanish III | 5 |
| SPAN& 221 | Spanish IV | 5 |
| SPAN& 222 | Spanish V | 5 |
| SPAN& 223 | Spanish VI | 5 |
| SPAN 231 | Spanish for Heritage Learners I | 5 |
| SPAN 232 | Spanish for Heritage Learners II | 5 |
| SPAN 233 | Spanish for Heritage Learners III | 5 |

### Anthropology (ANTH) [NS]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 205 | Biological Anthropology | 5 |

### Astronomy (ASTR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ASTR& 101 | Introduction to Astronomy | 5 |

### Biology General (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 100 | Survey of Biology | 5 |
| BIOL 126 | Survey of Genetics | 5 |
| BIOL 185 | Insects & Ecosystems | 5 |
| BIOL& 211 | Majors Cellular | 5 |
| BIOL 218 | Insect Classification | 5 |
| BIOL& 260 | Microbiology | 5 |

### Botany Biology (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL 186 | Survey of Plants of The Pacific Northwest | 5 |
| BIOL& 212 | Majors Plants | 5 |
| BIOL 216 | Plant Classification | 5 |
| BIOL 230 | Ethnobotany | 5 |

### Chemistry (CHEM)

**Elective Credits** 5.0-6.0

| Course ID | Title | Credits |
|---|---|---|
| CHEM 106 | Drugs in Society | 5 |
| CHEM& 110 | Chemical Concepts | 5 |
| CHEM& 121 | Introduction to Chemistry | 5 |
| CHEM& 131 | Introduction to Organic/ Biochemistry | 5 |
| CHEM& 161 | General Chemistry I | 5 |
| CHEM& 162 | General Chemistry II | 5 |
| CHEM& 163 | General Chemistry III | 6 |
| CHEM& 261 | Organic Chemistry I | 6 |
| CHEM& 262 | Organic Chemistry II | 6 |
| CHEM& 263 | Organic Chemistry III | 6 |

## Computer Science (CSC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CSC& 142 | Intermediate Programming | 5 |

## Environmental Biology (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL 103 | Salmon, Ecosystems and Society | 5 |
| BIOL 106 | Introduction to Marine Biology | 5 |
| BIOL 125 | Environmental Science | 5 |
| BIOL 127 | Northwest Environments | 5 |
| BIOL& 221 | Majors Ecology/Evolution | 5 |
| ENVS 170 | Introduction to Stream Ecology | 5 |

## Oceanography (OCEA)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| OCEA& 100 | Introduction to Oceanography | 5 |

## Geology (GEOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| GEOL& 101 | Introduction to Physical Geology | 5 |
| GEOL 107 | Natural Disasters | 5 |
| GEOL& 208 | Geology of The Pacific Northwest | 5 |
| GEOL 218 | Environmental Geology | 5 |

## Mathematics (MATH) NS

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| MATH& 107 | Math In Society | 5 |
| MATH 140 | Precalculus for Business and Social Sciences | 5 |
| MATH& 141 | Precalculus I | 5 |
| MATH& 142 | Precalculus II | 5 |
| MATH& 146 | Introduction to Statistics | 5 |
| MATH& 148 | Business Calculus | 5 |
| MATH& 151 | Calculus I | 5 |
| MATH& 152 | Calculus II | 5 |
| MATH& 153 | Calculus III | 5 |
| MATH 200 | Finite Mathematics | 5 |
| MATH 211 | Linear Algebra | 5 |
| MATH 238 | Differential Equations | 5 |
| MATH& 254 | Calculus IV | 5 |

## Meteorology (METR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| METR 110 | Earth's Changing Climate | 5 |
| METR 210 | Introduction to Weather & Climate | 5 |

## Nutrition (NUTR)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| NUTR& 101 | Nutrition | 5 |
| NUTR 105 | Nutrition In Healthcare I | 1 |
| NUTR 106 | Nutrition In Healthcare II | 1 |
| NUTR 107 | Nutrition In Healthcare III | 1 |
| NUTR 202 | Nutrition In Healthcare IV | 1 |

## Physical Education (PEH)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| PEH 286 | Exercise Physiology | 5 |
| PEH 288 | Anatomical Kinesiology | 5 |

## Physics (PHYS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 100 | Physics for Non-Science Majors | 5 |
| PHYS& 114 | General Physics I w/Lab | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |
| PHYS& 221 | Engineering Physics I | 5 |
| PHYS& 222 | Engineering Physics II | 5 |
| PHYS& 223 | Engineering Physics III | 5 |

## Science/Technology/Engineering/Math (STEM)

**Elective Credits** 2.0

| Course ID | Title | Credits |
|---|---|---|
| STEM 201 | Research Methods I | 2 |
| STEM 203 | Research Methods II | 2 |

## Zoology Biology (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 213 | Majors Animals | 5 |
| BIOL 217 | Introduction to Ornithology | 5 |
| BIOL& 241 | Human Anatomy & Physiology I | 5 |
| BIOL& 242 | Human Anatomy & Physiology II | 5 |

## American Indian Indigenous Studies (AIIS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| AIIS 102 | Introduction to American Indian Indigenous Studies | 5 |
| AIIS 103 | The Indigenous Pacific Northwest | 5 |
| AIIS 150 | History of American Indian Education | 5 |
| AIIS 202 | Contemporary Topics In AIIS | 5 |
| AIIS 209 | Native American History to 1815 | 5 |
| AIIS 210 | Native North America 1815 to Present | 5 |
| AIIS 240 | Indigenous Women of North America | 5 |

## Anthropology (ANTH) [SS]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 100 | Survey of Anthropology | 5 |
| ANTH& 204 | Archaeology | 5 |
| ANTH& 206 | Cultural Anthropology | 5 |
| ANTH& 207 | Introduction to Linguistics | 5 |
| ANTH& 217 | Plateau Native Peoples | 5 |
| ANTH 220 | Cross-Cultural Studies | 5 |

## Early Childhood Education (ECED)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ECED& 105 | Introduction to Early Childhood Education | 5 |

## Economics (ECON)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ECON 101 | Introduction to Economics | 5 |
| ECON& 201 | Micro Economics | 5 |
| ECON& 202 | Macro Economics | 5 |

## Education (EDUC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 115 | Child Development | 5 |

## Geography (GEOG)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| GEOG& 100 | Introduction to Geography | 5 |
| GEOG& 102 | World Regional Geography | 5 |
| GEOG 150 | Introduction to Sustainability | 5 |
| GEOG& 207 | Geography of The Economy | 5 |
| GEOG 215 | Introduction to GIS | 5 |

## History (HIST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| HIST& 116 | Western Civilization I | 5 |
| HIST& 117 | Western Civilization II | 5 |
| HIST& 118 | Western Civilization III | 5 |
| HIST& 146 | US History I | 5 |
| HIST& 147 | US History II | 5 |
| HIST 202 | The American Constitution: From Constitutional Convention to the Present | 5 |
| HIST& 214 | Pacific Northwest History | 5 |
| HIST& 215 | Women In US History | 5 |
| HIST& 219 | Native American History | 5 |
| HIST 230 | History/First Peoples of The Plateau Region | 5 |
| HIST 238 | US History 1945 to Present | 5 |
| HIST 240 | Hip Hop History: A Movement that Rewrote History without a Pen | 5 |
| HIST 260 | History of Mexico | 5 |
| HIST 261 | Latin America: History Through Revolution | 5 |
| HIST 271 | Eastern World History-Southeast Asia | 5 |
| HIST 274 | Eastern World History-East Asia | 5 |
| HIST 275 | Eastern World History-South Asia | 5 |

## Political Science (POLS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| POLS& 101 | Introduction to Political Science | 5 |
| POLS& 202 | American Government | 5 |
| POLS& 203 | International Relations | 5 |
| POLS 205 | Contemporary World Problems | 5 |
| POLS 206 | State and Local Politics | 5 |

## Psychology (PSYC)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| PSYC& 100 | General Psychology | 5 |
| PSYC 102 | Psychology of Adjustment | 5 |
| PSYC 105 | Psychosocial Issues In Healthcare I | 1 |
| PSYC& 200 | Lifespan Psychology | 5 |
| PSYC 202 | Psychosocial Issues In Healthcare II | 1 |
| PSYC 203 | Psychosocial Issues In Healthcare III | 3 |
| PSYC 204 | Psychosocial Issues In Healthcare IV | 1 |
| PSYC 205 | Human Sexuality | 5 |
| PSYC 215 | Psychology of Sport | 5 |
| PSYC& 220 | Abnormal Psychology | 5 |
| PSYC 245 | Social Psychology | 5 |

## Sociology (SOC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| SOC& 101 | Introduction to Sociology | 5 |
| SOC 110 | Introduction to Social Work | 5 |
| SOC 135 | Sociology of Women | 5 |
| SOC 151 | Sociology of Race and Ethnicity | 5 |
| SOC& 201 | Social Problems | 5 |
| SOC 203 | Sociology of Sport | 5 |
| SOC 225 | Sociology of Family | 5 |

## General Electives

***General Electives*** *are normally accepted at institutions that grant bachelor's degrees whether or not an AAS degree is earned. In addition to the list below, all courses listed in the sections of writing, quantitative/symbolic, humanities, natural sciences and social sciences distribution requirements may be used as general electives.*

* a maximum of three PEH/PEHR activity credits are allowed in degrees.

# Accounting (ACCT)

| Course ID | Title | Credits |
|---|---|---|
| ACCT& 201 | Principles of Accounting I | 5 |
| ACCT& 201 | Principles of Accounting I | 5 |
| ACCT& 203 | Principles of Accounting III | 5 |

# Agriculture (AGRI)

| Course ID | Title | Credits |
|---|---|---|
| AGRI 101 | Introduction to Agriculture | 3 |
| AGRI 108 | Introduction to Horticulture | 3 |

## Business Administration (BUS)

| Course ID | Title | Credits |
|---|---|---|
| BUS& 101 | Introduction to Business | 5 |
| BUS& 201 | Business Law | 5 |
| BUS 240 | Principles of Management | 5 |
| BUS 241 | Principles of Marketing | 5 |

## Chemical Dependency Studies (CDS):

| Course ID | Title | Credits |
|---|---|---|
| ASP 101 | Physiological Action of Alcohol and Other Drugs | 5 |

## Computer Science (CSC)

| Course ID | Title | Credits |
|---|---|---|
| CSC 110 | Introduction to Data Analytics | 5 |
| CSC& 141 | Programming Fundamentals | 5 |
| CSC 210 | Data Analytics Systems & Algorithms | 5 |
| CSC 215 | Advanced Data Analytics Systems & Algorithms | 5 |
| CSC 243 | Advanced Data Structures and Algorithms | 5 |

## Criminal Justice (CJ)

| Course ID | Title | Credits |
|---|---|---|
| CJ& 101 | Introduction to Criminal Justice | 5 |
| CJ& 105 | Introduction to Corrections | 5 |
| CJ& 106 | Introduction to Juvenile Justice | 5 |
| CJ& 110 | Criminal Law | 5 |

## Education (EDUC)

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 202 | Introduction to Education | 5 |
| EDUC& 204 | Exceptional Child (Introduction to Special Education) | 5 |
| EDUC 210 | Education Practicum | 3 |

## Engineering (ENGR)

| Course ID | Title | Credits |
|---|---|---|
| ENGR& 214 | Engineering Statics | 5 |

## Environmental Science (ENVS)

| Course ID | Title | Credits |
|---|---|---|
| ENVS 230 | Intro to Fisheries Science and Management | 5 |
| ENVS 231 | Introduction to Forest Resources | 5 |

## Latin (LATN)

| Course ID | Title | Credits |
|---|---|---|
| LATN 110 | Conversational Latin Workshop | 1-4 |
| LATN 220 | Conversational Latin Workshop | 1-4 |

## Math (MATH)

| Course ID | Title | Credits |
|---|---|---|
| MATH 195 | Mathematical Computing | 1 |

## Music (MUS)

| Course ID | Title | Credits |
|---|---|---|
| MUS 145 | Brass Class Instruction | 1 |
| MUS 146 | Woodwind (Single Reed) Class Instruction | 1 |

## Physical Education Activities (PEH)

* a maximum of three PEH/PEHR ***activity*** credits are allowed in degrees.

| Course ID | Title | Credits |
|---|---|---|
| PEH 102 | Total Conditioning: Body Blast Conditioning | 2 |
| PEH 104 | Body Conditioning: Weight Training | 2 |
| PEH 112 | Functional Movement Training for The Athlete | 1 |
| PEH 115 | Court Sports | 1 |
| PEH 116 | Court Sports | 2 |
| PEH 118 | Beginning Karate | 1 |
| PEH 119 | Tai Chi | 1 |
| PEH 120 | Beginning Fencing | 1 |
| PEH 121 | Pilates | 1 |
| PEH 122 | Yoga | 1 |
| PEH 123 | Yoga/Pilates | 2 |
| PEH 124 | Intermediate Yoga | 1 |
| PEH 125 | Golf | 1 |
| PEH 126 | Beginning Racquetball | 1 |
| PEH 127 | Yoga II | 2 |
| PEH 130 | Beginning Self-Defense | 1 |
| PEH 133 | Wilderness Backpacking | 2 |
| PEH 134 | Introduction to Rock Climbing | 2 |
| PEH 142 | Cross-Training | 1 |
| PEH 143 | Cross-Training | 2 |
| PEH 150 | Beginning Tennis | 1 |
| PEH 155 | Volleyball | 1 |
| PEH 161 | Fitness Lab | 1 |
| PEH 162 | Fitness Lab | 2 |
| PEH 226 | Advanced Racquetball | 2 |
| PEH 261 | Fitness Lab | 1 |
| PEH 262 | Fitness Lab | 2 |

## Physical Education Recreation Activities (PEHR)

* a maximum of three PEH/PEHR ***activity*** credits are allowed in degrees.

| Course ID | Title | Credits |
|---|---|---|
| PEHR 105 | Hiking In North Central Washington | 2 |
| PEHR 106 | Alpine Ski and Snowboard | 2 |
| PEHR 107 | Columbia River Rowing | 2 |
| PEHR 144 | Cross-Country Skiing | 1 |

## Physical Education Professional (PEH)

| Course ID | Title | Credits |
|---|---|---|
| PEH 180 | Personal Wellness | 3 |
| PEH 181 | Health and Wellness | 5 |
| PEH 182 | 1st Aid-Responding to Emergencies | 5 |
| PEH 189 | Athletic Training Practicum I | 1 |
| PEH 250 | Ace Personal Trainer Certification | 3 |
| PEH 283 | Sports Nutrition | 3 |
| PEH 284 | Foundations of Fitness | 3 |
| PEH 285 | Introduction to Physical Education | 3 |
| PEH 287 | Athletic Training | 5 |
| PEH 289 | Athletic Training Practicum II | 2 |

## Physical Education Recreation Professional (PEHR)

| Course ID | Title | Credits |
|---|---|---|
| PEHR 201 | Introduction to Recreation Management | 5 |
| PEHR 202 | Environmental Education | 5 |
| PEHR 204 | Intro to Outdoor Leadership and Facilitation | 3 |

### Restricted Electives - Max 15 Credits

**Restricted Electives** are courses numbered 100 or higher that do not normally transfer to institutions that grant bachelor's degrees. These courses are normally accepted only when included in the AAS degree. A maximum of 15 restricted credits can be included in the AAS degree under the Electives section. Any course numbered 100 or above that is not in the writing, quantitative/symbolic, humanities, natural sciences and social sciences distribution requirements can be considered a Restricted Elective course.

Note: Courses not listed here that were previously offered at WVC may still count toward a degree. Check with the registrar for a complete list of courses which count toward this degree.

# Associate in Nursing - Direct Transfer Agreement (DTA)

**Degree Type**
Direct Transfer Agreement (DTA/MRP)

WVC offers the pre-licensure nursing program as a career ladder with curriculum designed as an associate degree program. The nursing faculty of WVC view nurses as knowledgeable workers who possess unique skills and specific competencies. The nursing curriculum enables students in the program to achieve the knowledge and competencies that will lead to successful careers in the ever-changing healthcare system.

The WVC Nursing Program is approved by the Washington State Nursing Care Quality Assurance Commission and accredited by the Accreditation Commission for Education in Nursing (formerly known as the National League for Nursing Accrediting Commission) (www.acenursing.org), 3390 Peachtree Road NE, Suite 1400, Atlanta, GA 30326, 409-975-5000).

The nursing program is one of several limited-enrollment programs at WVC and as such adheres to specific entrance criteria. Access the nursing program's website at www.wvc.edu for the latest information regarding entry. The website contains up-to-date application dates and vital information about admission packets. Students may also call a WVC Allied Health Educational Planner for information on entering the program, 509-682-6844. Clinical courses in the nursing program may require attendance during day and evening shifts and some weekends. Students are also given out-of-town assignments for short periods of time and are responsible for living expenses and transportation to all clinical sites.

Completion of this degree prepares students for a pathway to the Bachelor of Science - Nursing upper division coursework but does not guarantee students admission to the major.

**Note: Conviction of certain crimes may prevent completion of the clinical course requirements of the program and may prevent future licensure and employment in the healthcare field**. A criminal record check is required prior to any clinical training experience or clinical field trips. Students who have a

criminal record should meet with the nursing program administrator to determine if the criminal history would prevent access to a healthcare facility.

**Prerequisites**

Complete all prerequisites by the end of spring quarter with a grade of "C" (2.0) or higher. See course descriptions for prerequisites and corequisites:

Students should start by taking the courses they placed into. Transfer students should talk to an educational planner to determine which courses to take first.

- CHEM& 121 Intro to Chemistry (5 credits)
- BIOL& 211 Majors Cellular (5 credits)
- BIOL& 241 Human Anatomy & Physiology 1 with lab* (5 credits)
- BIOL& 242 Human Anatomy & Physiology 2 with lab* (5 credits)
- BIOL& 260 Microbiology with lab* (5 credits)
- ENGL& 101 Composition: General (5 credits)
- MATH& 146 Introduction to Statistics (5 credits)
- PSYC& 100 General Psychology (5 credits)
- PSYC& 200 Lifespan Psychology (5 credits)
- One of the following:
  - Nursing Assistant Certificate of Completion from an approved program (www.wvc.edu/cna)
  - Current Washington State NA-C License

**Corequisites**

These courses can be completed after applying to the nursing program but try to complete these as early as possible.

- Communication Course (5 credits): Choose from ENGL 201, 202, 203 or 235
- Humanities Courses (10 credits): Choose two 5-credit courses from American Indian Indigenous Studies, Art, Chicano Studies, Communications, Drama, English (literature, creative writing, poetry, or fiction), Humanities, Music, Philosophy, Theater Arts or World Languages
  - Maximum five credits from World Languages in Humanities distribution.
  - Only five credits of Performance courses allowed in Humanities.

*Repetition of these courses (or equivalent) due to (a) earning a grade lower than a "C" (2.0), (b) withdrawal, or (c) changing from credit to audit mid-quarter will result in a deduction of points. Each repetition will result in additional deductions and deductions negatively affect the probability of success score. The deduction policy only applies to courses repeated since 2004.

***For additional nursing program admission information, visit*** www.wvc.edu/Nursing

## Upon admission to the nursing DTA/MRP program, complete the following courses

*Offered at Wenatchee and Omak campuses*

**Total prerequisite/corequisite credits 60**
**Total nursing credits 75**

| | | |
|---|---|---|
| | Total Credits | 135 |

**Course Sequencing**

## First Year - First Quarter

| Course ID | Title | Credits |
|---|---|---|
| NURS 101 | Foundations of Nursing I | 1 |
| NUTR 105 | Nutrition In Healthcare I | 1 |
| PSYC 105 | Psychosocial Issues In Healthcare I | 1 |
| NURS 121 | Introduction to Professional Nursing Concepts | 1 |
| PHIL 105 | Ethics and Policy In Healthcare I | 2 |
| PHARM 101 | Foundations of Pharmacology in Nursing | 2 |
| NURS 141 | Foundations in Nursing Practice: Skills Lab I | 2 |
| NURS 151 | Nursing Clinical I | 2 |
| NURS 161 | Nursing Simulation I | 2 |

## First Year - Second Quarter

| Course ID | Title | Credits |
|---|---|---|
| NURS 102 | Foundations of Nursing II | 3 |
| NURS 122 | Nursing Across the Lifespan | 1 |
| NUTR 106 | Nutrition In Healthcare II | 1 |
| PSYC 202 | Psychosocial Issues In Healthcare II | 1 |
| NURS 152 | Nursing Clinical II | 4 |
| NURS 162 | Nursing Simulation II | 2 |

## First Year - Third Quarter

| Course ID | Title | Credits |
|---|---|---|
| NURS 103 | Health and Illness I | 3 |
| NURS 123 | Maternal/Newborn Nursing | 2 |
| NUTR 107 | Nutrition In Healthcare III | 1 |
| NURS 153 | Nursing Clinical III | 4 |
| NURS 163 | Nursing Simulation III | 2 |

## Second Year - Fourth Quarter

| Course ID | Title | Credits |
|---|---|---|
| NURS 201 | Health and Illness II | 1 |
| PSYC 203 | Psychosocial Issues In Healthcare III | 3 |
| NURS 231 | Health Promotion in Nursing | 1 |
| NURS 241 | Nursing Skills Lab II | 1 |
| NURS 261 | Nursing Simulation IV | 1 |
| NUTR 202 | Nutrition In Healthcare IV | 1 |
| PHIL 201 | Ethics and Policy In Healthcare II | 1 |

## Second Year - Fifth Quarter

| Course ID | Title | Credits |
|---|---|---|
| NURS 202 | Health and Illness III | 3 |
| NURS 222 | Transition to Nursing Practice | 2 |
| PHIL 202 | Ethics and Policy In Healthcare III | 1 |
| NURS 252 | Nursing Clinical V | 4 |
| NURS 262 | Nursing Simulation V | 1 |

## Second Year - Sixth Quarter

| Course ID | Title | Credits |
|---|---|---|
| NURS 203 | Advanced Health and Illness Concepts | 3 |
| NURS 223 | Senior Seminar/NCLEX Preparation Course | 2 |
| PHIL 203 | Ethics and Policy In Healthcare IV | 1 |
| NURS 253 | Nursing Clinical VI | 5 |
| NURS 263 | Nursing Simulation VI | 1 |

***Students may complete any remaining corequisites during summer quarter*

**Application Requirements:**

- A completed WVC Application for Admission
- A completed supplemental application for admission to the WVC Nursing Program
- Sealed, official college transcripts from all colleges where the student has earned credit (excluding WVC)
- Cumulative GPA of 2.5 or higher
- Complete all prerequisites and corequisites with a "C" (2.0) or higher
- Attend an allied health information session (www.wvc.edu/AlliedHealth)
- Earn a qualifying score on the Test of Essential Academic Skills (www.wvc.edu/TEAS)
- Must be 18 by the start of the nursing program

**Students must fulfill the following requirements immediately following acceptance into the WVC Nursing Program:**

- Pay a non-refundable acceptance fee by the designated deadline.
- Provide a current Healthcare Provider CPR card. Must include but not be limited to first aid/ CPR/AED for adults, children and infants. The CPR card must be issued by a person or facility qualified specifically to instruct CPR for healthcare providers.
- Provide documentation of immunizations to the student immunization tracker (for a complete list go to www.wvc.edu/alliedhealth).
- Provide verification of major medical insurance (accident/injury) for participation in clinical learning experiences. Students should expect to pay an additional fee for this mandatory student insurance, unless they are currently covered by an insurance carrier and can provide proof of insurance. Students have the option to purchase the Washington State Community College insurance. Obtain a brochure at the cashier's office or at www.4studenthealth.relationinsurance.com.
- Provide background check information to provide clearance for participation in required clinical learning experiences. National background checks must go back at least six years and be submitted within 45 days of acceptance into the program through Complio.
- Provide results of a ten-panel drug test from Complio that is not older than 45 days from the start of class.
- Complete the allied health packet, which includes a student disclosure form, a child and adult abuse information act disclosure statement, a medical record form, a student release form and a student confidentiality form.
- Liability insurance is calculated into tuition and fees annually at the time of registration.
- Physical requirements include the ability to lift 50 pounds, carry 20 pounds, sit for four hours and stand for eight to twelve hours.

**Note:** Required documents are to be submitted to the student immunization tracker.

Note: Admission application deadlines to baccalaureate programs may vary and students must meet the deadline for the potential transfer institution(s) to which they plan to apply for transfer admission.

# Business Transfer Options

**Degree Type**
Associate in Arts Degree DTA
Associate in Business - DTA/MRP

Business schools in Washington state vary in their entry requirements. Work with an advisor as there are many ways that students can transfer from WVC to a four-year school and major in business:

1. Receive an associate in arts and sciences (AA-DTA) and include the required prerequisite business courses at their intended school of transfer. **Students need to work closely with their faculty advisor to ensure proper course sequencing.**
2. Receive a direct transfer degree in business (Business DTA). **Students need to work closely with their faculty advisor to ensure proper course sequencing.**

Students interested in either business degree option should contact their potential transfer institutions early regarding specific course choices in humanities, social sciences, business law or introduction to law, and in certain electives. Students should be aware of the potential transfer institution's requirements for overall minimum GPA, a higher GPA in selected subsets of courses or a specific minimum grade in one or more courses, such as math or English.

Students must have a cumulative 2.0 GPA or higher to receive this degree.

## *AA-DTA (emphasizing business)*

Generally accepted and/or required at all Washington state business schools:

- ACCT& 201 Principles of Accounting I (AA-DTA elective)
- ACCT& 202 Principles of Accounting II (AA-DTA elective)
- ACCT& 203 Principles of Accounting III (AA-DTA elective)
- BUS& 201 Business Law (AA-DTA elective)
- ECON& 201 Micro Economics
- ECON& 202 Macro Economics (may use one economics class as AA-DTA social science and one as AA-DTA elective)
- MATH 140 Precalculus for Business and Social Sciences* or MATH& 141 Precalculus I (AAS-DTA quantitative skills)
- MATH& 146 Introduction to Statistics (AA-DTA natural science)

Recommended and/or required at selected Washington state schools of business (see advisor):

- MATH& 148 Business Calculus (UW, WSU, WWU)
- MATH 200 Finite Math (WSU, EWU, CWU)

**Students who do not meet course requirements should take a prerequisite class or classes based on placement.*

## *Associate in Business – DTA/MRP*

## Writing: 10 credits

A grade of 2.0 or higher ("C" grade) in ENGL courses is required for graduation.

To meet Eastern Washington University requirements, the second English composition course must be equivalent to EWU's English 201 College Compositions: Analysis, Research and Documentation.

| Course ID | Title | Credits |
|---|---|---|
| | English (ENGL&) 101 required | 5.0 |
| | Select five credits from English | 5.0 |

## Quantitative/Symbolic: 10 credits

| Course ID | Title | Credits |
|---|---|---|
| MATH& 148 | Business Calculus | 5 |
| MATH 200 | Finite Mathematics | 5 |

## Humanities (15 credits)

*Courses must be from two different subject areas. Subject areas appear below in bold.*

Maximum five credits from World Languages in Humanities distribution.

*Only five credits of Performance courses allowed in Humanities.*

*Performances courses are:*

- *ART 106, 107, 110, 111, 113, 116, 117, 130, 131, 132, 133, 134, 135, 137, 138, 139, 141, 142, 143, 150, 151, 152, 154, 155, 201, 202, 203, 206, 208, 210, 211, 212, 213, 217, 218, 219, 220, 222, 224, 225, 233, 234, 235, 236, 250, 256*
- *MUSIC 110, 111, 112, 120, 125, 161, 170, 172, 173, 174, 175, 177, 210, 211, 212, 221, 261, 270, 272, 273, 274, 275, 277*
- *THTR 165, 265*

Students intending to seek the international business major after this degree should consult the potential transfer institution to determine the level and number of world language credits that are required for admission. This information will help guide your course choices.

| Course ID | Title | Credits |
|---|---|---|
| | American Indian Indigenous Studies (AIIS) [H] | 5.0 |
| | Art (ART) | 5.0 |
| | Chicano Studies (CHST) | 5.0 |
| | Communication Studies (CMST) | 5.0 |
| | Drama (DRMA) | 5.0 |
| | English (ENGL) | 5.0 |
| | Humanities (HUMN) | 5.0 |
| | Journalism (JOUR) | 5.0 |
| | Music (MUS) | 1.0-5 |
| | Philosophy (PHIL) | 1.0-5 |
| | Theater Arts (THTR) | 5.0 |
| | World Languages | 5.0 |

## Natural Sciences: 15 credits

MATH& 146 is required, plus 10 credits in physical, biological and/or earth science. One course must include a lab.

Students intending to major in manufacturing management at Western Washington University should consult WWU regarding the selection of natural science courses required for admission to the major.

| Course ID | Title | Credits |
|---|---|---|
| MATH& 146 | Introduction to Statistics | 5 |
| | Lab Science Courses (Minimum five credits) | 5.0 |
| | Non-lab Science Courses (Maximum of five credits) | 5.0 |

## Social Sciences: 15 credits

ECON& 201 and ECON& 202 required

An additional five credits to be selected from the list below.

Students should consult the potential transfer institution to determine which additional social science course best pertains to their major of study. This information will help guide your course choices.

| Course ID | Title | Credits |
|---|---|---|
| ECON& 201 | Micro Economics | 5 |
| ECON& 202 | Macro Economics | 5 |
| | American Indian Indigenous Studies (AIIS) | 5.0 |
| | Anthropology (ANTH) [SS] | 5.0 |
| | Chicano Studies (CHST) | 5.0 |
| | Early Childhood Education (ECED) | 5.0 |
| | Education (EDUC) | 5.0 |
| | Geography (GEOG) | 5.0 |
| | History (HIST) | 5.0 |
| | Political Science (POLS) | 5.0 |
| | Psychology (PSYC) | 1.0-5 |
| | Sociology (SOC) | 5.0 |

## Business Courses: 20 Credits

*The courses listed are all required to satisfy this distribution:*

| Course ID | Title | Credits |
|---|---|---|
| ACCT& 201 | Principles of Accounting I | 5 |
| ACCT& 202 | Principles of Accounting II | 5 |
| ACCT& 203 | Principles of Accounting III | 5 |
| BUS& 201 | Business Law | 5 |

## Electives: 5 credits

An additional five credits can be selected from those courses considered to be transferable to another college. These do not normally include courses that are part of a technical program, independent study/special topics courses or courses with a course number under 100.
A maximum of three Physical Education (PEH) activity credits will be allowed toward this degree.

*Note: Courses not listed here that were previously offered at WVC may still count toward a degree. Check with the registrar for a complete list of courses which count toward this degree.*

| | |
|---|---|
| Total Credits | 90 |

**Advising Notes:**

- To meet Eastern Washington University requirements, the second English composition course must be equivalent to EWU's English 201 College Compositions: Analysis, Research and Documentation.
- Students intending to major in manufacturing management at Western Washington University should consult WWU regarding the selection of natural science courses required for admission to the major.
- Business Law and Introduction to Law are two distinct subject areas with minimal content overlap.
- Meeting the minimum requirements of this degree does not guarantee admission to a four-year university in Washington.

**Program outcomes**

Students who complete the Business Transfer degree will be prepared to:

- Transfer to a four-year university in Washington and enter the business program or related field with all preadmission requirements completed.
- Continue studying business successfully at a four-year school with required knowledge, competence, and skills necessary to be successful.
- Solve problems of basic business concepts in accounting, economics, math, and law.
- Successfully read, write, and communicate using business language and terminology.

### English (ENGL&) 101 required

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |

### Select five credits from English

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ENGL 201 | Composition: Advanced Essay | 5 |
| ENGL 202 | Composition: Critical Analysis | 5 |
| ENGL 203 | Composition: Research | 5 |
| ENGL& 235 | Technical Writing | 5 |

### American Indian Indigenous Studies (AIIS) [H]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| AIIS 170 | Film & Cinema Through The Indigenous Lens | 5 |
| AIIS 203 | Introduction to AIIS Literature | 5 |

### Art (ART)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ART& 100 | Art Appreciation | 5 |
| ART 106 | Design 2-Dimensional Composition and Color | 5 |
| ART 107 | 3D Design Introduction to Sculpture | 5 |
| ART 110 | Drawing I | 5 |
| ART 111 | Figure Drawing I | 5 |
| ART 113 | Drawing II | 5 |
| ART 116 | Drawing: Figure II | 5 |
| ART 117 | Drawing: Figure III | 5 |
| ART 130 | Graphic Design Technology I | 5 |
| ART 131 | Graphic Design Technology II | 5 |
| ART 132 | 3D Digital Design 1: Intro to 3D Computer Aided Modeling | 5 |
| ART 133 | 3D Digital Design 2: Advanced Modeling, Rendering and Presentation | 5 |
| ART 134 | Introduction to Graphic Design | 5 |
| ART 135 | Graphic Design I | 5 |
| ART 137 | Typography | 5 |
| ART 138 | Digital Photography | 5 |
| ART 139 | Publication Design & Layout | 5 |
| ART 141 | Illustration I | 5 |
| ART 142 | Illustration II | 5 |
| ART 143 | Natural Science Illustration | 5 |
| ART 150 | Ceramics I | 5 |
| ART 151 | Ceramics II | 5 |
| ART 152 | Ceramics III | 5 |
| ART 154 | Sculpture 1 | 5 |
| ART 155 | Sculpture 2 | 5 |
| ART 201 | Art History Survey: Ancient to Medieval | 5 |
| ART 202 | Art History Survey: Renaissance | 5 |
| ART 203 | Art History Survey: Modern | 5 |
| ART 204 | Contemporary Art History | 5 |
| ART 206 | Printmaking: Intaglio | 5 |
| ART 208 | Printmaking: Relief | 5 |
| ART 210 | Painting I | 5 |
| ART 211 | Painting II | 5 |
| ART 212 | Painting III | 5 |
| ART 213 | Watercolor I | 5 |
| ART 217 | Native American Beading I | 5 |
| ART 218 | Native American Beading II | 5 |
| ART 219 | Native American Beading III | 5 |
| ART 220 | Painting: Advanced | 5 |
| ART 222 | Drawing: Advanced | 5 |
| ART 224 | Printmaking 1 | 5 |
| ART 225 | Printmaking: Advanced | 5 |
| ART 233 | Packaging Design | 5 |
| ART 234 | Graphic Design II | 5 |
| ART 235 | Web Graphic Design | 5 |
| ART 236 | Graphic Design- Branding | 5 |
| ART 250 | Ceramics: Advanced | 5 |
| ART 256 | Sculpture: Advanced | 5 |

## Chicano Studies (CHST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CHST 120 | Identity, Art & Culture | 5 |

## Communication Studies (CMST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CMST& 101 | Introduction to Communication | 5 |
| CMST 130 | Survey of Digital Communications | 5 |
| CMST& 210 | Interpersonal Communication | 5 |
| CMST& 220 | Public Speaking | 5 |

## Drama (DRMA)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| DRMA& 101 | Introduction to Theatre | 5 |

## English (ENGL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 111 | Introduction to Literature | 5 |
| ENGL& 112 | Introduction to Fiction | 5 |
| ENGL& 113 | Introduction to Poetry | 5 |
| ENGL 135 | Creative Writing | 5 |
| ENGL 215 | Fantasy Fiction | 5 |
| ENGL& 226 | British Literature | 5 |
| ENGL 240 | World Literature | 5 |
| ENGL 247 | Multicultural Literature | 5 |
| ENGL 250 | American Literature | 5 |
| ENGL 255 | Women's Literature | 5 |
| ENGL 275 | Fiction Writing | 5 |
| ENGL 276 | Poetry Writing | 5 |
| ENGL 106 | Introduction to Ecoliterature | 5 |

## Humanities (HUMN)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| HUM& 101 | Introduction to Humanities | 5 |
| HUM& 116 | Humanities I | 5 |
| HUM& 117 | Humanities II | 5 |
| HUM& 118 | Humanities III | 5 |
| HUMN 141 | Film & Culture | 5 |
| HUMN 206 | Mythology & Symbolism | 5 |
| HUMN 207 | Comics & Graphic Novels | 5 |
| HUMN 242 | Global Cinema | 5 |

## Journalism (JOUR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| JOUR 101 | Introduction to Journalism | 5 |

## Music (MUS)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| MUS 100 | Introduction to Music | 5 |
| MUSC& 105 | Music Appreciation | 5 |
| MUS 110 | Individual Voice Instruction | 1 |
| MUS 111 | Individual Piano Instruction | 1 |
| MUS 112 | Individual Instrument Instruction | 1 |
| MUS 113 | Jazz History | 5 |
| MUS 114 | Survey of Rock: History of Rock Styles | 3 |
| MUS 116 | Introduction to The Music/Audio Technology I | 5 |
| MUS 120 | Voice Class Instruction | 1 |
| MUSC& 121 | Ear Training I | 2 |
| MUSC& 122 | Ear Training II | 2 |
| MUSC& 123 | Ear Training III | 2 |
| MUS 125 | Piano Class Instruction | 1 |
| MUSC& 131 | Music Theory 1 | 3 |
| MUSC& 132 | Music Theory 2 | 3 |
| MUSC& 133 | Music Theory 3 | 3 |
| MUS 161 | Community Chorus | 1 |
| MUS 170 | WVC Chamber Choir | 2 |
| MUS 172 | Vocal Jazz Ensemble | 2 |
| MUS 173 | Mariachi Music | 2 |
| MUS 174 | Jazz Ensemble | 1-2 |
| MUS 175 | Instrumental Ensemble | 1-2 |
| MUS 177 | Guitar Orchestra | 1-2 |
| MUS 210 | Individual Voice Instruction | 1 |
| MUS 211 | Individual Piano Instruction | 1 |
| MUS 212 | Individual Instrument Instruction | 1 |
| MUS 221 | Piano Class Instruction | 1 |
| MUSC& 241 | Music Theory 4 | 5 |
| MUSC& 242 | Music Theory 5 | 5 |
| MUSC& 243 | Music Theory 6 | 5 |
| MUS 261 | Community Chorus | 1 |
| MUS 270 | WVC Chamber Choir | 2 |
| MUS 272 | WVC Vocal Jazz Ensemble | 2 |
| MUS 273 | Mariachi Music | 2 |
| MUS 274 | Jazz Ensemble | 1-2 |
| MUS 275 | Instrumental Ensemble | 1-2 |
| MUS 277 | Guitar Orchestra | 1-2 |

## Philosophy (PHIL)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| PHIL& 101 | Introduction to Philosophy | 5 |
| PHIL 105 | Ethics and Policy In Healthcare I | 2 |
| PHIL& 115 | Critical Thinking | 5 |
| PHIL& 120 | Symbolic Logic | 5 |
| PHIL 201 | Ethics and Policy In Healthcare II | 1 |
| PHIL 202 | Ethics and Policy In Healthcare III | 1 |
| PHIL 203 | Ethics and Policy In Healthcare IV | 1 |
| PHIL 210 | Philosophy of Religion | 5 |
| PHIL 211 | Introduction to Ethics | 5 |
| PHIL 275 | Comparative World Religions | 5 |

## Theater Arts (THTR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| THTR 165 | Acting I | 5 |
| THTR 170 | Production & Administration | 5 |
| THTR 265 | Acting II | 5 |

## World Languages

**Elective Credits** 5.0

(Maximum five credits from World Languages in Humanities distribution):

# American Sign Language (ASL)

| Course ID | Title | Credits |
|---|---|---|
| ASL& 121 | American Sign Language I | 5 |
| ASL& 122 | American Sign Language II | 5 |
| ASL& 123 | American Sign Language III | 5 |
| ASL& 221 | American Sign Language IV | 5 |
| ASL& 222 | American Sign Language V | 5 |
| ASL& 223 | American Sign Language VI | 5 |

# German (GERM)

| Course ID | Title | Credits |
|---|---|---|
| GERM& 121 | German I | 5 |
| GERM& 122 | German II | 5 |
| GERM& 123 | German III | 5 |

# Japanese (JAPN)

| Course ID | Title | Credits |
|---|---|---|
| JAPN& 121 | Japanese I | 5 |
| JAPN& 122 | Japanese II | 5 |
| JAPN& 123 | Japanese III | 5 |
| JAPN& 221 | Japanese IV | 5 |
| JAPN& 222 | Japanese V | 5 |
| JAPN& 223 | Japanese VI | 5 |

# Latin (LATN)

| Course ID | Title | Credits |
|---|---|---|
| LATN 101 | Latin I | 5 |
| LATN 102 | Latin II | 5 |
| LATN 103 | Latin III | 5 |

# Native American Languages (NAL)

| Course ID | Title | Credits |
|---|---|---|
| NAL 101 | Native American Language I: nselxcin | 5 |
| NAL 102 | Native American Language II: nselxcin | 5 |
| NAL 103 | Native American Language III: nselxcin | 5 |
| NAL 111 | Native American Language I: nimipu | 5 |
| NAL 112 | Native American Language II: nimipu | 5 |
| NAL 113 | Native American Language III: nimipu | 5 |
| NAL 121 | Native American Language I: nxa?amxcin | 5 |
| NAL 122 | Native American Language II: nxa?amxcin | 5 |
| NAL 123 | Native American Language III: nxa?amxcin | 5 |
| NAL 204 | Native American Language IV: nselxcin | 5 |
| NAL 205 | Native American Language V: nselxcin | 5 |
| NAL 206 | Native American Language VI: nselxcin | 5 |
| NAL 214 | Native American Language IV: nimipu | 5 |
| NAL 215 | Native American Language V: nimipu | 5 |
| NAL 216 | Native American Language VI: nimipu | 5 |
| NAL 224 | Native American Language IV: nxa?amxcin | 5 |
| NAL 225 | Native American Language V: nxa?amxcin | 5 |
| NAL 226 | Native American Language VI: nxa?amxcin | 5 |

## Spanish

| Course ID | Title | Credits |
|---|---|---|
| SPAN& 121 | Spanish I | 5 |
| SPAN& 122 | Spanish II | 5 |
| SPAN& 123 | Spanish III | 5 |
| SPAN& 221 | Spanish IV | 5 |
| SPAN& 222 | Spanish V | 5 |
| SPAN& 223 | Spanish VI | 5 |
| SPAN 231 | Spanish for Heritage Learners I | 5 |
| SPAN 232 | Spanish for Heritage Learners II | 5 |
| SPAN 233 | Spanish for Heritage Learners III | 5 |

Lab Science Courses (Minimum five credits)

**Elective Credits** 5.0

## Anthropology

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 205 | Biological Anthropology | 5 |

## Astronomy

| Course ID | Title | Credits |
|---|---|---|
| ASTR& 101 | Introduction to Astronomy | 5 |

## Biology

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 100 | Survey of Biology | 5 |
| BIOL 125 | Environmental Science | 5 |
| BIOL 126 | Survey of Genetics | 5 |
| BIOL 127 | Northwest Environments | 5 |
| BIOL 185 | Insects & Ecosystems | 5 |
| BIOL 186 | Survey of Plants of The Pacific Northwest | 5 |
| BIOL& 211 | Majors Cellular | 5 |
| BIOL& 212 | Majors Plants | 5 |
| BIOL& 213 | Majors Animals | 5 |
| BIOL 216 | Plant Classification | 5 |
| BIOL 217 | Introduction to Ornithology | 5 |
| BIOL 218 | Insect Classification | 5 |
| BIOL 230 | Ethnobotany | 5 |
| BIOL& 241 | Human Anatomy & Physiology I | 5 |
| BIOL& 242 | Human Anatomy & Physiology II | 5 |
| BIOL& 260 | Microbiology | 5 |

## Chemistry

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 110 | Chemical Concepts | 5 |
| CHEM& 121 | Introduction to Chemistry | 5 |
| CHEM& 131 | Introduction to Organic/ Biochemistry | 5 |
| CHEM& 161 | General Chemistry I | 5 |
| CHEM& 162 | General Chemistry II | 5 |
| CHEM& 163 | General Chemistry III | 6 |
| CHEM& 261 | Organic Chemistry I | 6 |
| CHEM& 262 | Organic Chemistry II | 6 |
| CHEM& 263 | Organic Chemistry III | 6 |

## Geology

| Course ID | Title | Credits |
|---|---|---|
| GEOL& 101 | Introduction to Physical Geology | 5 |
| GEOL& 208 | Geology of The Pacific Northwest | 5 |

## Meteorology

| Course ID | Title | Credits |
|---|---|---|
| METR 210 | Introduction to Weather & Climate | 5 |

## Physics

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 114 | General Physics I w/Lab | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |
| PHYS& 221 | Engineering Physics I | 5 |
| PHYS& 222 | Engineering Physics II | 5 |
| PHYS& 223 | Engineering Physics III | 5 |

Non-lab Science Courses (Maximum of five credits)

**Elective Credits** 5.0

## Biology

| Course ID | Title | Credits |
|---|---|---|
| BIOL 103 | Salmon, Ecosystems and Society | 5 |
| BIOL 106 | Introduction to Marine Biology | 5 |
| BIOL& 221 | Majors Ecology/Evolution | 5 |

## Chemistry

| Course ID | Title | Credits |
|---|---|---|
| CHEM 106 | Drugs in Society | 5 |

## Computer Science

| Course ID | Title | Credits |
|---|---|---|
| CSC& 142 | Intermediate Programming | 5 |

## Geology

| Course ID | Title | Credits |
|---|---|---|
| GEOL 107 | Natural Disasters | 5 |
| GEOL 218 | Environmental Geology | 5 |

## Meteorology

| Course ID | Title | Credits |
|---|---|---|
| METR 110 | Earth's Changing Climate | 5 |

## Nutrition

| Course ID | Title | Credits |
|---|---|---|
| NUTR 105 | Nutrition In Healthcare I | 1 |
| NUTR 106 | Nutrition In Healthcare II | 1 |
| NUTR 107 | Nutrition In Healthcare III | 1 |
| NUTR 202 | Nutrition In Healthcare IV | 1 |

## Oceanography

| Course ID | Title | Credits |
|---|---|---|
| OCEA& 100 | Introduction to Oceanography | 5 |

## Physical Education

| Course ID | Title | Credits |
|---|---|---|
| PEH 286 | Exercise Physiology | 5 |
| PEH 288 | Anatomical Kinesiology | 5 |

## Physics

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 100 | Physics for Non-Science Majors | 5 |

## Science/Technology/Engineering/Math (STEM)

| Course ID | Title | Credits |
|---|---|---|
| STEM 201 | Research Methods I | 2 |
| STEM 203 | Research Methods II | 2 |

### American Indian Indigenous Studies (AIIS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| AIIS 102 | Introduction to American Indian Indigenous Studies | 5 |
| AIIS 103 | The Indigenous Pacific Northwest | 5 |
| AIIS 150 | History of American Indian Education | 5 |
| AIIS 202 | Contemporary Topics In AIIS | 5 |
| AIIS 209 | Native American History to 1815 | 5 |
| AIIS 210 | Native North America 1815 to Present | 5 |
| AIIS 240 | Indigenous Women of North America | 5 |

### Anthropology (ANTH) [SS]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 100 | Survey of Anthropology | 5 |
| ANTH& 204 | Archaeology | 5 |
| ANTH& 206 | Cultural Anthropology | 5 |
| ANTH& 207 | Introduction to Linguistics | 5 |
| ANTH& 217 | Plateau Native Peoples | 5 |
| ANTH 220 | Cross-Cultural Studies | 5 |

### Chicano Studies (CHST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CHST 112 | Chicano/a History: An American Journey | 5 |
| CHST 115 | La Chicana: Gender History & Intellectualism | 5 |

### Early Childhood Education (ECED)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ECED& 105 | Introduction to Early Childhood Education | 5 |

### Education (EDUC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 115 | Child Development | 5 |

### Geography (GEOG)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| GEOG& 100 | Introduction to Geography | 5 |
| GEOG& 102 | World Regional Geography | 5 |
| GEOG 150 | Introduction to Sustainability | 5 |
| GEOG& 207 | Geography of The Economy | 5 |
| GEOG 215 | Introduction to GIS | 5 |

## History (HIST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| HIST& 116 | Western Civilization I | 5 |
| HIST& 117 | Western Civilization II | 5 |
| HIST& 118 | Western Civilization III | 5 |
| HIST& 146 | US History I | 5 |
| HIST& 147 | US History II | 5 |
| HIST 202 | The American Constitution: From Constitutional Convention to the Present | 5 |
| HIST& 214 | Pacific Northwest History | 5 |
| HIST& 215 | Women In US History | 5 |
| HIST& 219 | Native American History | 5 |
| HIST 230 | History/First Peoples of The Plateau Region | 5 |
| HIST 238 | US History 1945 to Present | 5 |
| HIST 240 | Hip Hop History: A Movement that Rewrote History without a Pen | 5 |
| HIST 260 | History of Mexico | 5 |
| HIST 261 | Latin America: History Through Revolution | 5 |
| HIST 271 | Eastern World History-Southeast Asia | 5 |
| HIST 274 | Eastern World History-East Asia | 5 |
| HIST 275 | Eastern World History-South Asia | 5 |

## Political Science (POLS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| POLS& 101 | Introduction to Political Science | 5 |
| POLS& 202 | American Government | 5 |
| POLS& 203 | International Relations | 5 |
| POLS 205 | Contemporary World Problems | 5 |
| POLS 206 | State and Local Politics | 5 |

## Psychology (PSYC)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| PSYC& 100 | General Psychology | 5 |
| PSYC 102 | Psychology of Adjustment | 5 |
| PSYC 105 | Psychosocial Issues In Healthcare I | 1 |
| PSYC& 200 | Lifespan Psychology | 5 |
| PSYC 202 | Psychosocial Issues In Healthcare II | 1 |
| PSYC 203 | Psychosocial Issues In Healthcare III | 3 |
| PSYC 204 | Psychosocial Issues In Healthcare IV | 1 |
| PSYC 205 | Human Sexuality | 5 |
| PSYC 215 | Psychology of Sport | 5 |
| PSYC& 220 | Abnormal Psychology | 5 |
| PSYC 245 | Social Psychology | 5 |

## Sociology (SOC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| SOC& 101 | Introduction to Sociology | 5 |
| SOC 110 | Introduction to Social Work | 5 |
| SOC 135 | Sociology of Women | 5 |
| SOC 151 | Sociology of Race and Ethnicity | 5 |
| SOC& 201 | Social Problems | 5 |
| SOC 203 | Sociology of Sport | 5 |
| SOC 225 | Sociology of Family | 5 |

# Pathway for English Literature - Direct Transfer Agreement (DTA)

**Degree Type**
Associate in Arts Degree DTA

The courses listed here align closely with the knowledge, skills, and abilities expected of students preparing for an English Literature major. They are designed to provide the strongest preparation for transfer into an English Literature program at a four-year institution.

Core program courses may have prerequisite requirements. English and mathematics courses require qualifying assessment scores or acceptable preparatory coursework in these subjects. See course descriptions for details.

| | |
|---|---|
| Total Credits | 90 |

**Course Sequencing**

## Writing: 10 credits

**AA-DTA Requirement: ENGL& 101 and ENGL 201, 202, 203 or ENGL& 235**

**Recommended Course Selections:**

- ENGL& 101: Composition (required)
- ENGL 202: Critical Analysis or ENGL 203: Research Composition

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |
| | English (ENGL) | 5.0 |

## Quantitative/Symbolic: 5 credits

**Students may select any courses that meet the quantitative and symbolic requirements for an AA-DTA at WVC.**

**Recommended Course Selection:**

- MATH& 107: Math in Society

Students may also select alternative courses that fulfill the Quantitative/Symbolic requirements for the *AA-DTA at WVC*.

| Course ID | Title | Credits |
|---|---|---|
| | Mathematics (MATH) Q | 5.0 |
| | Philosophy (PHIL) [Q] | 5.0 |

## Humanities: 15 credits

**AA-DTA Requirement: 15 credits of Humanities from three different subject areas.**

**Recommended Course Selection:**

- ENGL& 111: Introduction to Literature or ENGL 247: Multicultural Literature
- HUMN 206: Mythology & Symbolism
- PHIL 210: Philosophy of Religion or PHIL 275: Comparative World Re**ligions**

Students may also select alternative courses that fulfill the Quantitative/Symbolic requirements for the AA-DTA at WVC.

| Course ID | Title | Credits |
|---|---|---|
| | American Indian Indigenous Studies (AIIS) [H] | 5.0 |
| | Art (ART) | 5.0 |
| | Chicano Studies (CHST) | 5.0 |
| | Communication Studies (CMST) | 5.0 |
| | Drama (DRMA) | 5.0 |
| | English (ENGL) | 5.0 |
| | Humanities (HUMN) | 5.0 |
| | Journalism (JOUR) | 5.0 |
| | Music (MUS) | 1.0-5 |
| | Philosophy (PHIL) | 1.0-5 |
| | Theater Arts (THTR) | 5.0 |
| | World Languages | 5.0 |

## Social Sciences: 15 credits

**AA-DTA Requirement: 15 credits of Social Science from three different subject areas.**

**Recommended Course Selection:**

- GEOG& 100: Introduction to Geography
- POLS& 101: Introduction to Political Science
- PSYC& 100: General Psychology

Students may also select alternative courses that fulfill the Quantitative/Symbolic requirements for the *AA-DTA at WVC*.

| Course ID | Title | Credits |
|---|---|---|
| | American Indian Indigenous Studies (AIIS) | 5.0 |
| | Anthropology (ANTH) [SS] | 5.0 |
| | Chicano Studies (CHST) | 5.0 |
| | Early Childhood Education (ECED) | 5.0 |
| | Economics (ECON) | 5.0 |
| | Education (EDUC) | 5.0 |
| | Geography (GEOG) | 5.0 |
| | History (HIST) | 5.0 |
| | Political Science (POLS) | 5.0 |
| | Psychology (PSYC) | 1.0-5 |
| | Sociology (SOC) | 5.0 |

## Natural Sciences: 15 credits

**AA-DTA Requirement: 15 credits of Natural Science from three different subject areas.**

**Recommended Course Selection:**

- ASTR& 101: Introduction to Astronomy
- BIOL 125: Environmental Science
- GEOL& 101: Introduction to Geology or GEOL& 208: Geology of the Pacific Northwest

Students may also select alternative courses that fulfill the Quantitative/Symbolic requirements for the *AA-DTA at WVC*.

| Course ID | Title | Credits |
|---|---|---|
| | Anthropology (ANTH) [NS] | 5.0 |
| | Astronomy (ASTR) | 5.0 |
| | Biology General (BIOL) | 5.0 |
| | Botany Biology (BIOL) | 5.0 |
| | Chemistry/Science Requirement | 5.0 |
| | Computer Science (CSC) | 5.0 |
| | Environmental Biology (BIOL) | 5.0 |
| | Oceanography (OCEA) | 5.0 |
| | Geology (GEOL) | 5.0 |
| | Math/Science Requirement | 10.0-15 |
| | Nutrition (NUTR) | 1.0-5 |
| | Physics (PHYS) | 5.0 |
| | Science/Technology/ Engineering/Math (STEM) | 2.0 |
| | Zoology Biology (BIOL) | 5.0 |
| | Lab Science Courses (Minimum five credits) | 5.0 |

## Electives: 30 credits

**AA-DTA Requirement: 30 credits of Electives**

**No more than 15 credits of Restricted Electives (RE)**

**No more than three PEH/PEHR activity credits**

**Recommended Course Selections:**

- ENGL 135: Creative Writing
- ENGL 226: British Literature
- ENGL 250: American Literature
- HIST& 146: US History I or HIST& 147: US History II
- AIIS 203: Introduction to AIIS Literature or CHST 120: Chicano Studies

Students may also select alternative courses that fulfill the Quantitative/Symbolic requirements for the *AA-DTA at WVC*.

| Course ID | Title | Credits |
|---|---|---|
| | General Electives | |
| | Restricted Electives - Max 15 Credits | |
| | Diversity Elective | 5.0 |

Note: Courses not listed here that were previously offered at WVC may still count toward a degree. Check with the registrar for a complete list of courses that count toward this degree.

The DTA requires at least five credits from diversity courses. There are designated [Di] on this guide. Other courses are available. Refer to the WVC catalog and website for additional information.

### English (ENGL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 111 | Introduction to Literature | 5 |
| ENGL& 112 | Introduction to Fiction | 5 |
| ENGL& 113 | Introduction to Poetry | 5 |
| ENGL 135 | Creative Writing | 5 |
| ENGL 215 | Fantasy Fiction | 5 |
| ENGL& 226 | British Literature | 5 |
| ENGL 240 | World Literature | 5 |
| ENGL 247 | Multicultural Literature | 5 |
| ENGL 250 | American Literature | 5 |
| ENGL 255 | Women's Literature | 5 |
| ENGL 275 | Fiction Writing | 5 |
| ENGL 276 | Poetry Writing | 5 |
| ENGL 106 | Introduction to Ecoliterature | 5 |

### Mathematics (MATH) Q

**Elective Credits** 5.0

## Mathematics

| Course ID | Title | Credits |
|---|---|---|
| MATH& 107 | Math In Society | 5 |
| MATH 140 | Precalculus for Business and Social Sciences | 5 |
| MATH& 141 | Precalculus I | 5 |
| MATH& 142 | Precalculus II | 5 |
| MATH& 146 | Introduction to Statistics | 5 |
| MATH& 148 | Business Calculus | 5 |
| MATH& 151 | Calculus I | 5 |
| MATH& 152 | Calculus II | 5 |
| MATH& 153 | Calculus III | 5 |
| MATH 200 | Finite Mathematics | 5 |
| MATH 211 | Linear Algebra | 5 |
| MATH 238 | Differential Equations | 5 |
| MATH& 254 | Calculus IV | 5 |

### Philosophy (PHIL) [Q]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| PHIL& 120 | Symbolic Logic | 5 |

### American Indian Indigenous Studies (AIIS) [H]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| AIIS 170 | Film & Cinema Through The Indigenous Lens | 5 |
| AIIS 203 | Introduction to AIIS Literature | 5 |

### Art (ART)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ART& 100 | Art Appreciation | 5 |
| ART 106 | Design 2-Dimensional Composition and Color | 5 |
| ART 107 | 3D Design Introduction to Sculpture | 5 |
| ART 110 | Drawing I | 5 |
| ART 111 | Figure Drawing I | 5 |
| ART 113 | Drawing II | 5 |
| ART 116 | Drawing: Figure II | 5 |
| ART 117 | Drawing: Figure III | 5 |
| ART 130 | Graphic Design Technology I | 5 |
| ART 131 | Graphic Design Technology II | 5 |
| ART 132 | 3D Digital Design 1: Intro to 3D Computer Aided Modeling | 5 |
| ART 133 | 3D Digital Design 2: Advanced Modeling, Rendering and Presentation | 5 |
| ART 134 | Introduction to Graphic Design | 5 |
| ART 135 | Graphic Design I | 5 |
| ART 137 | Typography | 5 |
| ART 138 | Digital Photography | 5 |
| ART 139 | Publication Design & Layout | 5 |
| ART 141 | Illustration I | 5 |
| ART 142 | Illustration II | 5 |
| ART 143 | Natural Science Illustration | 5 |
| ART 150 | Ceramics I | 5 |
| ART 151 | Ceramics II | 5 |
| ART 152 | Ceramics III | 5 |
| ART 154 | Sculpture 1 | 5 |
| ART 155 | Sculpture 2 | 5 |
| ART 201 | Art History Survey: Ancient to Medieval | 5 |
| ART 202 | Art History Survey: Renaissance | 5 |
| ART 203 | Art History Survey: Modern | 5 |
| ART 204 | Contemporary Art History | 5 |
| ART 206 | Printmaking: Intaglio | 5 |
| ART 208 | Printmaking: Relief | 5 |
| ART 210 | Painting I | 5 |
| ART 211 | Painting II | 5 |
| ART 212 | Painting III | 5 |
| ART 213 | Watercolor I | 5 |
| ART 217 | Native American Beading I | 5 |
| ART 218 | Native American Beading II | 5 |
| ART 219 | Native American Beading III | 5 |
| ART 220 | Painting: Advanced | 5 |
| ART 222 | Drawing: Advanced | 5 |
| ART 224 | Printmaking 1 | 5 |
| ART 225 | Printmaking: Advanced | 5 |
| ART 233 | Packaging Design | 5 |
| ART 234 | Graphic Design II | 5 |
| ART 235 | Web Graphic Design | 5 |
| ART 236 | Graphic Design- Branding | 5 |
| ART 250 | Ceramics: Advanced | 5 |
| ART 256 | Sculpture: Advanced | 5 |

## Chicano Studies (CHST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CHST 120 | Identity, Art & Culture | 5 |

## Communication Studies (CMST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CMST& 101 | Introduction to Communication | 5 |
| CMST 130 | Survey of Digital Communications | 5 |
| CMST& 210 | Interpersonal Communication | 5 |
| CMST& 220 | Public Speaking | 5 |

## Drama (DRMA)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| DRMA& 101 | Introduction to Theatre | 5 |

## Humanities (HUMN)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| HUM& 101 | Introduction to Humanities | 5 |
| HUM& 116 | Humanities I | 5 |
| HUM& 117 | Humanities II | 5 |
| HUM& 118 | Humanities III | 5 |
| HUMN 141 | Film & Culture | 5 |
| HUMN 206 | Mythology & Symbolism | 5 |
| HUMN 207 | Comics & Graphic Novels | 5 |
| HUMN 242 | Global Cinema | 5 |

## Journalism (JOUR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| JOUR 101 | Introduction to Journalism | 5 |

## Music (MUS)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| MUS 100 | Introduction to Music | 5 |
| MUSC& 105 | Music Appreciation | 5 |
| MUS 110 | Individual Voice Instruction | 1 |
| MUS 111 | Individual Piano Instruction | 1 |
| MUS 112 | Individual Instrument Instruction | 1 |
| MUS 113 | Jazz History | 5 |
| MUS 114 | Survey of Rock: History of Rock Styles | 3 |
| MUS 116 | Introduction to The Music/Audio Technology I | 5 |
| MUS 120 | Voice Class Instruction | 1 |
| MUSC& 121 | Ear Training I | 2 |
| MUSC& 122 | Ear Training II | 2 |
| MUSC& 123 | Ear Training III | 2 |
| MUS 125 | Piano Class Instruction | 1 |
| MUSC& 131 | Music Theory 1 | 3 |
| MUSC& 132 | Music Theory 2 | 3 |
| MUSC& 133 | Music Theory 3 | 3 |
| MUS 161 | Community Chorus | 1 |
| MUS 170 | WVC Chamber Choir | 2 |
| MUS 172 | Vocal Jazz Ensemble | 2 |
| MUS 173 | Mariachi Music | 2 |
| MUS 174 | Jazz Ensemble | 1-2 |
| MUS 175 | Instrumental Ensemble | 1-2 |
| MUS 177 | Guitar Orchestra | 1-2 |
| MUS 210 | Individual Voice Instruction | 1 |
| MUS 211 | Individual Piano Instruction | 1 |
| MUS 212 | Individual Instrument Instruction | 1 |
| MUS 221 | Piano Class Instruction | 1 |
| MUSC& 241 | Music Theory 4 | 5 |
| MUSC& 242 | Music Theory 5 | 5 |
| MUSC& 243 | Music Theory 6 | 5 |
| MUS 261 | Community Chorus | 1 |
| MUS 270 | WVC Chamber Choir | 2 |
| MUS 272 | WVC Vocal Jazz Ensemble | 2 |
| MUS 273 | Mariachi Music | 2 |
| MUS 274 | Jazz Ensemble | 1-2 |
| MUS 275 | Instrumental Ensemble | 1-2 |
| MUS 277 | Guitar Orchestra | 1-2 |

## Philosophy (PHIL)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| PHIL& 101 | Introduction to Philosophy | 5 |
| PHIL 105 | Ethics and Policy In Healthcare I | 2 |
| PHIL& 115 | Critical Thinking | 5 |
| PHIL& 120 | Symbolic Logic | 5 |
| PHIL 201 | Ethics and Policy In Healthcare II | 1 |
| PHIL 202 | Ethics and Policy In Healthcare III | 1 |
| PHIL 203 | Ethics and Policy In Healthcare IV | 1 |
| PHIL 210 | Philosophy of Religion | 5 |
| PHIL 211 | Introduction to Ethics | 5 |
| PHIL 275 | Comparative World Religions | 5 |

## Theater Arts (THTR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| THTR 165 | Acting I | 5 |
| THTR 170 | Production & Administration | 5 |
| THTR 265 | Acting II | 5 |

## World Languages

**Elective Credits** 5.0

(Maximum five credits from World Languages in Humanities distribution):

# American Sign Language (ASL)

| Course ID | Title | Credits |
|---|---|---|
| ASL& 121 | American Sign Language I | 5 |
| ASL& 122 | American Sign Language II | 5 |
| ASL& 123 | American Sign Language III | 5 |
| ASL& 221 | American Sign Language IV | 5 |
| ASL& 222 | American Sign Language V | 5 |
| ASL& 223 | American Sign Language VI | 5 |

# German (GERM)

| Course ID | Title | Credits |
|---|---|---|
| GERM& 121 | German I | 5 |
| GERM& 122 | German II | 5 |
| GERM& 123 | German III | 5 |

## Japanese (JAPN)

| Course ID | Title | Credits |
|---|---|---|
| JAPN& 121 | Japanese I | 5 |
| JAPN& 122 | Japanese II | 5 |
| JAPN& 123 | Japanese III | 5 |
| JAPN& 221 | Japanese IV | 5 |
| JAPN& 222 | Japanese V | 5 |
| JAPN& 223 | Japanese VI | 5 |

## Latin (LATN)

| Course ID | Title | Credits |
|---|---|---|
| LATN 101 | Latin I | 5 |
| LATN 102 | Latin II | 5 |
| LATN 103 | Latin III | 5 |

## Native American Languages (NAL)

| Course ID | Title | Credits |
|---|---|---|
| NAL 101 | Native American Language I: nselxcin | 5 |
| NAL 102 | Native American Language II: nselxcin | 5 |
| NAL 103 | Native American Language III: nselxcin | 5 |
| NAL 111 | Native American Language I: nimipu | 5 |
| NAL 112 | Native American Language II: nimipu | 5 |
| NAL 113 | Native American Language III: nimipu | 5 |
| NAL 121 | Native American Language I: nxa?amxcin | 5 |
| NAL 122 | Native American Language II: nxa?amxcin | 5 |
| NAL 123 | Native American Language III: nxa?amxcin | 5 |
| NAL 204 | Native American Language IV: nselxcin | 5 |
| NAL 205 | Native American Language V: nselxcin | 5 |
| NAL 206 | Native American Language VI: nselxcin | 5 |
| NAL 214 | Native American Language IV: nimipu | 5 |
| NAL 215 | Native American Language V: nimipu | 5 |
| NAL 216 | Native American Language VI: nimipu | 5 |
| NAL 224 | Native American Language IV: nxa?amxcin | 5 |
| NAL 225 | Native American Language V: nxa?amxcin | 5 |
| NAL 226 | Native American Language VI: nxa?amxcin | 5 |

## Spanish

| Course ID | Title | Credits |
|---|---|---|
| SPAN& 121 | Spanish I | 5 |
| SPAN& 122 | Spanish II | 5 |
| SPAN& 123 | Spanish III | 5 |
| SPAN& 221 | Spanish IV | 5 |
| SPAN& 222 | Spanish V | 5 |
| SPAN& 223 | Spanish VI | 5 |
| SPAN 231 | Spanish for Heritage Learners I | 5 |
| SPAN 232 | Spanish for Heritage Learners II | 5 |
| SPAN 233 | Spanish for Heritage Learners III | 5 |

### American Indian Indigenous Studies (AIIS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| AIIS 102 | Introduction to American Indian Indigenous Studies | 5 |
| AIIS 103 | The Indigenous Pacific Northwest | 5 |
| AIIS 150 | History of American Indian Education | 5 |
| AIIS 202 | Contemporary Topics In AIIS | 5 |
| AIIS 209 | Native American History to 1815 | 5 |
| AIIS 210 | Native North America 1815 to Present | 5 |
| AIIS 240 | Indigenous Women of North America | 5 |

### Anthropology (ANTH) [SS]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 100 | Survey of Anthropology | 5 |
| ANTH& 204 | Archaeology | 5 |
| ANTH& 206 | Cultural Anthropology | 5 |
| ANTH& 207 | Introduction to Linguistics | 5 |
| ANTH& 217 | Plateau Native Peoples | 5 |
| ANTH 220 | Cross-Cultural Studies | 5 |

### Chicano Studies (CHST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CHST 112 | Chicano/a History: An American Journey | 5 |
| CHST 115 | La Chicana: Gender History & Intellectualism | 5 |

## Early Childhood Education (ECED)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ECED& 105 | Introduction to Early Childhood Education | 5 |

## Economics (ECON)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ECON 101 | Introduction to Economics | 5 |
| ECON& 201 | Micro Economics | 5 |
| ECON& 202 | Macro Economics | 5 |

## Education (EDUC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 115 | Child Development | 5 |

## Geography (GEOG)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| GEOG& 100 | Introduction to Geography | 5 |
| GEOG& 102 | World Regional Geography | 5 |
| GEOG 150 | Introduction to Sustainability | 5 |
| GEOG& 207 | Geography of The Economy | 5 |
| GEOG 215 | Introduction to GIS | 5 |

## History (HIST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| HIST& 116 | Western Civilization I | 5 |
| HIST& 117 | Western Civilization II | 5 |
| HIST& 118 | Western Civilization III | 5 |
| HIST& 146 | US History I | 5 |
| HIST& 147 | US History II | 5 |
| HIST 202 | The American Constitution: From Constitutional Convention to the Present | 5 |
| HIST& 214 | Pacific Northwest History | 5 |
| HIST& 215 | Women In US History | 5 |
| HIST& 219 | Native American History | 5 |
| HIST 230 | History/First Peoples of The Plateau Region | 5 |
| HIST 238 | US History 1945 to Present | 5 |
| HIST 240 | Hip Hop History: A Movement that Rewrote History without a Pen | 5 |
| HIST 260 | History of Mexico | 5 |
| HIST 261 | Latin America: History Through Revolution | 5 |
| HIST 271 | Eastern World History-Southeast Asia | 5 |
| HIST 274 | Eastern World History-East Asia | 5 |
| HIST 275 | Eastern World History-South Asia | 5 |

## Political Science (POLS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| POLS& 101 | Introduction to Political Science | 5 |
| POLS& 202 | American Government | 5 |
| POLS& 203 | International Relations | 5 |
| POLS 205 | Contemporary World Problems | 5 |
| POLS 206 | State and Local Politics | 5 |

## Psychology (PSYC)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| PSYC& 100 | General Psychology | 5 |
| PSYC 102 | Psychology of Adjustment | 5 |
| PSYC 105 | Psychosocial Issues In Healthcare I | 1 |
| PSYC& 200 | Lifespan Psychology | 5 |
| PSYC 202 | Psychosocial Issues In Healthcare II | 1 |
| PSYC 203 | Psychosocial Issues In Healthcare III | 3 |
| PSYC 204 | Psychosocial Issues In Healthcare IV | 1 |
| PSYC 205 | Human Sexuality | 5 |
| PSYC 215 | Psychology of Sport | 5 |
| PSYC& 220 | Abnormal Psychology | 5 |
| PSYC 245 | Social Psychology | 5 |

## Sociology (SOC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| SOC& 101 | Introduction to Sociology | 5 |
| SOC 110 | Introduction to Social Work | 5 |
| SOC 135 | Sociology of Women | 5 |
| SOC 151 | Sociology of Race and Ethnicity | 5 |
| SOC& 201 | Social Problems | 5 |
| SOC 203 | Sociology of Sport | 5 |
| SOC 225 | Sociology of Family | 5 |

## Anthropology (ANTH) [NS]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 205 | Biological Anthropology | 5 |

## Astronomy (ASTR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ASTR& 101 | Introduction to Astronomy | 5 |

## Biology General (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 100 | Survey of Biology | 5 |
| BIOL 126 | Survey of Genetics | 5 |
| BIOL 185 | Insects & Ecosystems | 5 |
| BIOL& 211 | Majors Cellular | 5 |
| BIOL 218 | Insect Classification | 5 |
| BIOL& 260 | Microbiology | 5 |

## Botany Biology (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL 186 | Survey of Plants of The Pacific Northwest | 5 |
| BIOL& 212 | Majors Plants | 5 |
| BIOL 216 | Plant Classification | 5 |
| BIOL 230 | Ethnobotany | 5 |

## Chemistry/Science Requirement

**Elective Credits** 5.0

Chemistry 161 for Engineering majors; others select five credits of science based on advising.

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 161 | General Chemistry I | 5 |

## Computer Science (CSC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CSC& 142 | Intermediate Programming | 5 |

## Environmental Biology (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL 103 | Salmon, Ecosystems and Society | 5 |
| BIOL 106 | Introduction to Marine Biology | 5 |
| BIOL 125 | Environmental Science | 5 |
| BIOL 127 | Northwest Environments | 5 |
| BIOL& 221 | Majors Ecology/Evolution | 5 |
| ENVS 170 | Introduction to Stream Ecology | 5 |

## Oceanography (OCEA)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| OCEA& 100 | Introduction to Oceanography | 5 |

## Geology (GEOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| GEOL& 101 | Introduction to Physical Geology | 5 |
| GEOL 107 | Natural Disasters | 5 |
| GEOL& 208 | Geology of The Pacific Northwest | 5 |
| GEOL 218 | Environmental Geology | 5 |

## Math/Science Requirement

**Elective Credits** 10.0-15.0

With advising, choose from:

### Biology

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 221 | Majors Ecology/Evolution | 5 |

### Chemistry

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 121 | Introduction to Chemistry | 5 |
| CHEM& 131 | Introduction to Organic/ Biochemistry | 5 |
| CHEM& 261 | Organic Chemistry I | 6 |
| CHEM& 262 | Organic Chemistry II | 6 |
| CHEM& 263 | Organic Chemistry III | 6 |

### Organic Chemistry

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 261 | Organic Chemistry I | 6 |
| CHEM& 262 | Organic Chemistry II | 6 |
| CHEM& 263 | Organic Chemistry III | 6 |

### Geology

| Course ID | Title | Credits |
|---|---|---|
| GEOL& 101 | Introduction to Physical Geology | 5 |
| GEOL& 208 | Geology of The Pacific Northwest | 5 |
| GEOL 218 | Environmental Geology | 5 |

### Math

| Course ID | Title | Credits |
|---|---|---|
| MATH& 146 | Introduction to Statistics | 5 |
| MATH& 153 | Calculus III | 5 |
| MATH 200 | Finite Mathematics | 5 |
| MATH 211 | Linear Algebra | 5 |
| MATH 238 | Differential Equations | 5 |

### Physics

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 114 | General Physics I w/Lab | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |
| PHYS& 221 | Engineering Physics I | 5 |
| PHYS& 222 | Engineering Physics II | 5 |
| PHYS& 223 | Engineering Physics III | 5 |

## Nutrition (NUTR)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| NUTR& 101 | Nutrition | 5 |
| NUTR 105 | Nutrition In Healthcare I | 1 |
| NUTR 106 | Nutrition In Healthcare II | 1 |
| NUTR 107 | Nutrition In Healthcare III | 1 |
| NUTR 202 | Nutrition In Healthcare IV | 1 |

## Physics (PHYS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 100 | Physics for Non-Science Majors | 5 |
| PHYS& 114 | General Physics I w/Lab | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |
| PHYS& 221 | Engineering Physics I | 5 |
| PHYS& 222 | Engineering Physics II | 5 |
| PHYS& 223 | Engineering Physics III | 5 |

## Science/Technology/Engineering/Math (STEM)

**Elective Credits** 2.0

| Course ID | Title | Credits |
|---|---|---|
| STEM 201 | Research Methods I | 2 |
| STEM 203 | Research Methods II | 2 |

## Zoology Biology (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 213 | Majors Animals | 5 |
| BIOL 217 | Introduction to Ornithology | 5 |
| BIOL& 241 | Human Anatomy & Physiology I | 5 |
| BIOL& 242 | Human Anatomy & Physiology II | 5 |

Lab Science Courses (Minimum five credits)

**Elective Credits** 5.0

## Anthropology

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 205 | Biological Anthropology | 5 |

## Astronomy

| Course ID | Title | Credits |
|---|---|---|
| ASTR& 101 | Introduction to Astronomy | 5 |

## Biology

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 100 | Survey of Biology | 5 |
| BIOL 125 | Environmental Science | 5 |
| BIOL 126 | Survey of Genetics | 5 |
| BIOL 127 | Northwest Environments | 5 |
| BIOL 185 | Insects & Ecosystems | 5 |
| BIOL 186 | Survey of Plants of The Pacific Northwest | 5 |
| BIOL& 211 | Majors Cellular | 5 |
| BIOL& 212 | Majors Plants | 5 |
| BIOL& 213 | Majors Animals | 5 |
| BIOL 216 | Plant Classification | 5 |
| BIOL 217 | Introduction to Ornithology | 5 |
| BIOL 218 | Insect Classification | 5 |
| BIOL 230 | Ethnobotany | 5 |
| BIOL& 241 | Human Anatomy & Physiology I | 5 |
| BIOL& 242 | Human Anatomy & Physiology II | 5 |
| BIOL& 260 | Microbiology | 5 |

## Chemistry

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 110 | Chemical Concepts | 5 |
| CHEM& 121 | Introduction to Chemistry | 5 |
| CHEM& 131 | Introduction to Organic/ Biochemistry | 5 |
| CHEM& 161 | General Chemistry I | 5 |
| CHEM& 162 | General Chemistry II | 5 |
| CHEM& 163 | General Chemistry III | 6 |
| CHEM& 261 | Organic Chemistry I | 6 |
| CHEM& 262 | Organic Chemistry II | 6 |
| CHEM& 263 | Organic Chemistry III | 6 |

## Geology

| Course ID | Title | Credits |
|---|---|---|
| GEOL& 101 | Introduction to Physical Geology | 5 |
| GEOL& 208 | Geology of The Pacific Northwest | 5 |

## Meteorology

| Course ID | Title | Credits |
|---|---|---|
| METR 210 | Introduction to Weather & Climate | 5 |

## Physics

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 114 | General Physics I w/Lab | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |
| PHYS& 221 | Engineering Physics I | 5 |
| PHYS& 222 | Engineering Physics II | 5 |
| PHYS& 223 | Engineering Physics III | 5 |

General Electives

***General Electives*** *are normally accepted at institutions that grant bachelor's degrees whether or not an AAS degree is earned. In addition to the list below, all courses listed in the sections of writing, quantitative/symbolic, humanities, natural sciences and social sciences distribution requirements may be used as general electives.*

* a maximum of three PEH/PEHR activity credits are allowed in degrees.

## Accounting (ACCT)

| Course ID | Title | Credits |
|---|---|---|
| ACCT& 201 | Principles of Accounting I | 5 |
| ACCT& 201 | Principles of Accounting I | 5 |
| ACCT& 203 | Principles of Accounting III | 5 |

## Agriculture (AGRI)

| Course ID | Title | Credits |
|---|---|---|
| AGRI 101 | Introduction to Agriculture | 3 |
| AGRI 108 | Introduction to Horticulture | 3 |

## Business Administration (BUS)

| Course ID | Title | Credits |
|---|---|---|
| BUS& 101 | Introduction to Business | 5 |
| BUS& 201 | Business Law | 5 |
| BUS 240 | Principles of Management | 5 |
| BUS 241 | Principles of Marketing | 5 |

## Chemical Dependency Studies (CDS):

| Course ID | Title | Credits |
|---|---|---|
| ASP 101 | Physiological Action of Alcohol and Other Drugs | 5 |

## Computer Science (CSC)

| Course ID | Title | Credits |
|---|---|---|
| CSC 110 | Introduction to Data Analytics | 5 |
| CSC& 141 | Programming Fundamentals | 5 |
| CSC 210 | Data Analytics Systems & Algorithms | 5 |
| CSC 215 | Advanced Data Analytics Systems & Algorithms | 5 |
| CSC 243 | Advanced Data Structures and Algorithms | 5 |

## Criminal Justice (CJ)

| Course ID | Title | Credits |
|---|---|---|
| CJ& 101 | Introduction to Criminal Justice | 5 |
| CJ& 105 | Introduction to Corrections | 5 |
| CJ& 106 | Introduction to Juvenile Justice | 5 |
| CJ& 110 | Criminal Law | 5 |

## Education (EDUC)

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 202 | Introduction to Education | 5 |
| EDUC& 204 | Exceptional Child (Introduction to Special Education) | 5 |
| EDUC 210 | Education Practicum | 3 |

## Engineering (ENGR)

| Course ID | Title | Credits |
|---|---|---|
| ENGR& 214 | Engineering Statics | 5 |

## Environmental Science (ENVS)

| Course ID | Title | Credits |
|---|---|---|
| ENVS 230 | Intro to Fisheries Science and Management | 5 |
| ENVS 231 | Introduction to Forest Resources | 5 |

## Latin (LATN)

| Course ID | Title | Credits |
|---|---|---|
| LATN 110 | Conversational Latin Workshop | 1-4 |
| LATN 220 | Conversational Latin Workshop | 1-4 |

## Math (MATH)

| Course ID | Title | Credits |
|---|---|---|
| MATH 195 | Mathematical Computing | 1 |

## Music (MUS)

| Course ID | Title | Credits |
|---|---|---|
| MUS 145 | Brass Class Instruction | 1 |
| MUS 146 | Woodwind (Single Reed) Class Instruction | 1 |

## Physical Education Activities (PEH)

* a maximum of three PEH/PEHR ***activity*** credits are allowed in degrees.

| Course ID | Title | Credits |
|---|---|---|
| PEH 102 | Total Conditioning: Body Blast Conditioning | 2 |
| PEH 104 | Body Conditioning: Weight Training | 2 |
| PEH 112 | Functional Movement Training for The Athlete | 1 |
| PEH 115 | Court Sports | 1 |
| PEH 116 | Court Sports | 2 |
| PEH 118 | Beginning Karate | 1 |
| PEH 119 | Tai Chi | 1 |
| PEH 120 | Beginning Fencing | 1 |
| PEH 121 | Pilates | 1 |
| PEH 122 | Yoga | 1 |
| PEH 123 | Yoga/Pilates | 2 |
| PEH 124 | Intermediate Yoga | 1 |
| PEH 125 | Golf | 1 |
| PEH 126 | Beginning Racquetball | 1 |
| PEH 127 | Yoga II | 2 |
| PEH 130 | Beginning Self-Defense | 1 |
| PEH 133 | Wilderness Backpacking | 2 |
| PEH 134 | Introduction to Rock Climbing | 2 |
| PEH 142 | Cross-Training | 1 |
| PEH 143 | Cross-Training | 2 |
| PEH 150 | Beginning Tennis | 1 |
| PEH 155 | Volleyball | 1 |
| PEH 161 | Fitness Lab | 1 |
| PEH 162 | Fitness Lab | 2 |
| PEH 226 | Advanced Racquetball | 2 |
| PEH 261 | Fitness Lab | 1 |
| PEH 262 | Fitness Lab | 2 |

## Physical Education Recreation Activities (PEHR)

* a maximum of three PEH/PEHR ***activity*** credits are allowed in degrees.

| Course ID | Title | Credits |
|---|---|---|
| PEHR 105 | Hiking In North Central Washington | 2 |
| PEHR 106 | Alpine Ski and Snowboard | 2 |
| PEHR 107 | Columbia River Rowing | 2 |
| PEHR 144 | Cross-Country Skiing | 1 |

## Physical Education Professional (PEH)

| Course ID | Title | Credits |
|---|---|---|
| PEH 180 | Personal Wellness | 3 |
| PEH 181 | Health and Wellness | 5 |
| PEH 182 | 1st Aid-Responding to Emergencies | 5 |
| PEH 189 | Athletic Training Practicum I | 1 |
| PEH 250 | Ace Personal Trainer Certification | 3 |
| PEH 283 | Sports Nutrition | 3 |
| PEH 284 | Foundations of Fitness | 3 |
| PEH 285 | Introduction to Physical Education | 3 |
| PEH 287 | Athletic Training | 5 |
| PEH 289 | Athletic Training Practicum II | 2 |

## Physical Education Recreation Professional (PEHR)

| Course ID | Title | Credits |
|---|---|---|
| PEHR 201 | Introduction to Recreation Management | 5 |
| PEHR 202 | Environmental Education | 5 |
| PEHR 204 | Intro to Outdoor Leadership and Facilitation | 3 |

### Restricted Electives - Max 15 Credits

**Restricted Electives** are courses numbered 100 or higher that do not normally transfer to institutions that grant bachelor's degrees. These courses are normally accepted only when included in the AAS degree. A maximum of 15 restricted credits can be included in the AAS degree under the Electives section. Any course numbered 100 or above that is not in the writing, quantitative/symbolic, humanities, natural sciences and social sciences distribution requirements can be considered a Restricted Elective course.

Note: Courses not listed here that were previously offered at WVC may still count toward a degree. Check with the registrar for a complete list of courses which count toward this degree.

### Diversity Elective

**Elective Credits** 5.0

View wvc.edu/DR for list of diversity requirements.

# Pathway for Geography - Direct Transfer Agreement (DTA)

**Degree Type**
Associate in Arts Degree DTA

**Geography** is the scientific study of the interactions between human societies and the natural world across the globe. It is the study of places and the relationships between people and their environments using spatial analysis. Geography courses are designed to promote student exploration of cultural diversity, sustainability, and critical thinking based on reliable demographic and scientific data sources.

**Upon completion of the Geography program at WVC, students will be able to:**

1. Identify examples of human-environment interactions and assess the past, present, and future impact of those interactions.

2. Demonstrate an ability to critically understand quantitative and qualitative data sources, data bias, and multi-scalar analysis using geographic tools.

3. Demonstrate geographic literacy through the interpretation, identification, and construction of world and/or national maps.

4. Demonstrate an understanding of the patterns, trends, and impacts of population, natural resource use, migration, urbanization, industry, agriculture, and economic development.

5. Explain how structural racism, xenophobia, and cultural diversity shape geographic inequalities, environmental impacts, and economic opportunity in the US and abroad.

6. Propose sustainable alternatives to conventional development strategies.

**Core Topics covered in courses in the Geography Pathway include:**

- Systems Thinking (human and environment interaction)
- Climate Change and Climate Justice
- Maps and Geographic Literacy
- Physical Geography
- Population and Migration
- Cultural Diffusion
- Hunger and Food Systems
- Natural Resources and Waste
- Urbanization
- Industrialization
- Spatial Economy
- Uneven Development
- Gender and Social Inequalities
- World Regions
- Environmental Racism
- Sustainability

**Transfer Degrees in Geography in Washington State:**

- University of Washington: Degree Options: B.A. in Geography, B.A. in Geography: Data Science Option, Minor in Geography, B.A. with Honors in Geography
- Western Washington University: BA in Environmental Studies--Geography emphasis, Teaching Endorsements in Geography/Social Studies, BA and Geography--Elementary, BAE
- Central Washington University: BA in Geography, BS in Environmental & Resource Geography, BS in Geographic Information Systems, Minor in Geography
- Eastern Washington University: BA in Geosciences, BS in Geosciences, Minor in Geography, Minor in Sustainability, BA in Social Studies Education Program.
- Washington State University: BS in Earth & Environmental Sciences
- Evergreen State University: BA in Geography, BA in Political Economy, Global Studies, and Environmental Justice

**Jobs in Geography**

Geographers can be found working in every sector of the workforce. Some of the ways that geographers are making valuable contributions to the work and performance of businesses, nonprofits, and government agencies include understanding social systems, improving the environment, and enhancing economic efficiencies.

The American Association of Geographers list the following examples of jobs and careers with a Geography degree here: Environmental Scientist, Geophysicist, Climate Change Analyst, Forester, Emergency Management Specialist, Community Resource Manager, Environmental Economist, Demographer, Sustainability Coordinator, Cartographer, GIS Analyst, Surveyor, Urban and Regional Planner, Logistics Manager, Foreign Services Officer, Educator or Travel Guide.

| | |
|---|---|
| Total Credits | 90 |

**Course Sequencing**

## Fall Quarter - Year One

**The Associate of Arts Direct Transfer Agreement (AA-DTA) is designed for students to transfer with junior standing to universities in Washington state. It fulfills most, if not all, general education requirements at accepting institutions, making it a popular choice for students planning to transfer to a university.**

**A grade of 2.0 or higher ("C" grade) in ENGL courses is required for graduation. English and mathematics courses require qualifying assessment scores or acceptable preparatory coursework in these subjects. See course descriptions for details.**

**For the AA-DTA, you will need 10 credits of writing courses which must include ENGL&101, but you can take it anytime in your first year. You also need 5 credits of Math to graduate.**

**Recommended Course Selections:**

ENGL& 101: General Composition or other writing courses such as ENGL& 235 or ENGL 202, ENGL 203.

GEOG& 100: Introduction to Geography

MATH& 146: Statistics or other Math course such as Math 107

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |
| GEOG& 100 | Introduction to Geography | 5 |
| MATH& 146 | Introduction to Statistics | 5 |

## Winter Quarter - Year One

**Recommended Courses:**

GEOG& 102: World Regional Geography

BIOL& 100: Survey of Biology or other Natural Science course

ENGL& 247: Multicultural Literature or other Humanities course

| Course ID | Title | Credits |
|---|---|---|
| GEOG& 102 | World Regional Geography | 5 |
| BIOL& 100 | Survey of Biology | 5 |
| ENGL 247 | Multicultural Literature | 5 |
| | Natural Science (choose one) | 5.0 |
| | Humanities (HUMN) | 5.0 |

## Spring Quarter - Year One

**Recommended Courses:**

CMST& 101: Introduction to Communications

GEOL 218: Environmental Geology or METR 110 or other Natural Science

Elective Course (Consider BIOL 103 or ECON 101)

| Course ID | Title | Credits |
|---|---|---|
| CMST& 101 | Introduction to Communication | 5 |
| GEOL 218 | Environmental Geology | 5 |
| ECON 101 | Introduction to Economics | 5 |
| | Elective | 5.0 |

## Fall Quarter - Year Two

**Recommended Courses:**

ENGL 106: Introduction to Ecological Literature or other Humanities course

SOC 151: Sociology of Race & Ethnicity or ANTH& 206: Cultural Anthropology

Elective Course (Consider AIIS courses or HIST courses)

| Course ID | Title | Credits |
|---|---|---|
| ENGL 106 | Introduction to Ecoliterature | 5 |
| SOC 151 | Sociology of Race and Ethnicity | 5 |
| AIIS 102 | Introduction to American Indian Indigenous Studies | 5 |
| | Elective | 5.0 |

## Winter Quarter - Year Two

**Recommended Courses:**

GEOG 215: Introduction to GIS

MATH& 107: Math in Society or other Natural Science course

Elective Course (Consider GEOG&200 cross listed with NATR 235 or Botany)

| Course ID | Title | Credits |
|---|---|---|
| GEOG 215 | Introduction to GIS | 5 |
| MATH& 107 | Math In Society | 5 |
| GEOG& 200 | Introduction to Human Geography | 5 |
| | Botany Biology (BIOL) | 5.0 |

## Spring Quarter - Year Two

**A grade of 2.0 or higher ("C" grade) in ENGL courses is required for graduation.**

**Recommended Courses:**

GEOG 150: Introduction to Sustainability (Diversity course)

ENGL& 203: Research Writing or ENGL 235: Technical Writing

BCT 284: Project Management (restricted elective)

| Course ID | Title | Credits |
|---|---|---|
| GEOG 150 | Introduction to Sustainability | 5 |
| ENGL 203 | Composition: Research | 5 |
| BCT 284 | Project Management | 5 |

### Natural Science (choose one)

**Elective Credits** 5.0

### Humanities (HUMN)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| HUM& 101 | Introduction to Humanities | 5 |
| HUM& 116 | Humanities I | 5 |
| HUM& 117 | Humanities II | 5 |
| HUM& 118 | Humanities III | 5 |
| HUMN 141 | Film & Culture | 5 |
| HUMN 206 | Mythology & Symbolism | 5 |
| HUMN 207 | Comics & Graphic Novels | 5 |
| HUMN 242 | Global Cinema | 5 |

## Elective

**Elective Credits** 5.0

## Botany Biology (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL 186 | Survey of Plants of The Pacific Northwest | 5 |
| BIOL& 212 | Majors Plants | 5 |
| BIOL 216 | Plant Classification | 5 |
| BIOL 230 | Ethnobotany | 5 |

# Pathway for Humanities - Direct Transfer Agreement (DTA)

**Degree Type**
Associate in Arts Degree DTA

These courses provide the strongest alignment with the knowledge, skills, and abilities needed for success, and they will best prepare students for transfer to a four-year institution.

Core program courses may have prerequisite requirements. English and mathematics courses require qualifying assessment scores or acceptable preparatory coursework in these subjects. See course descriptions for details.

| | | |
|---|---|---|
| | Total Credits | 90 |

**Course Sequencing**

## Writing: 10 credits

**AA-DTA Requirement: ENGL& 101 AND ENGL 201, 203 AND ENGL& 235**

**Recommended Course Selections:**

- ENGL& 101: Composition (required)
- ENGL 202: Critical Analysis

Students may also choose alternative courses that fulfill the Writing requirement for the *AA-DTA at WVC*.

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |
| ENGL 202 | Composition: Critical Analysis | 5 |

## Quantitative/Symbolic: 5 credits

**Students may select any courses that meet the quantitative and symbolic requirements for an AA-DTA at WVC.**

**Recommended Course Selections:**

- MATH& 107: Math in Society

Students may also choose alternative courses that fulfill the Writing requirement for the *AA-DTA at WVC*.

| Course ID | Title | Credits |
|---|---|---|
| | Mathematics (MATH) Q | 5.0 |
| | Philosophy (PHIL) [Q] | 5.0 |

## Humanities: 15 credits

**AA-DTA Requirement: 15 credits of Humanities from three different subject areas.**

**Recommended Course Selections:**

- HUMN 141: Film and Culture
- PHIL 101: Introduction to Philosophy
- ENGL& 111: Introduction to Literature

Students may also choose alternative courses that fulfill the Writing requirement for the *AA-DTA at WVC*.

| Course ID | Title | Credits |
|---|---|---|
| | American Indian Indigenous Studies (AIIS) [H] | 5.0 |
| | Art (ART) | 5.0 |
| | Chicano Studies (CHST) | 5.0 |
| | Communication Studies (CMST) | 5.0 |
| | Drama (DRMA) | 5.0 |
| | English (ENGL) | 5.0 |
| | Humanities (HUMN) | 5.0 |
| | Journalism (JOUR) | 5.0 |
| | Music (MUS) | 1.0-5 |
| | Philosophy (PHIL) | 1.0-5 |
| | Theater Arts (THTR) | 5.0 |
| | World Languages | 5.0 |

## Social Sciences: 15 credits

**AA-DTA Requirement: 15 credits of Social Science from three different subject areas.**

**Recommended Course Selections:**

- ANTH& 100: Survey of Anthropology
- HIST& 146: US History I
- GEOG 150: Introduction to Sustainability

Students may also choose alternative courses that fulfill the Writing requirement for the *AA-DTA at WVC*.

| Course ID | Title | Credits |
|---|---|---|
| | American Indian Indigenous Studies (AIIS) | 5.0 |
| | Anthropology (ANTH) [SS] | 5.0 |
| | Chicano Studies (CHST) | 5.0 |
| | Early Childhood Education (ECED) | 5.0 |
| | Education (EDUC) | 5.0 |
| | Geography (GEOG) | 5.0 |
| | History (HIST) | 5.0 |
| | Political Science (POLS) | 5.0 |
| | Psychology (PSYC) | 1.0-5 |
| | Sociology (SOC) | 5.0 |

## Natural Sciences: 15 credits

**AA-DTA Requirement: 15 credits of Natural Science from three different subject areas. At least one course must include a lab component.**

**Recommended Course Selections:**

- ASTR& 101: Introduction to Astronomy
- ANTH& 205: Biological Anthropology
- GEOL& 208: Geology of the Pacific Northwest

Students may also choose alternative courses that fulfill the Writing requirement for the *AA-DTA at WVC*.

| Course ID | Title | Credits |
|---|---|---|
| | Anthropology (ANTH) [NS] | 5.0 |
| | Astronomy (ASTR) | 5.0 |
| | Biology General (BIOL) | 5.0 |
| | Botany Biology (BIOL) | 5.0 |
| | Chemistry/Science Requirement | 5.0 |
| | Computer Science (CSC) | 5.0 |
| | Environmental Biology (BIOL) | 5.0 |
| | Oceanography (OCEA) | 5.0 |
| | Geology (GEOL) | 5.0 |
| | Math/Science Requirement | 10.0-15 |
| | Nutrition (NUTR) | 1.0-5 |
| | Physics (PHYS) | 5.0 |
| | Science/Technology/ Engineering/Math (STEM) | 2.0 |
| | Zoology Biology (BIOL) | 5.0 |
| | Lab Science Courses (Minimum five credits) | 5.0 |
| | Physical Education (PEH) | 5.0 |

## Electives: 30 credits

**AA-DTA Requirement: 30 credits of Electives. No more than 15 credits of Restricted Electives [RE]. No more than three PEH/PEHR activity credits.**

**Recommended Course Selections:**

- HUMN 206: Mythology & Symbolism
- HUMN 207: Comic & Graphic Novels
- HUMN 242: Global Cinema
- ART& 100: Art Appreciation
- ENGL 135: Creative Writing
- PHIL 211: Introduction to Ethics

Students may also choose alternative courses that fulfill the Writing requirement for the *AA-DTA at WVC*.

| Course ID | Title | Credits |
|---|---|---|
| | General Electives | |
| | Restricted Electives - Max 15 Credits | |
| | Diversity Elective | 5.0 |

Note: Courses not listed here that were previously offered at WVC may still count toward a degree. Check with the registrar for a complete list of courses that count toward this degree.

The DTA requires at least five credits from diversity courses. These are designated [Di] on this guide. Other courses are available. Refer to the WVC catalog and website for additional information.

### Mathematics (MATH) Q

**Elective Credits** 5.0

## Mathematics

| Course ID | Title | Credits |
|---|---|---|
| MATH& 107 | Math In Society | 5 |
| MATH 140 | Precalculus for Business and Social Sciences | 5 |
| MATH& 141 | Precalculus I | 5 |
| MATH& 142 | Precalculus II | 5 |
| MATH& 146 | Introduction to Statistics | 5 |
| MATH& 148 | Business Calculus | 5 |
| MATH& 151 | Calculus I | 5 |
| MATH& 152 | Calculus II | 5 |
| MATH& 153 | Calculus III | 5 |
| MATH 200 | Finite Mathematics | 5 |
| MATH 211 | Linear Algebra | 5 |
| MATH 238 | Differential Equations | 5 |
| MATH& 254 | Calculus IV | 5 |

### Philosophy (PHIL) [Q]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| PHIL& 120 | Symbolic Logic | 5 |

### American Indian Indigenous Studies (AIIS) [H]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| AIIS 170 | Film & Cinema Through The Indigenous Lens | 5 |
| AIIS 203 | Introduction to AIIS Literature | 5 |

### Art (ART)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ART& 100 | Art Appreciation | 5 |
| ART 106 | Design 2-Dimensional Composition and Color | 5 |
| ART 107 | 3D Design Introduction to Sculpture | 5 |
| ART 110 | Drawing I | 5 |
| ART 111 | Figure Drawing I | 5 |
| ART 113 | Drawing II | 5 |
| ART 116 | Drawing: Figure II | 5 |
| ART 117 | Drawing: Figure III | 5 |
| ART 130 | Graphic Design Technology I | 5 |
| ART 131 | Graphic Design Technology II | 5 |
| ART 132 | 3D Digital Design 1: Intro to 3D Computer Aided Modeling | 5 |
| ART 133 | 3D Digital Design 2: Advanced Modeling, Rendering and Presentation | 5 |
| ART 134 | Introduction to Graphic Design | 5 |
| ART 135 | Graphic Design I | 5 |
| ART 137 | Typography | 5 |
| ART 138 | Digital Photography | 5 |
| ART 139 | Publication Design & Layout | 5 |
| ART 141 | Illustration I | 5 |
| ART 142 | Illustration II | 5 |
| ART 143 | Natural Science Illustration | 5 |
| ART 150 | Ceramics I | 5 |
| ART 151 | Ceramics II | 5 |
| ART 152 | Ceramics III | 5 |
| ART 154 | Sculpture 1 | 5 |
| ART 155 | Sculpture 2 | 5 |
| ART 201 | Art History Survey: Ancient to Medieval | 5 |
| ART 202 | Art History Survey: Renaissance | 5 |
| ART 203 | Art History Survey: Modern | 5 |
| ART 204 | Contemporary Art History | 5 |
| ART 206 | Printmaking: Intaglio | 5 |
| ART 208 | Printmaking: Relief | 5 |
| ART 210 | Painting I | 5 |
| ART 211 | Painting II | 5 |
| ART 212 | Painting III | 5 |
| ART 213 | Watercolor I | 5 |
| ART 217 | Native American Beading I | 5 |
| ART 218 | Native American Beading II | 5 |
| ART 219 | Native American Beading III | 5 |
| ART 220 | Painting: Advanced | 5 |
| ART 222 | Drawing: Advanced | 5 |
| ART 224 | Printmaking 1 | 5 |
| ART 225 | Printmaking: Advanced | 5 |
| ART 233 | Packaging Design | 5 |
| ART 234 | Graphic Design II | 5 |
| ART 235 | Web Graphic Design | 5 |
| ART 236 | Graphic Design- Branding | 5 |
| ART 250 | Ceramics: Advanced | 5 |
| ART 256 | Sculpture: Advanced | 5 |

## Chicano Studies (CHST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CHST 120 | Identity, Art & Culture | 5 |

## Communication Studies (CMST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CMST& 101 | Introduction to Communication | 5 |
| CMST 130 | Survey of Digital Communications | 5 |
| CMST& 210 | Interpersonal Communication | 5 |
| CMST& 220 | Public Speaking | 5 |

## Drama (DRMA)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| DRMA& 101 | Introduction to Theatre | 5 |

## English (ENGL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 111 | Introduction to Literature | 5 |
| ENGL& 112 | Introduction to Fiction | 5 |
| ENGL& 113 | Introduction to Poetry | 5 |
| ENGL 135 | Creative Writing | 5 |
| ENGL 215 | Fantasy Fiction | 5 |
| ENGL& 226 | British Literature | 5 |
| ENGL 240 | World Literature | 5 |
| ENGL 247 | Multicultural Literature | 5 |
| ENGL 250 | American Literature | 5 |
| ENGL 255 | Women's Literature | 5 |
| ENGL 275 | Fiction Writing | 5 |
| ENGL 276 | Poetry Writing | 5 |
| ENGL 106 | Introduction to Ecoliterature | 5 |

## Humanities (HUMN)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| HUM& 101 | Introduction to Humanities | 5 |
| HUM& 116 | Humanities I | 5 |
| HUM& 117 | Humanities II | 5 |
| HUM& 118 | Humanities III | 5 |
| HUMN 141 | Film & Culture | 5 |
| HUMN 206 | Mythology & Symbolism | 5 |
| HUMN 207 | Comics & Graphic Novels | 5 |
| HUMN 242 | Global Cinema | 5 |

## Journalism (JOUR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| JOUR 101 | Introduction to Journalism | 5 |

## Music (MUS)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| MUS 100 | Introduction to Music | 5 |
| MUSC& 105 | Music Appreciation | 5 |
| MUS 110 | Individual Voice Instruction | 1 |
| MUS 111 | Individual Piano Instruction | 1 |
| MUS 112 | Individual Instrument Instruction | 1 |
| MUS 113 | Jazz History | 5 |
| MUS 114 | Survey of Rock: History of Rock Styles | 3 |
| MUS 116 | Introduction to The Music/Audio Technology I | 5 |
| MUS 120 | Voice Class Instruction | 1 |
| MUSC& 121 | Ear Training I | 2 |
| MUSC& 122 | Ear Training II | 2 |
| MUSC& 123 | Ear Training III | 2 |
| MUS 125 | Piano Class Instruction | 1 |
| MUSC& 131 | Music Theory 1 | 3 |
| MUSC& 132 | Music Theory 2 | 3 |
| MUSC& 133 | Music Theory 3 | 3 |
| MUS 161 | Community Chorus | 1 |
| MUS 170 | WVC Chamber Choir | 2 |
| MUS 172 | Vocal Jazz Ensemble | 2 |
| MUS 173 | Mariachi Music | 2 |
| MUS 174 | Jazz Ensemble | 1-2 |
| MUS 175 | Instrumental Ensemble | 1-2 |
| MUS 177 | Guitar Orchestra | 1-2 |
| MUS 210 | Individual Voice Instruction | 1 |
| MUS 211 | Individual Piano Instruction | 1 |
| MUS 212 | Individual Instrument Instruction | 1 |
| MUS 221 | Piano Class Instruction | 1 |
| MUSC& 241 | Music Theory 4 | 5 |
| MUSC& 242 | Music Theory 5 | 5 |
| MUSC& 243 | Music Theory 6 | 5 |
| MUS 261 | Community Chorus | 1 |
| MUS 270 | WVC Chamber Choir | 2 |
| MUS 272 | WVC Vocal Jazz Ensemble | 2 |
| MUS 273 | Mariachi Music | 2 |
| MUS 274 | Jazz Ensemble | 1-2 |
| MUS 275 | Instrumental Ensemble | 1-2 |
| MUS 277 | Guitar Orchestra | 1-2 |

## Philosophy (PHIL)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| PHIL& 101 | Introduction to Philosophy | 5 |
| PHIL 105 | Ethics and Policy In Healthcare I | 2 |
| PHIL& 115 | Critical Thinking | 5 |
| PHIL& 120 | Symbolic Logic | 5 |
| PHIL 201 | Ethics and Policy In Healthcare II | 1 |
| PHIL 202 | Ethics and Policy In Healthcare III | 1 |
| PHIL 203 | Ethics and Policy In Healthcare IV | 1 |
| PHIL 210 | Philosophy of Religion | 5 |
| PHIL 211 | Introduction to Ethics | 5 |
| PHIL 275 | Comparative World Religions | 5 |

## Theater Arts (THTR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| THTR 165 | Acting I | 5 |
| THTR 170 | Production & Administration | 5 |
| THTR 265 | Acting II | 5 |

## World Languages

**Elective Credits** 5.0

(Maximum five credits from World Languages in Humanities distribution):

# American Sign Language (ASL)

| Course ID | Title | Credits |
|---|---|---|
| ASL& 121 | American Sign Language I | 5 |
| ASL& 122 | American Sign Language II | 5 |
| ASL& 123 | American Sign Language III | 5 |
| ASL& 221 | American Sign Language IV | 5 |
| ASL& 222 | American Sign Language V | 5 |
| ASL& 223 | American Sign Language VI | 5 |

# German (GERM)

| Course ID | Title | Credits |
|---|---|---|
| GERM& 121 | German I | 5 |
| GERM& 122 | German II | 5 |
| GERM& 123 | German III | 5 |

# Japanese (JAPN)

| Course ID | Title | Credits |
|---|---|---|
| JAPN& 121 | Japanese I | 5 |
| JAPN& 122 | Japanese II | 5 |
| JAPN& 123 | Japanese III | 5 |
| JAPN& 221 | Japanese IV | 5 |
| JAPN& 222 | Japanese V | 5 |
| JAPN& 223 | Japanese VI | 5 |

# Latin (LATN)

| Course ID | Title | Credits |
|---|---|---|
| LATN 101 | Latin I | 5 |
| LATN 102 | Latin II | 5 |
| LATN 103 | Latin III | 5 |

# Native American Languages (NAL)

| Course ID | Title | Credits |
|---|---|---|
| NAL 101 | Native American Language I: nselxcin | 5 |
| NAL 102 | Native American Language II: nselxcin | 5 |
| NAL 103 | Native American Language III: nselxcin | 5 |
| NAL 111 | Native American Language I: nimipu | 5 |
| NAL 112 | Native American Language II: nimipu | 5 |
| NAL 113 | Native American Language III: nimipu | 5 |
| NAL 121 | Native American Language I: nxa?amxcin | 5 |
| NAL 122 | Native American Language II: nxa?amxcin | 5 |
| NAL 123 | Native American Language III: nxa?amxcin | 5 |
| NAL 204 | Native American Language IV: nselxcin | 5 |
| NAL 205 | Native American Language V: nselxcin | 5 |
| NAL 206 | Native American Language VI: nselxcin | 5 |
| NAL 214 | Native American Language IV: nimipu | 5 |
| NAL 215 | Native American Language V: nimipu | 5 |
| NAL 216 | Native American Language VI: nimipu | 5 |
| NAL 224 | Native American Language IV: nxa?amxcin | 5 |
| NAL 225 | Native American Language V: nxa?amxcin | 5 |
| NAL 226 | Native American Language VI: nxa?amxcin | 5 |

## Spanish

| Course ID | Title | Credits |
|---|---|---|
| SPAN& 121 | Spanish I | 5 |
| SPAN& 122 | Spanish II | 5 |
| SPAN& 123 | Spanish III | 5 |
| SPAN& 221 | Spanish IV | 5 |
| SPAN& 222 | Spanish V | 5 |
| SPAN& 223 | Spanish VI | 5 |
| SPAN 231 | Spanish for Heritage Learners I | 5 |
| SPAN 232 | Spanish for Heritage Learners II | 5 |
| SPAN 233 | Spanish for Heritage Learners III | 5 |

### American Indian Indigenous Studies (AIIS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| AIIS 102 | Introduction to American Indian Indigenous Studies | 5 |
| AIIS 103 | The Indigenous Pacific Northwest | 5 |
| AIIS 150 | History of American Indian Education | 5 |
| AIIS 202 | Contemporary Topics In AIIS | 5 |
| AIIS 209 | Native American History to 1815 | 5 |
| AIIS 210 | Native North America 1815 to Present | 5 |
| AIIS 240 | Indigenous Women of North America | 5 |

### Anthropology (ANTH) [SS]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 100 | Survey of Anthropology | 5 |
| ANTH& 204 | Archaeology | 5 |
| ANTH& 206 | Cultural Anthropology | 5 |
| ANTH& 207 | Introduction to Linguistics | 5 |
| ANTH& 217 | Plateau Native Peoples | 5 |
| ANTH 220 | Cross-Cultural Studies | 5 |

### Chicano Studies (CHST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CHST 112 | Chicano/a History: An American Journey | 5 |
| CHST 115 | La Chicana: Gender History & Intellectualism | 5 |

### Early Childhood Education (ECED)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ECED& 105 | Introduction to Early Childhood Education | 5 |

### Education (EDUC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 115 | Child Development | 5 |

### Geography (GEOG)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| GEOG& 100 | Introduction to Geography | 5 |
| GEOG& 102 | World Regional Geography | 5 |
| GEOG 150 | Introduction to Sustainability | 5 |
| GEOG& 207 | Geography of The Economy | 5 |
| GEOG 215 | Introduction to GIS | 5 |

### History (HIST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| HIST& 116 | Western Civilization I | 5 |
| HIST& 117 | Western Civilization II | 5 |
| HIST& 118 | Western Civilization III | 5 |
| HIST& 146 | US History I | 5 |
| HIST& 147 | US History II | 5 |
| HIST 202 | The American Constitution: From Constitutional Convention to the Present | 5 |
| HIST& 214 | Pacific Northwest History | 5 |
| HIST& 215 | Women In US History | 5 |
| HIST& 219 | Native American History | 5 |
| HIST 230 | History/First Peoples of The Plateau Region | 5 |
| HIST 238 | US History 1945 to Present | 5 |
| HIST 240 | Hip Hop History: A Movement that Rewrote History without a Pen | 5 |
| HIST 260 | History of Mexico | 5 |
| HIST 261 | Latin America: History Through Revolution | 5 |
| HIST 271 | Eastern World History-Southeast Asia | 5 |
| HIST 274 | Eastern World History-East Asia | 5 |
| HIST 275 | Eastern World History-South Asia | 5 |

## Political Science (POLS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| POLS& 101 | Introduction to Political Science | 5 |
| POLS& 202 | American Government | 5 |
| POLS& 203 | International Relations | 5 |
| POLS 205 | Contemporary World Problems | 5 |
| POLS 206 | State and Local Politics | 5 |

## Psychology (PSYC)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| PSYC& 100 | General Psychology | 5 |
| PSYC 102 | Psychology of Adjustment | 5 |
| PSYC 105 | Psychosocial Issues In Healthcare I | 1 |
| PSYC& 200 | Lifespan Psychology | 5 |
| PSYC 202 | Psychosocial Issues In Healthcare II | 1 |
| PSYC 203 | Psychosocial Issues In Healthcare III | 3 |
| PSYC 204 | Psychosocial Issues In Healthcare IV | 1 |
| PSYC 205 | Human Sexuality | 5 |
| PSYC 215 | Psychology of Sport | 5 |
| PSYC& 220 | Abnormal Psychology | 5 |
| PSYC 245 | Social Psychology | 5 |

## Sociology (SOC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| SOC& 101 | Introduction to Sociology | 5 |
| SOC 110 | Introduction to Social Work | 5 |
| SOC 135 | Sociology of Women | 5 |
| SOC 151 | Sociology of Race and Ethnicity | 5 |
| SOC& 201 | Social Problems | 5 |
| SOC 203 | Sociology of Sport | 5 |
| SOC 225 | Sociology of Family | 5 |

## Anthropology (ANTH) [NS]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 205 | Biological Anthropology | 5 |

## Astronomy (ASTR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ASTR& 101 | Introduction to Astronomy | 5 |

## Biology General (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 100 | Survey of Biology | 5 |
| BIOL 126 | Survey of Genetics | 5 |
| BIOL 185 | Insects & Ecosystems | 5 |
| BIOL& 211 | Majors Cellular | 5 |
| BIOL 218 | Insect Classification | 5 |
| BIOL& 260 | Microbiology | 5 |

## Botany Biology (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL 186 | Survey of Plants of The Pacific Northwest | 5 |
| BIOL& 212 | Majors Plants | 5 |
| BIOL 216 | Plant Classification | 5 |
| BIOL 230 | Ethnobotany | 5 |

## Chemistry/Science Requirement

**Elective Credits** 5.0

Chemistry 161 for Engineering majors; others select five credits of science based on advising.

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 161 | General Chemistry I | 5 |

## Computer Science (CSC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CSC& 142 | Intermediate Programming | 5 |

## Environmental Biology (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL 103 | Salmon, Ecosystems and Society | 5 |
| BIOL 106 | Introduction to Marine Biology | 5 |
| BIOL 125 | Environmental Science | 5 |
| BIOL 127 | Northwest Environments | 5 |
| BIOL& 221 | Majors Ecology/Evolution | 5 |
| ENVS 170 | Introduction to Stream Ecology | 5 |

## Oceanography (OCEA)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| OCEA& 100 | Introduction to Oceanography | 5 |

## Geology (GEOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| GEOL& 101 | Introduction to Physical Geology | 5 |
| GEOL 107 | Natural Disasters | 5 |
| GEOL& 208 | Geology of The Pacific Northwest | 5 |
| GEOL 218 | Environmental Geology | 5 |

## Math/Science Requirement

**Elective Credits** 10.0-15.0

With advising, choose from:

# Biology

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 221 | Majors Ecology/Evolution | 5 |

# Chemistry

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 121 | Introduction to Chemistry | 5 |
| CHEM& 131 | Introduction to Organic/ Biochemistry | 5 |
| CHEM& 261 | Organic Chemistry I | 6 |
| CHEM& 262 | Organic Chemistry II | 6 |
| CHEM& 263 | Organic Chemistry III | 6 |

# Organic Chemistry

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 261 | Organic Chemistry I | 6 |
| CHEM& 262 | Organic Chemistry II | 6 |
| CHEM& 263 | Organic Chemistry III | 6 |

# Geology

| Course ID | Title | Credits |
|---|---|---|
| GEOL& 101 | Introduction to Physical Geology | 5 |
| GEOL& 208 | Geology of The Pacific Northwest | 5 |
| GEOL 218 | Environmental Geology | 5 |

# Math

| Course ID | Title | Credits |
|---|---|---|
| MATH& 146 | Introduction to Statistics | 5 |
| MATH& 153 | Calculus III | 5 |
| MATH 200 | Finite Mathematics | 5 |
| MATH 211 | Linear Algebra | 5 |
| MATH 238 | Differential Equations | 5 |

# Physics

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 114 | General Physics I w/Lab | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |
| PHYS& 221 | Engineering Physics I | 5 |
| PHYS& 222 | Engineering Physics II | 5 |
| PHYS& 223 | Engineering Physics III | 5 |

## Nutrition (NUTR)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| NUTR& 101 | Nutrition | 5 |
| NUTR 105 | Nutrition In Healthcare I | 1 |
| NUTR 106 | Nutrition In Healthcare II | 1 |
| NUTR 107 | Nutrition In Healthcare III | 1 |
| NUTR 202 | Nutrition In Healthcare IV | 1 |

## Physics (PHYS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 100 | Physics for Non-Science Majors | 5 |
| PHYS& 114 | General Physics I w/Lab | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |
| PHYS& 221 | Engineering Physics I | 5 |
| PHYS& 222 | Engineering Physics II | 5 |
| PHYS& 223 | Engineering Physics III | 5 |

## Science/Technology/Engineering/Math (STEM)

**Elective Credits** 2.0

| Course ID | Title | Credits |
|---|---|---|
| STEM 201 | Research Methods I | 2 |
| STEM 203 | Research Methods II | 2 |

### Zoology Biology (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 213 | Majors Animals | 5 |
| BIOL 217 | Introduction to Ornithology | 5 |
| BIOL& 241 | Human Anatomy & Physiology I | 5 |
| BIOL& 242 | Human Anatomy & Physiology II | 5 |

### Lab Science Courses (Minimum five credits)

**Elective Credits** 5.0

## Anthropology

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 205 | Biological Anthropology | 5 |

## Astronomy

| Course ID | Title | Credits |
|---|---|---|
| ASTR& 101 | Introduction to Astronomy | 5 |

## Biology

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 100 | Survey of Biology | 5 |
| BIOL 125 | Environmental Science | 5 |
| BIOL 126 | Survey of Genetics | 5 |
| BIOL 127 | Northwest Environments | 5 |
| BIOL 185 | Insects & Ecosystems | 5 |
| BIOL 186 | Survey of Plants of The Pacific Northwest | 5 |
| BIOL& 211 | Majors Cellular | 5 |
| BIOL& 212 | Majors Plants | 5 |
| BIOL& 213 | Majors Animals | 5 |
| BIOL 216 | Plant Classification | 5 |
| BIOL 217 | Introduction to Ornithology | 5 |
| BIOL 218 | Insect Classification | 5 |
| BIOL 230 | Ethnobotany | 5 |
| BIOL& 241 | Human Anatomy & Physiology I | 5 |
| BIOL& 242 | Human Anatomy & Physiology II | 5 |
| BIOL& 260 | Microbiology | 5 |

## Chemistry

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 110 | Chemical Concepts | 5 |
| CHEM& 121 | Introduction to Chemistry | 5 |
| CHEM& 131 | Introduction to Organic/ Biochemistry | 5 |
| CHEM& 161 | General Chemistry I | 5 |
| CHEM& 162 | General Chemistry II | 5 |
| CHEM& 163 | General Chemistry III | 6 |
| CHEM& 261 | Organic Chemistry I | 6 |
| CHEM& 262 | Organic Chemistry II | 6 |
| CHEM& 263 | Organic Chemistry III | 6 |

## Geology

| Course ID | Title | Credits |
|---|---|---|
| GEOL& 101 | Introduction to Physical Geology | 5 |
| GEOL& 208 | Geology of The Pacific Northwest | 5 |

## Meteorology

| Course ID | Title | Credits |
|---|---|---|
| METR 210 | Introduction to Weather & Climate | 5 |

## Physics

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 114 | General Physics I w/Lab | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |
| PHYS& 221 | Engineering Physics I | 5 |
| PHYS& 222 | Engineering Physics II | 5 |
| PHYS& 223 | Engineering Physics III | 5 |

### Physical Education (PEH)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| PEH 286 | Exercise Physiology | 5 |
| PEH 288 | Anatomical Kinesiology | 5 |

### General Electives

***General Electives** are normally accepted at institutions that grant bachelor's degrees whether or not an AAS degree is earned. In addition to the list below, all courses listed in the sections of writing, quantitative/symbolic, humanities, natural sciences and social sciences distribution requirements may be used as general electives.*

* a maximum of three PEH/PEHR activity credits are allowed in degrees.

## Accounting (ACCT)

| Course ID | Title | Credits |
|---|---|---|
| ACCT& 201 | Principles of Accounting I | 5 |
| ACCT& 201 | Principles of Accounting I | 5 |
| ACCT& 203 | Principles of Accounting III | 5 |

## Agriculture (AGRI)

| Course ID | Title | Credits |
|---|---|---|
| AGRI 101 | Introduction to Agriculture | 3 |
| AGRI 108 | Introduction to Horticulture | 3 |

## Business Administration (BUS)

| Course ID | Title | Credits |
|---|---|---|
| BUS& 101 | Introduction to Business | 5 |
| BUS& 201 | Business Law | 5 |
| BUS 240 | Principles of Management | 5 |
| BUS 241 | Principles of Marketing | 5 |

## Chemical Dependency Studies (CDS):

| Course ID | Title | Credits |
|---|---|---|
| ASP 101 | Physiological Action of Alcohol and Other Drugs | 5 |

## Computer Science (CSC)

| Course ID | Title | Credits |
|---|---|---|
| CSC 110 | Introduction to Data Analytics | 5 |
| CSC& 141 | Programming Fundamentals | 5 |
| CSC 210 | Data Analytics Systems & Algorithms | 5 |
| CSC 215 | Advanced Data Analytics Systems & Algorithms | 5 |
| CSC 243 | Advanced Data Structures and Algorithms | 5 |

## Criminal Justice (CJ)

| Course ID | Title | Credits |
|---|---|---|
| CJ& 101 | Introduction to Criminal Justice | 5 |
| CJ& 105 | Introduction to Corrections | 5 |
| CJ& 106 | Introduction to Juvenile Justice | 5 |
| CJ& 110 | Criminal Law | 5 |

## Education (EDUC)

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 202 | Introduction to Education | 5 |
| EDUC& 204 | Exceptional Child (Introduction to Special Education) | 5 |
| EDUC 210 | Education Practicum | 3 |

## Engineering (ENGR)

| Course ID | Title | Credits |
|---|---|---|
| ENGR& 214 | Engineering Statics | 5 |

## Environmental Science (ENVS)

| Course ID | Title | Credits |
|---|---|---|
| ENVS 230 | Intro to Fisheries Science and Management | 5 |
| ENVS 231 | Introduction to Forest Resources | 5 |

## Latin (LATN)

| Course ID | Title | Credits |
|---|---|---|
| LATN 110 | Conversational Latin Workshop | 1-4 |
| LATN 220 | Conversational Latin Workshop | 1-4 |

## Math (MATH)

| Course ID | Title | Credits |
|---|---|---|
| MATH 195 | Mathematical Computing | 1 |

## Music (MUS)

| Course ID | Title | Credits |
|---|---|---|
| MUS 145 | Brass Class Instruction | 1 |
| MUS 146 | Woodwind (Single Reed) Class Instruction | 1 |

## Physical Education Activities (PEH)

* a maximum of three PEH/PEHR ***activity*** credits are allowed in degrees.

| Course ID | Title | Credits |
|---|---|---|
| PEH 102 | Total Conditioning: Body Blast Conditioning | 2 |
| PEH 104 | Body Conditioning: Weight Training | 2 |
| PEH 112 | Functional Movement Training for The Athlete | 1 |
| PEH 115 | Court Sports | 1 |
| PEH 116 | Court Sports | 2 |
| PEH 118 | Beginning Karate | 1 |
| PEH 119 | Tai Chi | 1 |
| PEH 120 | Beginning Fencing | 1 |
| PEH 121 | Pilates | 1 |
| PEH 122 | Yoga | 1 |
| PEH 123 | Yoga/Pilates | 2 |
| PEH 124 | Intermediate Yoga | 1 |
| PEH 125 | Golf | 1 |
| PEH 126 | Beginning Racquetball | 1 |
| PEH 127 | Yoga II | 2 |
| PEH 130 | Beginning Self-Defense | 1 |
| PEH 133 | Wilderness Backpacking | 2 |
| PEH 134 | Introduction to Rock Climbing | 2 |
| PEH 142 | Cross-Training | 1 |
| PEH 143 | Cross-Training | 2 |
| PEH 150 | Beginning Tennis | 1 |
| PEH 155 | Volleyball | 1 |
| PEH 161 | Fitness Lab | 1 |
| PEH 162 | Fitness Lab | 2 |
| PEH 226 | Advanced Racquetball | 2 |
| PEH 261 | Fitness Lab | 1 |
| PEH 262 | Fitness Lab | 2 |

## Physical Education Recreation Activities (PEHR)

* a maximum of three PEH/PEHR ***activity*** credits are allowed in degrees.

| Course ID | Title | Credits |
|---|---|---|
| PEHR 105 | Hiking In North Central Washington | 2 |
| PEHR 106 | Alpine Ski and Snowboard | 2 |
| PEHR 107 | Columbia River Rowing | 2 |
| PEHR 144 | Cross-Country Skiing | 1 |

## Physical Education Professional (PEH)

| Course ID | Title | Credits |
|---|---|---|
| PEH 180 | Personal Wellness | 3 |
| PEH 181 | Health and Wellness | 5 |
| PEH 182 | 1st Aid-Responding to Emergencies | 5 |
| PEH 189 | Athletic Training Practicum I | 1 |
| PEH 250 | Ace Personal Trainer Certification | 3 |
| PEH 283 | Sports Nutrition | 3 |
| PEH 284 | Foundations of Fitness | 3 |
| PEH 285 | Introduction to Physical Education | 3 |
| PEH 287 | Athletic Training | 5 |
| PEH 289 | Athletic Training Practicum II | 2 |

## Physical Education Recreation Professional (PEHR)

| Course ID | Title | Credits |
|---|---|---|
| PEHR 201 | Introduction to Recreation Management | 5 |
| PEHR 202 | Environmental Education | 5 |
| PEHR 204 | Intro to Outdoor Leadership and Facilitation | 3 |

### Restricted Electives - Max 15 Credits

**Restricted Electives** are courses numbered 100 or higher that do not normally transfer to institutions that grant bachelor's degrees. These courses are normally accepted only when included in the AAS degree. A maximum of 15 restricted credits can be included in the AAS degree under the Electives section. Any course numbered 100 or above that is not in the writing, quantitative/symbolic, humanities, natural sciences and social sciences distribution requirements can be considered a Restricted Elective course.

Note: Courses not listed here that were previously offered at WVC may still count toward a degree. Check with the registrar for a complete list of courses which count toward this degree.

### Diversity Elective

**Elective Credits** 5.0

View wvc.edu/DR for list of diversity requirements.

# Pathway for Philosophy - Direct Transfer Agreement (DTA)

**Degree Type**
Associate in Arts Degree DTA

These courses provide the strongest alignment with the knowledge, skills, and abilities needed for success, and they will best prepare students for transfer to a four-year institution.

Core program courses may have prerequisite requirements. English and mathematics courses require qualifying assessment scores or acceptable preparatory coursework in these subjects. See course descriptions for details.

| | | |
|---|---|---|
| | Total Credits | 90 |

**Course Sequencing**

## Writing: 10 credits

**AA-DTA Requirement: ENGL& 101 and ENGL 201, 203 or ENGL& 235**

**Recommended Course Selections:**

- ENGL& 101: Composition (required)
- ENGL 202: Critical Analysis

Students may also choose alternative courses that fulfill the Writing requirement for the *AA-DTA at WVC*

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |
| | English (ENGL) | 5.0 |

## Quantitative/Symbolic: 5 credits

**Students may select any courses that meet the quantitative and symbolic requirements for an AA-DTA at WVC.**

**Recommended Course Selections:**

- MATH& 107: Math in Society

Students may also choose alternative courses that fulfill the Writing requirement for the *AA-DTA at WVC*

| Course ID | Title | Credits |
|---|---|---|
| | Mathematics (MATH) Q | 5.0 |
| | Philosophy (PHIL) [Q] | 5.0 |

## Humanities: 15 credits

**AA-DTA Requirement: 15 credits of Humanities from three different subject areas.**

**Recommended Course Selections:**

- PHIL& 101: Introduction to Philosophy
- CMST& 220: Public Speaking
- HUMN 141: Film and Culture

Students may also choose alternative courses that fulfill the Writing requirement for the *AA-DTA at WVC*

| Course ID | Title | Credits |
|---|---|---|
| | American Indian Indigenous Studies (AIIS) [H] | 5.0 |
| | Art (ART) | 5.0 |
| | Chicano Studies (CHST) | 5.0 |
| | Communication Studies (CMST) | 5.0 |
| | Drama (DRMA) | 5.0 |
| | English (ENGL) | 5.0 |
| | Humanities (HUMN) | 5.0 |
| | Journalism (JOUR) | 5.0 |
| | Music (MUS) | 1.0-5 |
| | Philosophy (PHIL) | 1.0-5 |
| | Theater Arts (THTR) | 5.0 |
| | World Languages | 5.0 |

## Social Sciences: 15 credits

**AA-DTA Requirement: 15 credits of Social Science from three different subject areas.**

**Recommended Course Selections:**

- PSYC& 100: General Psychology
- HIST& 116: Western Civilization
- POLS& 203: International Relations

Students may also choose alternative courses that fulfill the Writing requirement for the *AA-DTA at WVC*

| Course ID | Title | Credits |
|---|---|---|
| | American Indian Indigenous Studies (AIIS) | 5.0 |
| | Anthropology (ANTH) [SS] | 5.0 |
| | Chicano Studies (CHST) | 5.0 |
| | Early Childhood Education (ECED) | 5.0 |
| | Education (EDUC) | 5.0 |
| | Geography (GEOG) | 5.0 |
| | History (HIST) | 5.0 |
| | Political Science (POLS) | 5.0 |
| | Psychology (PSYC) | 1.0-5 |
| | Sociology (SOC) | 5.0 |

## Natural Sciences: 15 credits

**AA-DTA Requirement: 15 credits of Natural Science from three different subject areas. At least one course must include a lab component.**

Students may also choose alternative courses that fulfill the Writing requirement for the *AA-DTA at WVC*

| Course ID | Title | Credits |
|---|---|---|
| | Anthropology (ANTH) [NS] | 5.0 |
| | Astronomy (ASTR) | 5.0 |
| | Biology General (BIOL) | 5.0 |
| | Botany Biology (BIOL) | 5.0 |
| | Chemistry/Science Requirement | 5.0 |
| | Computer Science (CSC) | 5.0 |
| | Environmental Biology (BIOL) | 5.0 |
| | Oceanography (OCEA) | 5.0 |
| | Geology (GEOL) | 5.0 |
| | Math/Science Requirement | 10.0-15 |
| | Nutrition (NUTR) | 1.0-5 |
| | Physics (PHYS) | 5.0 |
| | Science/Technology/ Engineering/Math (STEM) | 2.0 |
| | Zoology Biology (BIOL) | 5.0 |
| | Lab Science Courses (Minimum five credits) | 5.0 |
| | Physical Education (PEH) | 5.0 |

## Electives: 30 credits

**AA-DTA Requirement: 30 credits of Electives. No more than 15 credits of Restricted Electives [RE]. No more than three PEH/PEHR activity credits.**

**Recommended Course Selections:**

- PHIL& 115: Critical Thinking
- PHIL& 120: Symbolic Logic
- PHIL& 210: Philosophy of Religion
- PHIL& 211: Introduction to Ethics
- ENGL& 111: Introduction to Literature
- ENGL 240: World Literature

These courses provide the strongest alignment with the knowledge, skills, and abilities needed for success, and they will best prepare students for transfer to a four-year institution. Students may also choose alternative courses that fulfill the Writing requirement for the *AA-DTA at WVC*

| Course ID | Title | Credits |
|---|---|---|
| | General Electives | |
| | Restricted Electives - Max 15 Credits | |
| | Diversity Elective | 5.0 |

Note: Courses not listed here that were previously offered at WVC may still count toward a degree. Check with the registrar for a complete list of courses that count toward this degree.

The DTA requires at least five credits from diversity courses. These are designated [Di] on this guide. Other courses are available. Refer to the WVC catalog and website for additional information.

### English (ENGL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 111 | Introduction to Literature | 5 |
| ENGL& 112 | Introduction to Fiction | 5 |
| ENGL& 113 | Introduction to Poetry | 5 |
| ENGL 135 | Creative Writing | 5 |
| ENGL 215 | Fantasy Fiction | 5 |
| ENGL& 226 | British Literature | 5 |
| ENGL 240 | World Literature | 5 |
| ENGL 247 | Multicultural Literature | 5 |
| ENGL 250 | American Literature | 5 |
| ENGL 255 | Women's Literature | 5 |
| ENGL 275 | Fiction Writing | 5 |
| ENGL 276 | Poetry Writing | 5 |
| ENGL 106 | Introduction to Ecoliterature | 5 |

### Mathematics (MATH) Q

**Elective Credits** 5.0

## Mathematics

| Course ID | Title | Credits |
|---|---|---|
| MATH& 107 | Math In Society | 5 |
| MATH 140 | Precalculus for Business and Social Sciences | 5 |
| MATH& 141 | Precalculus I | 5 |
| MATH& 142 | Precalculus II | 5 |
| MATH& 146 | Introduction to Statistics | 5 |
| MATH& 148 | Business Calculus | 5 |
| MATH& 151 | Calculus I | 5 |
| MATH& 152 | Calculus II | 5 |
| MATH& 153 | Calculus III | 5 |
| MATH 200 | Finite Mathematics | 5 |
| MATH 211 | Linear Algebra | 5 |
| MATH 238 | Differential Equations | 5 |
| MATH& 254 | Calculus IV | 5 |

## Philosophy (PHIL) [Q]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| PHIL& 120 | Symbolic Logic | 5 |

## American Indian Indigenous Studies (AIIS) [H]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| AIIS 170 | Film & Cinema Through The Indigenous Lens | 5 |
| AIIS 203 | Introduction to AIIS Literature | 5 |

## Art (ART)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ART& 100 | Art Appreciation | 5 |
| ART 106 | Design 2-Dimensional Composition and Color | 5 |
| ART 107 | 3D Design Introduction to Sculpture | 5 |
| ART 110 | Drawing I | 5 |
| ART 111 | Figure Drawing I | 5 |
| ART 113 | Drawing II | 5 |
| ART 116 | Drawing: Figure II | 5 |
| ART 117 | Drawing: Figure III | 5 |
| ART 130 | Graphic Design Technology I | 5 |
| ART 131 | Graphic Design Technology II | 5 |
| ART 132 | 3D Digital Design 1: Intro to 3D Computer Aided Modeling | 5 |
| ART 133 | 3D Digital Design 2: Advanced Modeling, Rendering and Presentation | 5 |
| ART 134 | Introduction to Graphic Design | 5 |
| ART 135 | Graphic Design I | 5 |
| ART 137 | Typography | 5 |
| ART 138 | Digital Photography | 5 |
| ART 139 | Publication Design & Layout | 5 |
| ART 141 | Illustration I | 5 |
| ART 142 | Illustration II | 5 |
| ART 143 | Natural Science Illustration | 5 |
| ART 150 | Ceramics I | 5 |
| ART 151 | Ceramics II | 5 |
| ART 152 | Ceramics III | 5 |
| ART 154 | Sculpture 1 | 5 |
| ART 155 | Sculpture 2 | 5 |
| ART 201 | Art History Survey: Ancient to Medieval | 5 |
| ART 202 | Art History Survey: Renaissance | 5 |
| ART 203 | Art History Survey: Modern | 5 |
| ART 204 | Contemporary Art History | 5 |
| ART 206 | Printmaking: Intaglio | 5 |
| ART 208 | Printmaking: Relief | 5 |
| ART 210 | Painting I | 5 |
| ART 211 | Painting II | 5 |
| ART 212 | Painting III | 5 |
| ART 213 | Watercolor I | 5 |
| ART 217 | Native American Beading I | 5 |
| ART 218 | Native American Beading II | 5 |
| ART 219 | Native American Beading III | 5 |
| ART 220 | Painting: Advanced | 5 |
| ART 222 | Drawing: Advanced | 5 |
| ART 224 | Printmaking 1 | 5 |
| ART 225 | Printmaking: Advanced | 5 |
| ART 233 | Packaging Design | 5 |
| ART 234 | Graphic Design II | 5 |
| ART 235 | Web Graphic Design | 5 |
| ART 236 | Graphic Design- Branding | 5 |
| ART 250 | Ceramics: Advanced | 5 |
| ART 256 | Sculpture: Advanced | 5 |

## Chicano Studies (CHST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CHST 120 | Identity, Art & Culture | 5 |

## Communication Studies (CMST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CMST& 101 | Introduction to Communication | 5 |
| CMST 130 | Survey of Digital Communications | 5 |
| CMST& 210 | Interpersonal Communication | 5 |
| CMST& 220 | Public Speaking | 5 |

## Drama (DRMA)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| DRMA& 101 | Introduction to Theatre | 5 |

## Humanities (HUMN)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| HUM& 101 | Introduction to Humanities | 5 |
| HUM& 116 | Humanities I | 5 |
| HUM& 117 | Humanities II | 5 |
| HUM& 118 | Humanities III | 5 |
| HUMN 141 | Film & Culture | 5 |
| HUMN 206 | Mythology & Symbolism | 5 |
| HUMN 207 | Comics & Graphic Novels | 5 |
| HUMN 242 | Global Cinema | 5 |

## Journalism (JOUR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| JOUR 101 | Introduction to Journalism | 5 |

## Music (MUS)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| MUS 100 | Introduction to Music | 5 |
| MUSC& 105 | Music Appreciation | 5 |
| MUS 110 | Individual Voice Instruction | 1 |
| MUS 111 | Individual Piano Instruction | 1 |
| MUS 112 | Individual Instrument Instruction | 1 |
| MUS 113 | Jazz History | 5 |
| MUS 114 | Survey of Rock: History of Rock Styles | 3 |
| MUS 116 | Introduction to The Music/Audio Technology I | 5 |
| MUS 120 | Voice Class Instruction | 1 |
| MUSC& 121 | Ear Training I | 2 |
| MUSC& 122 | Ear Training II | 2 |
| MUSC& 123 | Ear Training III | 2 |
| MUS 125 | Piano Class Instruction | 1 |
| MUSC& 131 | Music Theory 1 | 3 |
| MUSC& 132 | Music Theory 2 | 3 |
| MUSC& 133 | Music Theory 3 | 3 |
| MUS 161 | Community Chorus | 1 |
| MUS 170 | WVC Chamber Choir | 2 |
| MUS 172 | Vocal Jazz Ensemble | 2 |
| MUS 173 | Mariachi Music | 2 |
| MUS 174 | Jazz Ensemble | 1-2 |
| MUS 175 | Instrumental Ensemble | 1-2 |
| MUS 177 | Guitar Orchestra | 1-2 |
| MUS 210 | Individual Voice Instruction | 1 |
| MUS 211 | Individual Piano Instruction | 1 |
| MUS 212 | Individual Instrument Instruction | 1 |
| MUS 221 | Piano Class Instruction | 1 |
| MUSC& 241 | Music Theory 4 | 5 |
| MUSC& 242 | Music Theory 5 | 5 |
| MUSC& 243 | Music Theory 6 | 5 |
| MUS 261 | Community Chorus | 1 |
| MUS 270 | WVC Chamber Choir | 2 |
| MUS 272 | WVC Vocal Jazz Ensemble | 2 |
| MUS 273 | Mariachi Music | 2 |
| MUS 274 | Jazz Ensemble | 1-2 |
| MUS 275 | Instrumental Ensemble | 1-2 |
| MUS 277 | Guitar Orchestra | 1-2 |

## Philosophy (PHIL)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| PHIL& 101 | Introduction to Philosophy | 5 |
| PHIL 105 | Ethics and Policy In Healthcare I | 2 |
| PHIL& 115 | Critical Thinking | 5 |
| PHIL& 120 | Symbolic Logic | 5 |
| PHIL 201 | Ethics and Policy In Healthcare II | 1 |
| PHIL 202 | Ethics and Policy In Healthcare III | 1 |
| PHIL 203 | Ethics and Policy In Healthcare IV | 1 |
| PHIL 210 | Philosophy of Religion | 5 |
| PHIL 211 | Introduction to Ethics | 5 |
| PHIL 275 | Comparative World Religions | 5 |

## Theater Arts (THTR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| THTR 165 | Acting I | 5 |
| THTR 170 | Production & Administration | 5 |
| THTR 265 | Acting II | 5 |

## World Languages

**Elective Credits** 5.0

(Maximum five credits from World Languages in Humanities distribution):

# American Sign Language (ASL)

| Course ID | Title | Credits |
|---|---|---|
| ASL& 121 | American Sign Language I | 5 |
| ASL& 122 | American Sign Language II | 5 |
| ASL& 123 | American Sign Language III | 5 |
| ASL& 221 | American Sign Language IV | 5 |
| ASL& 222 | American Sign Language V | 5 |
| ASL& 223 | American Sign Language VI | 5 |

# German (GERM)

| Course ID | Title | Credits |
|---|---|---|
| GERM& 121 | German I | 5 |
| GERM& 122 | German II | 5 |
| GERM& 123 | German III | 5 |

# Japanese (JAPN)

| Course ID | Title | Credits |
|---|---|---|
| JAPN& 121 | Japanese I | 5 |
| JAPN& 122 | Japanese II | 5 |
| JAPN& 123 | Japanese III | 5 |
| JAPN& 221 | Japanese IV | 5 |
| JAPN& 222 | Japanese V | 5 |
| JAPN& 223 | Japanese VI | 5 |

# Latin (LATN)

| Course ID | Title | Credits |
|---|---|---|
| LATN 101 | Latin I | 5 |
| LATN 102 | Latin II | 5 |
| LATN 103 | Latin III | 5 |

# Native American Languages (NAL)

| Course ID | Title | Credits |
|---|---|---|
| NAL 101 | Native American Language I: nselxcin | 5 |
| NAL 102 | Native American Language II: nselxcin | 5 |
| NAL 103 | Native American Language III: nselxcin | 5 |
| NAL 111 | Native American Language I: nimipu | 5 |
| NAL 112 | Native American Language II: nimipu | 5 |
| NAL 113 | Native American Language III: nimipu | 5 |
| NAL 121 | Native American Language I: nxa?amxcin | 5 |
| NAL 122 | Native American Language II: nxa?amxcin | 5 |
| NAL 123 | Native American Language III: nxa?amxcin | 5 |
| NAL 204 | Native American Language IV: nselxcin | 5 |
| NAL 205 | Native American Language V: nselxcin | 5 |
| NAL 206 | Native American Language VI: nselxcin | 5 |
| NAL 214 | Native American Language IV: nimipu | 5 |
| NAL 215 | Native American Language V: nimipu | 5 |
| NAL 216 | Native American Language VI: nimipu | 5 |
| NAL 224 | Native American Language IV: nxa?amxcin | 5 |
| NAL 225 | Native American Language V: nxa?amxcin | 5 |
| NAL 226 | Native American Language VI: nxa?amxcin | 5 |

## Spanish

| Course ID | Title | Credits |
|---|---|---|
| SPAN& 121 | Spanish I | 5 |
| SPAN& 122 | Spanish II | 5 |
| SPAN& 123 | Spanish III | 5 |
| SPAN& 221 | Spanish IV | 5 |
| SPAN& 222 | Spanish V | 5 |
| SPAN& 223 | Spanish VI | 5 |
| SPAN 231 | Spanish for Heritage Learners I | 5 |
| SPAN 232 | Spanish for Heritage Learners II | 5 |
| SPAN 233 | Spanish for Heritage Learners III | 5 |

### American Indian Indigenous Studies (AIIS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| AIIS 102 | Introduction to American Indian Indigenous Studies | 5 |
| AIIS 103 | The Indigenous Pacific Northwest | 5 |
| AIIS 150 | History of American Indian Education | 5 |
| AIIS 202 | Contemporary Topics In AIIS | 5 |
| AIIS 209 | Native American History to 1815 | 5 |
| AIIS 210 | Native North America 1815 to Present | 5 |
| AIIS 240 | Indigenous Women of North America | 5 |

### Anthropology (ANTH) [SS]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 100 | Survey of Anthropology | 5 |
| ANTH& 204 | Archaeology | 5 |
| ANTH& 206 | Cultural Anthropology | 5 |
| ANTH& 207 | Introduction to Linguistics | 5 |
| ANTH& 217 | Plateau Native Peoples | 5 |
| ANTH 220 | Cross-Cultural Studies | 5 |

### Chicano Studies (CHST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CHST 112 | Chicano/a History: An American Journey | 5 |
| CHST 115 | La Chicana: Gender History & Intellectualism | 5 |

### Early Childhood Education (ECED)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ECED& 105 | Introduction to Early Childhood Education | 5 |

### Education (EDUC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 115 | Child Development | 5 |

### Geography (GEOG)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| GEOG& 100 | Introduction to Geography | 5 |
| GEOG& 102 | World Regional Geography | 5 |
| GEOG 150 | Introduction to Sustainability | 5 |
| GEOG& 207 | Geography of The Economy | 5 |
| GEOG 215 | Introduction to GIS | 5 |

### History (HIST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| HIST& 116 | Western Civilization I | 5 |
| HIST& 117 | Western Civilization II | 5 |
| HIST& 118 | Western Civilization III | 5 |
| HIST& 146 | US History I | 5 |
| HIST& 147 | US History II | 5 |
| HIST 202 | The American Constitution: From Constitutional Convention to the Present | 5 |
| HIST& 214 | Pacific Northwest History | 5 |
| HIST& 215 | Women In US History | 5 |
| HIST& 219 | Native American History | 5 |
| HIST 230 | History/First Peoples of The Plateau Region | 5 |
| HIST 238 | US History 1945 to Present | 5 |
| HIST 240 | Hip Hop History: A Movement that Rewrote History without a Pen | 5 |
| HIST 260 | History of Mexico | 5 |
| HIST 261 | Latin America: History Through Revolution | 5 |
| HIST 271 | Eastern World History-Southeast Asia | 5 |
| HIST 274 | Eastern World History-East Asia | 5 |
| HIST 275 | Eastern World History-South Asia | 5 |

## Political Science (POLS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| POLS& 101 | Introduction to Political Science | 5 |
| POLS& 202 | American Government | 5 |
| POLS& 203 | International Relations | 5 |
| POLS 205 | Contemporary World Problems | 5 |
| POLS 206 | State and Local Politics | 5 |

## Psychology (PSYC)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| PSYC& 100 | General Psychology | 5 |
| PSYC 102 | Psychology of Adjustment | 5 |
| PSYC 105 | Psychosocial Issues In Healthcare I | 1 |
| PSYC& 200 | Lifespan Psychology | 5 |
| PSYC 202 | Psychosocial Issues In Healthcare II | 1 |
| PSYC 203 | Psychosocial Issues In Healthcare III | 3 |
| PSYC 204 | Psychosocial Issues In Healthcare IV | 1 |
| PSYC 205 | Human Sexuality | 5 |
| PSYC 215 | Psychology of Sport | 5 |
| PSYC& 220 | Abnormal Psychology | 5 |
| PSYC 245 | Social Psychology | 5 |

## Sociology (SOC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| SOC& 101 | Introduction to Sociology | 5 |
| SOC 110 | Introduction to Social Work | 5 |
| SOC 135 | Sociology of Women | 5 |
| SOC 151 | Sociology of Race and Ethnicity | 5 |
| SOC& 201 | Social Problems | 5 |
| SOC 203 | Sociology of Sport | 5 |
| SOC 225 | Sociology of Family | 5 |

## Anthropology (ANTH) [NS]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 205 | Biological Anthropology | 5 |

## Astronomy (ASTR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ASTR& 101 | Introduction to Astronomy | 5 |

## Biology General (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 100 | Survey of Biology | 5 |
| BIOL 126 | Survey of Genetics | 5 |
| BIOL 185 | Insects & Ecosystems | 5 |
| BIOL& 211 | Majors Cellular | 5 |
| BIOL 218 | Insect Classification | 5 |
| BIOL& 260 | Microbiology | 5 |

## Botany Biology (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL 186 | Survey of Plants of The Pacific Northwest | 5 |
| BIOL& 212 | Majors Plants | 5 |
| BIOL 216 | Plant Classification | 5 |
| BIOL 230 | Ethnobotany | 5 |

## Chemistry/Science Requirement

**Elective Credits** 5.0

Chemistry 161 for Engineering majors; others select five credits of science based on advising.

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 161 | General Chemistry I | 5 |

## Computer Science (CSC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CSC& 142 | Intermediate Programming | 5 |

## Environmental Biology (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL 103 | Salmon, Ecosystems and Society | 5 |
| BIOL 106 | Introduction to Marine Biology | 5 |
| BIOL 125 | Environmental Science | 5 |
| BIOL 127 | Northwest Environments | 5 |
| BIOL& 221 | Majors Ecology/Evolution | 5 |
| ENVS 170 | Introduction to Stream Ecology | 5 |

### Oceanography (OCEA)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| OCEA& 100 | Introduction to Oceanography | 5 |

### Geology (GEOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| GEOL& 101 | Introduction to Physical Geology | 5 |
| GEOL 107 | Natural Disasters | 5 |
| GEOL& 208 | Geology of The Pacific Northwest | 5 |
| GEOL 218 | Environmental Geology | 5 |

### Math/Science Requirement

**Elective Credits** 10.0-15.0

With advising, choose from:

## Biology

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 221 | Majors Ecology/Evolution | 5 |

## Chemistry

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 121 | Introduction to Chemistry | 5 |
| CHEM& 131 | Introduction to Organic/ Biochemistry | 5 |
| CHEM& 261 | Organic Chemistry I | 6 |
| CHEM& 262 | Organic Chemistry II | 6 |
| CHEM& 263 | Organic Chemistry III | 6 |

## Organic Chemistry

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 261 | Organic Chemistry I | 6 |
| CHEM& 262 | Organic Chemistry II | 6 |
| CHEM& 263 | Organic Chemistry III | 6 |

## Geology

| Course ID | Title | Credits |
|---|---|---|
| GEOL& 101 | Introduction to Physical Geology | 5 |
| GEOL& 208 | Geology of The Pacific Northwest | 5 |
| GEOL 218 | Environmental Geology | 5 |

## Math

| Course ID | Title | Credits |
|---|---|---|
| MATH& 146 | Introduction to Statistics | 5 |
| MATH& 153 | Calculus III | 5 |
| MATH 200 | Finite Mathematics | 5 |
| MATH 211 | Linear Algebra | 5 |
| MATH 238 | Differential Equations | 5 |

## Physics

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 114 | General Physics I w/Lab | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |
| PHYS& 221 | Engineering Physics I | 5 |
| PHYS& 222 | Engineering Physics II | 5 |
| PHYS& 223 | Engineering Physics III | 5 |

### Nutrition (NUTR)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| NUTR& 101 | Nutrition | 5 |
| NUTR 105 | Nutrition In Healthcare I | 1 |
| NUTR 106 | Nutrition In Healthcare II | 1 |
| NUTR 107 | Nutrition In Healthcare III | 1 |
| NUTR 202 | Nutrition In Healthcare IV | 1 |

### Physics (PHYS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 100 | Physics for Non-Science Majors | 5 |
| PHYS& 114 | General Physics I w/Lab | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |
| PHYS& 221 | Engineering Physics I | 5 |
| PHYS& 222 | Engineering Physics II | 5 |
| PHYS& 223 | Engineering Physics III | 5 |

### Science/Technology/Engineering/Math (STEM)

**Elective Credits** 2.0

| Course ID | Title | Credits |
|---|---|---|
| STEM 201 | Research Methods I | 2 |
| STEM 203 | Research Methods II | 2 |

## Zoology Biology (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 213 | Majors Animals | 5 |
| BIOL 217 | Introduction to Ornithology | 5 |
| BIOL& 241 | Human Anatomy & Physiology I | 5 |
| BIOL& 242 | Human Anatomy & Physiology II | 5 |

## Lab Science Courses (Minimum five credits)

**Elective Credits** 5.0

# Anthropology

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 205 | Biological Anthropology | 5 |

# Astronomy

| Course ID | Title | Credits |
|---|---|---|
| ASTR& 101 | Introduction to Astronomy | 5 |

# Biology

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 100 | Survey of Biology | 5 |
| BIOL 125 | Environmental Science | 5 |
| BIOL 126 | Survey of Genetics | 5 |
| BIOL 127 | Northwest Environments | 5 |
| BIOL 185 | Insects & Ecosystems | 5 |
| BIOL 186 | Survey of Plants of The Pacific Northwest | 5 |
| BIOL& 211 | Majors Cellular | 5 |
| BIOL& 212 | Majors Plants | 5 |
| BIOL& 213 | Majors Animals | 5 |
| BIOL 216 | Plant Classification | 5 |
| BIOL 217 | Introduction to Ornithology | 5 |
| BIOL 218 | Insect Classification | 5 |
| BIOL 230 | Ethnobotany | 5 |
| BIOL& 241 | Human Anatomy & Physiology I | 5 |
| BIOL& 242 | Human Anatomy & Physiology II | 5 |
| BIOL& 260 | Microbiology | 5 |

# Chemistry

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 110 | Chemical Concepts | 5 |
| CHEM& 121 | Introduction to Chemistry | 5 |
| CHEM& 131 | Introduction to Organic/ Biochemistry | 5 |
| CHEM& 161 | General Chemistry I | 5 |
| CHEM& 162 | General Chemistry II | 5 |
| CHEM& 163 | General Chemistry III | 6 |
| CHEM& 261 | Organic Chemistry I | 6 |
| CHEM& 262 | Organic Chemistry II | 6 |
| CHEM& 263 | Organic Chemistry III | 6 |

# Geology

| Course ID | Title | Credits |
|---|---|---|
| GEOL& 101 | Introduction to Physical Geology | 5 |
| GEOL& 208 | Geology of The Pacific Northwest | 5 |

# Meteorology

| Course ID | Title | Credits |
|---|---|---|
| METR 210 | Introduction to Weather & Climate | 5 |

# Physics

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 114 | General Physics I w/Lab | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |
| PHYS& 221 | Engineering Physics I | 5 |
| PHYS& 222 | Engineering Physics II | 5 |
| PHYS& 223 | Engineering Physics III | 5 |

## Physical Education (PEH)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| PEH 286 | Exercise Physiology | 5 |
| PEH 288 | Anatomical Kinesiology | 5 |

## General Electives

***General Electives*** *are normally accepted at institutions that grant bachelor's degrees whether or not an AAS degree is earned. In addition to the list below, all courses listed in the sections of writing, quantitative/symbolic, humanities, natural sciences and social sciences distribution requirements may be used as general electives.*

* a maximum of three PEH/PEHR activity credits are allowed in degrees.

## Accounting (ACCT)

| Course ID | Title | Credits |
|---|---|---|
| ACCT& 201 | Principles of Accounting I | 5 |
| ACCT& 201 | Principles of Accounting I | 5 |
| ACCT& 203 | Principles of Accounting III | 5 |

## Agriculture (AGRI)

| Course ID | Title | Credits |
|---|---|---|
| AGRI 101 | Introduction to Agriculture | 3 |
| AGRI 108 | Introduction to Horticulture | 3 |

## Business Administration (BUS)

| Course ID | Title | Credits |
|---|---|---|
| BUS& 101 | Introduction to Business | 5 |
| BUS& 201 | Business Law | 5 |
| BUS 240 | Principles of Management | 5 |
| BUS 241 | Principles of Marketing | 5 |

## Chemical Dependency Studies (CDS):

| Course ID | Title | Credits |
|---|---|---|
| ASP 101 | Physiological Action of Alcohol and Other Drugs | 5 |

## Computer Science (CSC)

| Course ID | Title | Credits |
|---|---|---|
| CSC 110 | Introduction to Data Analytics | 5 |
| CSC& 141 | Programming Fundamentals | 5 |
| CSC 210 | Data Analytics Systems & Algorithms | 5 |
| CSC 215 | Advanced Data Analytics Systems & Algorithms | 5 |
| CSC 243 | Advanced Data Structures and Algorithms | 5 |

## Criminal Justice (CJ)

| Course ID | Title | Credits |
|---|---|---|
| CJ& 101 | Introduction to Criminal Justice | 5 |
| CJ& 105 | Introduction to Corrections | 5 |
| CJ& 106 | Introduction to Juvenile Justice | 5 |
| CJ& 110 | Criminal Law | 5 |

## Education (EDUC)

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 202 | Introduction to Education | 5 |
| EDUC& 204 | Exceptional Child (Introduction to Special Education) | 5 |
| EDUC 210 | Education Practicum | 3 |

## Engineering (ENGR)

| Course ID | Title | Credits |
|---|---|---|
| ENGR& 214 | Engineering Statics | 5 |

## Environmental Science (ENVS)

| Course ID | Title | Credits |
|---|---|---|
| ENVS 230 | Intro to Fisheries Science and Management | 5 |
| ENVS 231 | Introduction to Forest Resources | 5 |

## Latin (LATN)

| Course ID | Title | Credits |
|---|---|---|
| LATN 110 | Conversational Latin Workshop | 1-4 |
| LATN 220 | Conversational Latin Workshop | 1-4 |

## Math (MATH)

| Course ID | Title | Credits |
|---|---|---|
| MATH 195 | Mathematical Computing | 1 |

## Music (MUS)

| Course ID | Title | Credits |
|---|---|---|
| MUS 145 | Brass Class Instruction | 1 |
| MUS 146 | Woodwind (Single Reed) Class Instruction | 1 |

## Physical Education Activities (PEH)

* a maximum of three PEH/PEHR ***activity*** credits are allowed in degrees.

| Course ID | Title | Credits |
|---|---|---|
| PEH 102 | Total Conditioning: Body Blast Conditioning | 2 |
| PEH 104 | Body Conditioning: Weight Training | 2 |
| PEH 112 | Functional Movement Training for The Athlete | 1 |
| PEH 115 | Court Sports | 1 |
| PEH 116 | Court Sports | 2 |
| PEH 118 | Beginning Karate | 1 |
| PEH 119 | Tai Chi | 1 |
| PEH 120 | Beginning Fencing | 1 |
| PEH 121 | Pilates | 1 |
| PEH 122 | Yoga | 1 |
| PEH 123 | Yoga/Pilates | 2 |
| PEH 124 | Intermediate Yoga | 1 |
| PEH 125 | Golf | 1 |
| PEH 126 | Beginning Racquetball | 1 |
| PEH 127 | Yoga II | 2 |
| PEH 130 | Beginning Self-Defense | 1 |
| PEH 133 | Wilderness Backpacking | 2 |
| PEH 134 | Introduction to Rock Climbing | 2 |
| PEH 142 | Cross-Training | 1 |
| PEH 143 | Cross-Training | 2 |
| PEH 150 | Beginning Tennis | 1 |
| PEH 155 | Volleyball | 1 |
| PEH 161 | Fitness Lab | 1 |
| PEH 162 | Fitness Lab | 2 |
| PEH 226 | Advanced Racquetball | 2 |
| PEH 261 | Fitness Lab | 1 |
| PEH 262 | Fitness Lab | 2 |

## Physical Education Recreation Activities (PEHR)

* a maximum of three PEH/PEHR ***activity*** credits are allowed in degrees.

| Course ID | Title | Credits |
|---|---|---|
| PEHR 105 | Hiking In North Central Washington | 2 |
| PEHR 106 | Alpine Ski and Snowboard | 2 |
| PEHR 107 | Columbia River Rowing | 2 |
| PEHR 144 | Cross-Country Skiing | 1 |

## Physical Education Professional (PEH)

| Course ID | Title | Credits |
|---|---|---|
| PEH 180 | Personal Wellness | 3 |
| PEH 181 | Health and Wellness | 5 |
| PEH 182 | 1st Aid-Responding to Emergencies | 5 |
| PEH 189 | Athletic Training Practicum I | 1 |
| PEH 250 | Ace Personal Trainer Certification | 3 |
| PEH 283 | Sports Nutrition | 3 |
| PEH 284 | Foundations of Fitness | 3 |
| PEH 285 | Introduction to Physical Education | 3 |
| PEH 287 | Athletic Training | 5 |
| PEH 289 | Athletic Training Practicum II | 2 |

## Physical Education Recreation Professional (PEHR)

| Course ID | Title | Credits |
|---|---|---|
| PEHR 201 | Introduction to Recreation Management | 5 |
| PEHR 202 | Environmental Education | 5 |
| PEHR 204 | Intro to Outdoor Leadership and Facilitation | 3 |

### Restricted Electives - Max 15 Credits

**Restricted Electives** are courses numbered 100 or higher that do not normally transfer to institutions that grant bachelor's degrees. These courses are normally accepted only when included in the AAS degree. A maximum of 15 restricted credits can be included in the AAS degree under the Electives section. Any course numbered 100 or above that is not in the writing, quantitative/symbolic, humanities, natural sciences and social sciences distribution requirements can be considered a Restricted Elective course.

Note: Courses not listed here that were previously offered at WVC may still count toward a degree. Check with the registrar for a complete list of courses which count toward this degree.

### Diversity Elective

**Elective Credits** 5.0

View wvc.edu/DR for list of diversity requirements.

# Pathway for Sustainability - Direct Transfer Agreement (DTA)

**Degree Type**
Associate in Arts Degree DTA

The Sustainability Guided Pathway is part of the Associate of Arts Direct Transfer Agreement (AA DTA), which is focused on preparing students to transfer to universities in Washington State, while also being competitive for entry level employment. This option is available to all students, including those in Running Start and in Omak (all online) who are interested in transferring into a Sustainability major, minor, or emphasis program at a four-year institution OR who want to be better prepared for the green workforce at graduation.

The pathway for the DTA will require three core courses, Introduction to Sustainability, Ecological Literature, and Natural Resources & Society that cover the meta-competences in Sustainability—Problem Solving and Strategic Thinking. Other key competences for sustainability include systems thinking, futures thinking, values thinking, and interpersonal work. These competences will be acquired through taking other suggested courses in the pathway which should also meet the Sustainability program learning outcomes (listed below). Some of the courses feature green workforce foundational knowledge or skills components that were identified in our regional employer demand assessment survey.

The core courses GEOG 150 and ENGL 106 are recommended to take in your first year if possible. These courses will provide you with an overview of the core topics in Sustainability and a strong foundation in the key competencies. NATR 235 or GEOG& 200 represents the capstone course in the pathway and so is best taken in your second year when you are more prepared to apply sustainability concepts you have learned.

**Workforce Preparation Students** in this pathway are competitive for a variety of technician level positions in Natural Resources and Environmental Science, especially within the local area.

**Transfer Preparation Students** who follow the pathway guide and earn their DTA will meet most, if not all, of the general education requirements at four-year institutions making it a popular choice for students planning to major in the areas of environmental sustainability, social justice, or ecological economics.

**Program learning outcomes (PLOs)** outline the knowledge and skills that students acquire throughout the program. Students who complete the DTA pathway in Sustainability at WVC will be able to:
- Use maps and other geographic tools to acquire, process, and report information from a spatial perspective.
- Demonstrate an understanding of the three aspects of sustainability—environmental, economic viability, and equity (social justice).
- Explain climate science and identify climate solutions to address known and projected consequences.
- Explain how a circular economy works and how it helps achieve sustainable development goals.
- Reflect on the role of sustainability in their personal lives and their local community to create an ethics of caring for a common home, which expresses their cultural awareness, sensitivity, diversity and cultural competency.
- Analyze and explain the interconnections of natural and human systems (ecological, social, economic, cultural, and political) at local, national, and global scales.
- Articulate an inter-generational perspective to envision the elements of a socially just and sustainable society.
- Apply an understanding of environmental racism, while also exploring the meaning of power and privilege, along with historical patterns, marginalization and demographics of American society, in terms of ethnicity, gender and socio-economic status.

The Sustainability DTA pathway is a curated pathway mapped to the existing Associates of Arts (AA-DTA) requirements. Students completing this pathway have significant flexibility in their course selections as they only need to meet the AA-DTA requirements. The courses designated below were carefully selected to best prepare students to be major- and employment-ready in the field of Sustainability. The Sustainability DTA Advisor is available to assist students in selecting alternative choices.

Students can also apply for a **Sustainability Distinction Certificate** as part of the pathway signifying a mastery of high-demand competencies that are essential for navigating our rapidly changing world and contributing to a more sustainable future, enhancing their academic and professional profile. Contact the Sustainability Coordinator to ask about applying for the Sustainability Distinction if you intend to complete the core courses and the capstone course.

*Contact: Sustainability Coordinator & Program Advisor | Joan Qazi ( jqazi@wvc.edu Sustainability Office: 1325N in Mish ee Twie*

| | |
|---|---|
| Total Credits | 90 |

**Course Sequencing**

## Writing: 10 credits

**AA-DTA Requirement: ENGL 101 AND ENGL 201, ENGL 202, 203 OR ENGL& 235**

**Recommended Course Selections:**

ENGL& 101: General Composition (required)

ENGL& 235: Technical Writing

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |
| | English (ENGL) | 5.0 |

## Quantitative/Symbolic: 5 credits

**Students may select any courses that meet the quantitative and symbolic requirements for an AA-DTA at WVC.**

**Recommended Course Selection:**

MATH& 146: Introduction to Statistics

Students may also select alternative courses that fulfill the Quantitative/Symbolic requirements for the *AA-DTA at WVC*.

| Course ID | Title | Credits |
|---|---|---|
| | Mathematics (MATH) Q | 5.0 |
| | Philosophy (PHIL) [Q] | 5.0 |

## Humanities: 15 credits

**AA-DTA Requirement: 15 credits of Humanities for three different subject areas.**

**Recommended Course Selections:**

ENGL 106: Introduction to Ecoliterature (Core Course)

CMST& 220: Public Speaking

PHIL& 115: Critical Thinking

Students may also select alternative courses that fulfill the Quantitative/Symbolic requirements for the *AA-DTA at WVC*.

| Course ID | Title | Credits |
|---|---|---|
| | American Indian Indigenous Studies (AIIS) [H] | 5.0 |
| | Art (ART) | 5.0 |
| | Chicano Studies (CHST) | 5.0 |
| | Communication Studies (CMST) | 5.0 |
| | Drama (DRMA) | 5.0 |
| | English (ENGL) | 5.0 |
| | Humanities (HUMN) | 5.0 |
| | Journalism (JOUR) | 5.0 |
| | Music (MUS) | 1.0-5 |
| | Philosophy (PHIL) | 1.0-5 |
| | Theater Arts (THTR) | 5.0 |
| | World Languages | 5.0 |

## Social Sciences: 15 credits

**AA-DTA Requirement: 15 credits of Social Science from three different subject areas.**

**Recommended Course Selections:**

GEOG: 150: Introduction to Sustainability (Core Course) [D]

ECON 201: Microeconomics

ANTH 206: Cultural Anthropology [D]

Students may also select alternative courses that fulfill the Quantitative/Symbolic requirements for the *AA-DTA at WVC*.

| Course ID | Title | Credits |
|---|---|---|
| | American Indian Indigenous Studies (AIIS) | 5.0 |
| | Anthropology (ANTH) [SS] | 5.0 |
| | Chicano Studies (CHST) | 5.0 |
| | Early Childhood Education (ECED) | 5.0 |
| | Economics (ECON) | 5.0 |
| | Education (EDUC) | 5.0 |
| | Geography (GEOG) | 5.0 |
| | History (HIST) | 5.0 |
| | Political Science (POLS) | 5.0 |
| | Psychology (PSYC) | 1.0-5 |
| | Sociology (SOC) | 5.0 |

## Natural Sciences: 15 credits

**AA-DTA Requirement: 15 credits of Natural Science from three different subject areas.**

**Recommended Course Selections:**

METR 110: Earth's Changing Climate

BIOL 103: Salmon & Society

CHEM 121: Introduction to Chemistry

Students may also select alternative courses that fulfill the Quantitative/Symbolic requirements for the *AA-DTA at WVC*.

| Course ID | Title | Credits |
|---|---|---|
| | Anthropology (ANTH) [NS] | 5.0 |
| | Astronomy (ASTR) | 5.0 |
| | Biology General (BIOL) | 5.0 |
| | Botany Biology (BIOL) | 5.0 |
| | Chemistry/Science Requirement | 5.0 |
| | Computer Science (CSC) | 5.0 |
| | Environmental Biology (BIOL) | 5.0 |
| | Oceanography (OCEA) | 5.0 |
| | Geology (GEOL) | 5.0 |
| | Math/Science Requirement | 10.0-15 |
| | Nutrition (NUTR) | 1.0-5 |
| | Physics (PHYS) | 5.0 |
| | Science/Technology/ Engineering/Math (STEM) | 2.0 |
| | Zoology Biology (BIOL) | 5.0 |
| | Lab Science Courses (Minimum five credits) | 5.0 |

## Electives: 30 credits

**AA-DTA Requirement: 30 credits of Electives**
**No more than 15 credits of Restricted Electives (RE)**
**No more than three PEH/PEHR activity credits**

**Recommended Course Selections:**

NATR 235: Society and Natural Resources or GEOG& 200: Introduction to Human Geography (Core Course)

GEOG 215: GIS

BIOL 125: Environmental Science

SOC 151: Sociology of Race & Ethnicity

PEHR 202: Environmental Education

NATR 198/298: Field Skills in Natural Resources

BCT 284: Project Management

Students may also select alternative courses that fulfill the Quantitative/Symbolic requirements for the *AA-DTA at WVC*.

| Course ID | Title | Credits |
|---|---|---|
| | General Electives | |
| | Restricted Electives - Max 15 Credits | |
| | Diversity Elective | 5.0 |

Note: Courses not listed here that were previously offered at WVC may still count toward a degree. Check with the registrar for a complete list of courses that count toward this degree.

The DTA requires at least five credits from diversity courses. There are designated [Di] on this guide. Other courses are available. Refer to the WVC catalog and website for additional information.

Experience is critical for many jobs in the Green Economy. You can gain a lot of transferable 'soft' skills through any job or through the Sustainability Studies Canvas Modules, but you will want to get some applied experience as well. If you are not able to secure applicable employment, then consider volunteering for a related non-profit even for a short while. The program advisor may have relevant contacts for jobs, volunteering or internships.

### English (ENGL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 111 | Introduction to Literature | 5 |
| ENGL& 112 | Introduction to Fiction | 5 |
| ENGL& 113 | Introduction to Poetry | 5 |
| ENGL 135 | Creative Writing | 5 |
| ENGL 215 | Fantasy Fiction | 5 |
| ENGL& 226 | British Literature | 5 |
| ENGL 240 | World Literature | 5 |
| ENGL 247 | Multicultural Literature | 5 |
| ENGL 250 | American Literature | 5 |
| ENGL 255 | Women's Literature | 5 |
| ENGL 275 | Fiction Writing | 5 |
| ENGL 276 | Poetry Writing | 5 |
| ENGL 106 | Introduction to Ecoliterature | 5 |

### Mathematics (MATH) Q

**Elective Credits** 5.0

## Mathematics

| Course ID | Title | Credits |
|---|---|---|
| MATH& 107 | Math In Society | 5 |
| MATH 140 | Precalculus for Business and Social Sciences | 5 |
| MATH& 141 | Precalculus I | 5 |
| MATH& 142 | Precalculus II | 5 |
| MATH& 146 | Introduction to Statistics | 5 |
| MATH& 148 | Business Calculus | 5 |
| MATH& 151 | Calculus I | 5 |
| MATH& 152 | Calculus II | 5 |
| MATH& 153 | Calculus III | 5 |
| MATH 200 | Finite Mathematics | 5 |
| MATH 211 | Linear Algebra | 5 |
| MATH 238 | Differential Equations | 5 |
| MATH& 254 | Calculus IV | 5 |

### Philosophy (PHIL) [Q]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| PHIL& 120 | Symbolic Logic | 5 |

### American Indian Indigenous Studies (AIIS) [H]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| AIIS 170 | Film & Cinema Through The Indigenous Lens | 5 |
| AIIS 203 | Introduction to AIIS Literature | 5 |

## Art (ART)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ART& 100 | Art Appreciation | 5 |
| ART 106 | Design 2-Dimensional Composition and Color | 5 |
| ART 107 | 3D Design Introduction to Sculpture | 5 |
| ART 110 | Drawing I | 5 |
| ART 111 | Figure Drawing I | 5 |
| ART 113 | Drawing II | 5 |
| ART 116 | Drawing: Figure II | 5 |
| ART 117 | Drawing: Figure III | 5 |
| ART 130 | Graphic Design Technology I | 5 |
| ART 131 | Graphic Design Technology II | 5 |
| ART 132 | 3D Digital Design 1: Intro to 3D Computer Aided Modeling | 5 |
| ART 133 | 3D Digital Design 2: Advanced Modeling, Rendering and Presentation | 5 |
| ART 134 | Introduction to Graphic Design | 5 |
| ART 135 | Graphic Design I | 5 |
| ART 137 | Typography | 5 |
| ART 138 | Digital Photography | 5 |
| ART 139 | Publication Design & Layout | 5 |
| ART 141 | Illustration I | 5 |
| ART 142 | Illustration II | 5 |
| ART 143 | Natural Science Illustration | 5 |
| ART 150 | Ceramics I | 5 |
| ART 151 | Ceramics II | 5 |
| ART 152 | Ceramics III | 5 |
| ART 154 | Sculpture 1 | 5 |
| ART 155 | Sculpture 2 | 5 |
| ART 201 | Art History Survey: Ancient to Medieval | 5 |
| ART 202 | Art History Survey: Renaissance | 5 |
| ART 203 | Art History Survey: Modern | 5 |
| ART 204 | Contemporary Art History | 5 |
| ART 206 | Printmaking: Intaglio | 5 |
| ART 208 | Printmaking: Relief | 5 |
| ART 210 | Painting I | 5 |
| ART 211 | Painting II | 5 |
| ART 212 | Painting III | 5 |
| ART 213 | Watercolor I | 5 |
| ART 217 | Native American Beading I | 5 |
| ART 218 | Native American Beading II | 5 |
| ART 219 | Native American Beading III | 5 |
| ART 220 | Painting: Advanced | 5 |
| ART 222 | Drawing: Advanced | 5 |
| ART 224 | Printmaking 1 | 5 |
| ART 225 | Printmaking: Advanced | 5 |
| ART 233 | Packaging Design | 5 |
| ART 234 | Graphic Design II | 5 |
| ART 235 | Web Graphic Design | 5 |
| ART 236 | Graphic Design- Branding | 5 |
| ART 250 | Ceramics: Advanced | 5 |
| ART 256 | Sculpture: Advanced | 5 |

## Chicano Studies (CHST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CHST 120 | Identity, Art & Culture | 5 |

## Communication Studies (CMST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CMST& 101 | Introduction to Communication | 5 |
| CMST 130 | Survey of Digital Communications | 5 |
| CMST& 210 | Interpersonal Communication | 5 |
| CMST& 220 | Public Speaking | 5 |

## Drama (DRMA)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| DRMA& 101 | Introduction to Theatre | 5 |

## Humanities (HUMN)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| HUM& 101 | Introduction to Humanities | 5 |
| HUM& 116 | Humanities I | 5 |
| HUM& 117 | Humanities II | 5 |
| HUM& 118 | Humanities III | 5 |
| HUMN 141 | Film & Culture | 5 |
| HUMN 206 | Mythology & Symbolism | 5 |
| HUMN 207 | Comics & Graphic Novels | 5 |
| HUMN 242 | Global Cinema | 5 |

## Journalism (JOUR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| JOUR 101 | Introduction to Journalism | 5 |

## Music (MUS)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| MUS 100 | Introduction to Music | 5 |
| MUSC& 105 | Music Appreciation | 5 |
| MUS 110 | Individual Voice Instruction | 1 |
| MUS 111 | Individual Piano Instruction | 1 |
| MUS 112 | Individual Instrument Instruction | 1 |
| MUS 113 | Jazz History | 5 |
| MUS 114 | Survey of Rock: History of Rock Styles | 3 |
| MUS 116 | Introduction to The Music/Audio Technology I | 5 |
| MUS 120 | Voice Class Instruction | 1 |
| MUSC& 121 | Ear Training I | 2 |
| MUSC& 122 | Ear Training II | 2 |
| MUSC& 123 | Ear Training III | 2 |
| MUS 125 | Piano Class Instruction | 1 |
| MUSC& 131 | Music Theory 1 | 3 |
| MUSC& 132 | Music Theory 2 | 3 |
| MUSC& 133 | Music Theory 3 | 3 |
| MUS 161 | Community Chorus | 1 |
| MUS 170 | WVC Chamber Choir | 2 |
| MUS 172 | Vocal Jazz Ensemble | 2 |
| MUS 173 | Mariachi Music | 2 |
| MUS 174 | Jazz Ensemble | 1-2 |
| MUS 175 | Instrumental Ensemble | 1-2 |
| MUS 177 | Guitar Orchestra | 1-2 |
| MUS 210 | Individual Voice Instruction | 1 |
| MUS 211 | Individual Piano Instruction | 1 |
| MUS 212 | Individual Instrument Instruction | 1 |
| MUS 221 | Piano Class Instruction | 1 |
| MUSC& 241 | Music Theory 4 | 5 |
| MUSC& 242 | Music Theory 5 | 5 |
| MUSC& 243 | Music Theory 6 | 5 |
| MUS 261 | Community Chorus | 1 |
| MUS 270 | WVC Chamber Choir | 2 |
| MUS 272 | WVC Vocal Jazz Ensemble | 2 |
| MUS 273 | Mariachi Music | 2 |
| MUS 274 | Jazz Ensemble | 1-2 |
| MUS 275 | Instrumental Ensemble | 1-2 |
| MUS 277 | Guitar Orchestra | 1-2 |

## Philosophy (PHIL)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| PHIL& 101 | Introduction to Philosophy | 5 |
| PHIL 105 | Ethics and Policy In Healthcare I | 2 |
| PHIL& 115 | Critical Thinking | 5 |
| PHIL& 120 | Symbolic Logic | 5 |
| PHIL 201 | Ethics and Policy In Healthcare II | 1 |
| PHIL 202 | Ethics and Policy In Healthcare III | 1 |
| PHIL 203 | Ethics and Policy In Healthcare IV | 1 |
| PHIL 210 | Philosophy of Religion | 5 |
| PHIL 211 | Introduction to Ethics | 5 |
| PHIL 275 | Comparative World Religions | 5 |

### Theater Arts (THTR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| THTR 165 | Acting I | 5 |
| THTR 170 | Production & Administration | 5 |
| THTR 265 | Acting II | 5 |

### World Languages

**Elective Credits** 5.0

(Maximum five credits from World Languages in Humanities distribution):

## American Sign Language (ASL)

| Course ID | Title | Credits |
|---|---|---|
| ASL& 121 | American Sign Language I | 5 |
| ASL& 122 | American Sign Language II | 5 |
| ASL& 123 | American Sign Language III | 5 |
| ASL& 221 | American Sign Language IV | 5 |
| ASL& 222 | American Sign Language V | 5 |
| ASL& 223 | American Sign Language VI | 5 |

## German (GERM)

| Course ID | Title | Credits |
|---|---|---|
| GERM& 121 | German I | 5 |
| GERM& 122 | German II | 5 |
| GERM& 123 | German III | 5 |

## Japanese (JAPN)

| Course ID | Title | Credits |
|---|---|---|
| JAPN& 121 | Japanese I | 5 |
| JAPN& 122 | Japanese II | 5 |
| JAPN& 123 | Japanese III | 5 |
| JAPN& 221 | Japanese IV | 5 |
| JAPN& 222 | Japanese V | 5 |
| JAPN& 223 | Japanese VI | 5 |

## Latin (LATN)

| Course ID | Title | Credits |
|---|---|---|
| LATN 101 | Latin I | 5 |
| LATN 102 | Latin II | 5 |
| LATN 103 | Latin III | 5 |

## Native American Languages (NAL)

| Course ID | Title | Credits |
|---|---|---|
| NAL 101 | Native American Language I: nselxcin | 5 |
| NAL 102 | Native American Language II: nselxcin | 5 |
| NAL 103 | Native American Language III: nselxcin | 5 |
| NAL 111 | Native American Language I: nimipu | 5 |
| NAL 112 | Native American Language II: nimipu | 5 |
| NAL 113 | Native American Language III: nimipu | 5 |
| NAL 121 | Native American Language I: nxa?amxcin | 5 |
| NAL 122 | Native American Language II: nxa?amxcin | 5 |
| NAL 123 | Native American Language III: nxa?amxcin | 5 |
| NAL 204 | Native American Language IV: nselxcin | 5 |
| NAL 205 | Native American Language V: nselxcin | 5 |
| NAL 206 | Native American Language VI: nselxcin | 5 |
| NAL 214 | Native American Language IV: nimipu | 5 |
| NAL 215 | Native American Language V: nimipu | 5 |
| NAL 216 | Native American Language VI: nimipu | 5 |
| NAL 224 | Native American Language IV: nxa?amxcin | 5 |
| NAL 225 | Native American Language V: nxa?amxcin | 5 |
| NAL 226 | Native American Language VI: nxa?amxcin | 5 |

## Spanish

| Course ID | Title | Credits |
|---|---|---|
| SPAN& 121 | Spanish I | 5 |
| SPAN& 122 | Spanish II | 5 |
| SPAN& 123 | Spanish III | 5 |
| SPAN& 221 | Spanish IV | 5 |
| SPAN& 222 | Spanish V | 5 |
| SPAN& 223 | Spanish VI | 5 |
| SPAN 231 | Spanish for Heritage Learners I | 5 |
| SPAN 232 | Spanish for Heritage Learners II | 5 |
| SPAN 233 | Spanish for Heritage Learners III | 5 |

### American Indian Indigenous Studies (AIIS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| AIIS 102 | Introduction to American Indian Indigenous Studies | 5 |
| AIIS 103 | The Indigenous Pacific Northwest | 5 |
| AIIS 150 | History of American Indian Education | 5 |
| AIIS 202 | Contemporary Topics In AIIS | 5 |
| AIIS 209 | Native American History to 1815 | 5 |
| AIIS 210 | Native North America 1815 to Present | 5 |
| AIIS 240 | Indigenous Women of North America | 5 |

### Anthropology (ANTH) [SS]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 100 | Survey of Anthropology | 5 |
| ANTH& 204 | Archaeology | 5 |
| ANTH& 206 | Cultural Anthropology | 5 |
| ANTH& 207 | Introduction to Linguistics | 5 |
| ANTH& 217 | Plateau Native Peoples | 5 |
| ANTH 220 | Cross-Cultural Studies | 5 |

### Chicano Studies (CHST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CHST 112 | Chicano/a History: An American Journey | 5 |
| CHST 115 | La Chicana: Gender History & Intellectualism | 5 |

### Early Childhood Education (ECED)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ECED& 105 | Introduction to Early Childhood Education | 5 |

### Economics (ECON)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ECON 101 | Introduction to Economics | 5 |
| ECON& 201 | Micro Economics | 5 |
| ECON& 202 | Macro Economics | 5 |

### Education (EDUC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 115 | Child Development | 5 |

### Geography (GEOG)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| GEOG& 100 | Introduction to Geography | 5 |
| GEOG& 102 | World Regional Geography | 5 |
| GEOG 150 | Introduction to Sustainability | 5 |
| GEOG& 207 | Geography of The Economy | 5 |
| GEOG 215 | Introduction to GIS | 5 |

### History (HIST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| HIST& 116 | Western Civilization I | 5 |
| HIST& 117 | Western Civilization II | 5 |
| HIST& 118 | Western Civilization III | 5 |
| HIST& 146 | US History I | 5 |
| HIST& 147 | US History II | 5 |
| HIST 202 | The American Constitution: From Constitutional Convention to the Present | 5 |
| HIST& 214 | Pacific Northwest History | 5 |
| HIST& 215 | Women In US History | 5 |
| HIST& 219 | Native American History | 5 |
| HIST 230 | History/First Peoples of The Plateau Region | 5 |
| HIST 238 | US History 1945 to Present | 5 |
| HIST 240 | Hip Hop History: A Movement that Rewrote History without a Pen | 5 |
| HIST 260 | History of Mexico | 5 |
| HIST 261 | Latin America: History Through Revolution | 5 |
| HIST 271 | Eastern World History-Southeast Asia | 5 |
| HIST 274 | Eastern World History-East Asia | 5 |
| HIST 275 | Eastern World History-South Asia | 5 |

## Political Science (POLS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| POLS& 101 | Introduction to Political Science | 5 |
| POLS& 202 | American Government | 5 |
| POLS& 203 | International Relations | 5 |
| POLS 205 | Contemporary World Problems | 5 |
| POLS 206 | State and Local Politics | 5 |

## Psychology (PSYC)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| PSYC& 100 | General Psychology | 5 |
| PSYC 102 | Psychology of Adjustment | 5 |
| PSYC 105 | Psychosocial Issues In Healthcare I | 1 |
| PSYC& 200 | Lifespan Psychology | 5 |
| PSYC 202 | Psychosocial Issues In Healthcare II | 1 |
| PSYC 203 | Psychosocial Issues In Healthcare III | 3 |
| PSYC 204 | Psychosocial Issues In Healthcare IV | 1 |
| PSYC 205 | Human Sexuality | 5 |
| PSYC 215 | Psychology of Sport | 5 |
| PSYC& 220 | Abnormal Psychology | 5 |
| PSYC 245 | Social Psychology | 5 |

## Sociology (SOC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| SOC& 101 | Introduction to Sociology | 5 |
| SOC 110 | Introduction to Social Work | 5 |
| SOC 135 | Sociology of Women | 5 |
| SOC 151 | Sociology of Race and Ethnicity | 5 |
| SOC& 201 | Social Problems | 5 |
| SOC 203 | Sociology of Sport | 5 |
| SOC 225 | Sociology of Family | 5 |

## Anthropology (ANTH) [NS]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 205 | Biological Anthropology | 5 |

## Astronomy (ASTR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ASTR& 101 | Introduction to Astronomy | 5 |

## Biology General (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 100 | Survey of Biology | 5 |
| BIOL 126 | Survey of Genetics | 5 |
| BIOL 185 | Insects & Ecosystems | 5 |
| BIOL& 211 | Majors Cellular | 5 |
| BIOL 218 | Insect Classification | 5 |
| BIOL& 260 | Microbiology | 5 |

## Botany Biology (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL 186 | Survey of Plants of The Pacific Northwest | 5 |
| BIOL& 212 | Majors Plants | 5 |
| BIOL 216 | Plant Classification | 5 |
| BIOL 230 | Ethnobotany | 5 |

## Chemistry/Science Requirement

**Elective Credits** 5.0

Chemistry 161 for Engineering majors; others select five credits of science based on advising.

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 161 | General Chemistry I | 5 |

## Computer Science (CSC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CSC& 142 | Intermediate Programming | 5 |

## Environmental Biology (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL 103 | Salmon, Ecosystems and Society | 5 |
| BIOL 106 | Introduction to Marine Biology | 5 |
| BIOL 125 | Environmental Science | 5 |
| BIOL 127 | Northwest Environments | 5 |
| BIOL& 221 | Majors Ecology/Evolution | 5 |
| ENVS 170 | Introduction to Stream Ecology | 5 |

## Oceanography (OCEA)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| OCEA& 100 | Introduction to Oceanography | 5 |

## Geology (GEOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| GEOL& 101 | Introduction to Physical Geology | 5 |
| GEOL 107 | Natural Disasters | 5 |
| GEOL& 208 | Geology of The Pacific Northwest | 5 |
| GEOL 218 | Environmental Geology | 5 |

## Math/Science Requirement

**Elective Credits** 10.0-15.0

With advising, choose from:

### Biology

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 221 | Majors Ecology/Evolution | 5 |

### Chemistry

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 121 | Introduction to Chemistry | 5 |
| CHEM& 131 | Introduction to Organic/ Biochemistry | 5 |
| CHEM& 261 | Organic Chemistry I | 6 |
| CHEM& 262 | Organic Chemistry II | 6 |
| CHEM& 263 | Organic Chemistry III | 6 |

### Organic Chemistry

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 261 | Organic Chemistry I | 6 |
| CHEM& 262 | Organic Chemistry II | 6 |
| CHEM& 263 | Organic Chemistry III | 6 |

### Geology

| Course ID | Title | Credits |
|---|---|---|
| GEOL& 101 | Introduction to Physical Geology | 5 |
| GEOL& 208 | Geology of The Pacific Northwest | 5 |
| GEOL 218 | Environmental Geology | 5 |

### Math

| Course ID | Title | Credits |
|---|---|---|
| MATH& 146 | Introduction to Statistics | 5 |
| MATH& 153 | Calculus III | 5 |
| MATH 200 | Finite Mathematics | 5 |
| MATH 211 | Linear Algebra | 5 |
| MATH 238 | Differential Equations | 5 |

## Physics

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 114 | General Physics I w/Lab | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |
| PHYS& 221 | Engineering Physics I | 5 |
| PHYS& 222 | Engineering Physics II | 5 |
| PHYS& 223 | Engineering Physics III | 5 |

### Nutrition (NUTR)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| NUTR& 101 | Nutrition | 5 |
| NUTR 105 | Nutrition In Healthcare I | 1 |
| NUTR 106 | Nutrition In Healthcare II | 1 |
| NUTR 107 | Nutrition In Healthcare III | 1 |
| NUTR 202 | Nutrition In Healthcare IV | 1 |

### Physics (PHYS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 100 | Physics for Non-Science Majors | 5 |
| PHYS& 114 | General Physics I w/Lab | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |
| PHYS& 221 | Engineering Physics I | 5 |
| PHYS& 222 | Engineering Physics II | 5 |
| PHYS& 223 | Engineering Physics III | 5 |

### Science/Technology/Engineering/Math (STEM)

**Elective Credits** 2.0

| Course ID | Title | Credits |
|---|---|---|
| STEM 201 | Research Methods I | 2 |
| STEM 203 | Research Methods II | 2 |

### Zoology Biology (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 213 | Majors Animals | 5 |
| BIOL 217 | Introduction to Ornithology | 5 |
| BIOL& 241 | Human Anatomy & Physiology I | 5 |
| BIOL& 242 | Human Anatomy & Physiology II | 5 |

### Lab Science Courses (Minimum five credits)

**Elective Credits** 5.0

## Anthropology

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 205 | Biological Anthropology | 5 |

## Astronomy

| Course ID | Title | Credits |
|---|---|---|
| ASTR& 101 | Introduction to Astronomy | 5 |

## Biology

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 100 | Survey of Biology | 5 |
| BIOL 125 | Environmental Science | 5 |
| BIOL 126 | Survey of Genetics | 5 |
| BIOL 127 | Northwest Environments | 5 |
| BIOL 185 | Insects & Ecosystems | 5 |
| BIOL 186 | Survey of Plants of The Pacific Northwest | 5 |
| BIOL& 211 | Majors Cellular | 5 |
| BIOL& 212 | Majors Plants | 5 |
| BIOL& 213 | Majors Animals | 5 |
| BIOL 216 | Plant Classification | 5 |
| BIOL 217 | Introduction to Ornithology | 5 |
| BIOL 218 | Insect Classification | 5 |
| BIOL 230 | Ethnobotany | 5 |
| BIOL& 241 | Human Anatomy & Physiology I | 5 |
| BIOL& 242 | Human Anatomy & Physiology II | 5 |
| BIOL& 260 | Microbiology | 5 |

## Chemistry

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 110 | Chemical Concepts | 5 |
| CHEM& 121 | Introduction to Chemistry | 5 |
| CHEM& 131 | Introduction to Organic/ Biochemistry | 5 |
| CHEM& 161 | General Chemistry I | 5 |
| CHEM& 162 | General Chemistry II | 5 |
| CHEM& 163 | General Chemistry III | 6 |
| CHEM& 261 | Organic Chemistry I | 6 |
| CHEM& 262 | Organic Chemistry II | 6 |
| CHEM& 263 | Organic Chemistry III | 6 |

## Geology

| Course ID | Title | Credits |
|---|---|---|
| GEOL& 101 | Introduction to Physical Geology | 5 |
| GEOL& 208 | Geology of The Pacific Northwest | 5 |

## Meteorology

| Course ID | Title | Credits |
|---|---|---|
| METR 210 | Introduction to Weather & Climate | 5 |

## Physics

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 114 | General Physics I w/Lab | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |
| PHYS& 221 | Engineering Physics I | 5 |
| PHYS& 222 | Engineering Physics II | 5 |
| PHYS& 223 | Engineering Physics III | 5 |

### General Electives

***General Electives** are normally accepted at institutions that grant bachelor's degrees whether or not an AAS degree is earned. In addition to the list below, all courses listed in the sections of writing, quantitative/symbolic, humanities, natural sciences and social sciences distribution requirements may be used as general electives.*

* a maximum of three PEH/PEHR activity credits are allowed in degrees.

## Accounting (ACCT)

| Course ID | Title | Credits |
|---|---|---|
| ACCT& 201 | Principles of Accounting I | 5 |
| ACCT& 201 | Principles of Accounting I | 5 |
| ACCT& 203 | Principles of Accounting III | 5 |

## Agriculture (AGRI)

| Course ID | Title | Credits |
|---|---|---|
| AGRI 101 | Introduction to Agriculture | 3 |
| AGRI 108 | Introduction to Horticulture | 3 |

## Business Administration (BUS)

| Course ID | Title | Credits |
|---|---|---|
| BUS& 101 | Introduction to Business | 5 |
| BUS& 201 | Business Law | 5 |
| BUS 240 | Principles of Management | 5 |
| BUS 241 | Principles of Marketing | 5 |

## Chemical Dependency Studies (CDS):

| Course ID | Title | Credits |
|---|---|---|
| ASP 101 | Physiological Action of Alcohol and Other Drugs | 5 |

## Computer Science (CSC)

| Course ID | Title | Credits |
|---|---|---|
| CSC 110 | Introduction to Data Analytics | 5 |
| CSC& 141 | Programming Fundamentals | 5 |
| CSC 210 | Data Analytics Systems & Algorithms | 5 |
| CSC 215 | Advanced Data Analytics Systems & Algorithms | 5 |
| CSC 243 | Advanced Data Structures and Algorithms | 5 |

## Criminal Justice (CJ)

| Course ID | Title | Credits |
|---|---|---|
| CJ& 101 | Introduction to Criminal Justice | 5 |
| CJ& 105 | Introduction to Corrections | 5 |
| CJ& 106 | Introduction to Juvenile Justice | 5 |
| CJ& 110 | Criminal Law | 5 |

## Education (EDUC)

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 202 | Introduction to Education | 5 |
| EDUC& 204 | Exceptional Child (Introduction to Special Education) | 5 |
| EDUC 210 | Education Practicum | 3 |

## Engineering (ENGR)

| Course ID | Title | Credits |
|---|---|---|
| ENGR& 214 | Engineering Statics | 5 |

## Environmental Science (ENVS)

| Course ID | Title | Credits |
|---|---|---|
| ENVS 230 | Intro to Fisheries Science and Management | 5 |
| ENVS 231 | Introduction to Forest Resources | 5 |

## Latin (LATN)

| Course ID | Title | Credits |
|---|---|---|
| LATN 110 | Conversational Latin Workshop | 1-4 |
| LATN 220 | Conversational Latin Workshop | 1-4 |

## Math (MATH)

| Course ID | Title | Credits |
|---|---|---|
| MATH 195 | Mathematical Computing | 1 |

## Music (MUS)

| Course ID | Title | Credits |
|---|---|---|
| MUS 145 | Brass Class Instruction | 1 |
| MUS 146 | Woodwind (Single Reed) Class Instruction | 1 |

## Physical Education Activities (PEH)

* a maximum of three PEH/PEHR ***activity*** credits are allowed in degrees.

| Course ID | Title | Credits |
|---|---|---|
| PEH 102 | Total Conditioning: Body Blast Conditioning | 2 |
| PEH 104 | Body Conditioning: Weight Training | 2 |
| PEH 112 | Functional Movement Training for The Athlete | 1 |
| PEH 115 | Court Sports | 1 |
| PEH 116 | Court Sports | 2 |
| PEH 118 | Beginning Karate | 1 |
| PEH 119 | Tai Chi | 1 |
| PEH 120 | Beginning Fencing | 1 |
| PEH 121 | Pilates | 1 |
| PEH 122 | Yoga | 1 |
| PEH 123 | Yoga/Pilates | 2 |
| PEH 124 | Intermediate Yoga | 1 |
| PEH 125 | Golf | 1 |
| PEH 126 | Beginning Racquetball | 1 |
| PEH 127 | Yoga II | 2 |
| PEH 130 | Beginning Self-Defense | 1 |
| PEH 133 | Wilderness Backpacking | 2 |
| PEH 134 | Introduction to Rock Climbing | 2 |
| PEH 142 | Cross-Training | 1 |
| PEH 143 | Cross-Training | 2 |
| PEH 150 | Beginning Tennis | 1 |
| PEH 155 | Volleyball | 1 |
| PEH 161 | Fitness Lab | 1 |
| PEH 162 | Fitness Lab | 2 |
| PEH 226 | Advanced Racquetball | 2 |
| PEH 261 | Fitness Lab | 1 |
| PEH 262 | Fitness Lab | 2 |

## Physical Education Recreation Activities (PEHR)

* a maximum of three PEH/PEHR ***activity*** credits are allowed in degrees.

| Course ID | Title | Credits |
|---|---|---|
| PEHR 105 | Hiking In North Central Washington | 2 |
| PEHR 106 | Alpine Ski and Snowboard | 2 |
| PEHR 107 | Columbia River Rowing | 2 |
| PEHR 144 | Cross-Country Skiing | 1 |

## Physical Education Professional (PEH)

| Course ID | Title | Credits |
|---|---|---|
| PEH 180 | Personal Wellness | 3 |
| PEH 181 | Health and Wellness | 5 |
| PEH 182 | 1st Aid-Responding to Emergencies | 5 |
| PEH 189 | Athletic Training Practicum I | 1 |
| PEH 250 | Ace Personal Trainer Certification | 3 |
| PEH 283 | Sports Nutrition | 3 |
| PEH 284 | Foundations of Fitness | 3 |
| PEH 285 | Introduction to Physical Education | 3 |
| PEH 287 | Athletic Training | 5 |
| PEH 289 | Athletic Training Practicum II | 2 |

## Physical Education Recreation Professional (PEHR)

| Course ID | Title | Credits |
|---|---|---|
| PEHR 201 | Introduction to Recreation Management | 5 |
| PEHR 202 | Environmental Education | 5 |
| PEHR 204 | Intro to Outdoor Leadership and Facilitation | 3 |

### Restricted Electives - Max 15 Credits

**Restricted Electives** are courses numbered 100 or higher that do not normally transfer to institutions that grant bachelor's degrees. These courses are normally accepted only when included in the AAS degree. A maximum of 15 restricted credits can be included in the AAS degree under the Electives section. Any course numbered 100 or above that is not in the writing, quantitative/symbolic, humanities, natural sciences and social sciences distribution requirements can be considered a Restricted Elective course.

Note: Courses not listed here that were previously offered at WVC may still count toward a degree. Check with the registrar for a complete list of courses which count toward this degree.

## Diversity Elective

**Elective Credits** 5.0

View wvc.edu/DR for list of diversity requirements.

# Pathway Natural Resources - Direct Transfer Agreement (DTA)

**Degree Type**
Associate in Arts Degree DTA

The Natural Resources pathway at WVC equips students with foundational knowledge of aquatic and terrestrial ecosystems, practical field skills, and an understanding of the social aspects of resource management. Course recommendations focus on preparing students for transfer to universities while also ensuring they are competitive for entry-level natural resource technician positions. Students in this pathway earn an Associate of Arts and Sciences (AA-DTA). The course selections are flexible and can be adapted to a variety of education and career goals.

**Workforce Preparation |** Students in this pathway are competitive for a variety of technician-level positions in Natural Resources and Environmental Science, especially within the local area.

**Transfer Preparation |** Students who generally follow the course recommendations will meet most, if not all, of the general education requirements at four-year institutions and will be major-ready for a wide variety of degrees in ecology, environmental science, environmental studies, natural resources management, and related fields.

The pathway is curated in consultation with local natural resource agencies and organizations.

**Program Learning Outcomes**

Program learning outcomes (PLOs) outline the knowledge and skills that students acquire through completion of the pathway. The outcomes are reviewed annually by an advisory group comprised of local professionals representing various natural resource areas and agencies.

Students who complete the AA-DTA pathway in Natural Resources at WVC will be able to:

- Operate tools and equipment commonly used in the natural resources fieldwork.
- Utilize maps, aerial photographs, and land survey abilities in the management of natural resources, including geographic information systems.
- Understand and apply concepts of ecology, conservation, and management for timber, fish, wildlife, and their habitats.
- Identify important plant and animal species for the North Central Washington ecosystem.
- Select and apply appropriate field techniques to sample, measure, and monitor timber, fish, and wildlife species and their habitat(s).
- Identify and model interpersonal skills and professional behavior needed for successful job performance.
- Demonstrate the ability to locate opportunities and prepare application materials for state and federal jobs in natural resources.
- Describe biotic and abiotic processes, including human impacts that influence ecosystems and contribute to ecological change.
- Objectively predict, assess, analyze, synthesize, and evaluate perspectives of diverse stakeholders regarding natural resource problems and issues.
- Understand cultural diversity and describe the impact of the global distribution of people and wealth on natural resource use and valuation.

***For additional information, contact Bobbi Johnson at bjohnson@wvc.edu***

| | |
|---|---|
| Total Credits | 90 |

**Course Sequencing**

## Writing: 10 credits

**AA-DTA Requirement: ENGL& 101 and ENGL 201, 202, 203, or ENGL& 235**

**Recommended Course Selections:**

- ENGL& 101: Composition (required)
- ENGL& 235: Technical Writing (strongly recommended)

*The courses recommended here provide the best match to the knowledge, skills, and abilities a natural resource professional needs as well as those classes that will best prepare a student for transfer to a natural resource related major at a four-year institution. Students may select other courses that meet the Writing requirements for an AA-DTA at WVC.*

A grade of 2.0 or higher ("C" grade) in ENGL courses is required for graduation.

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |
| ENGL& 235 | Technical Writing | 5 |
| | Select five credits from English | 5.0 |

## Quantitative/Symbolic: 5 credits

**Students may select any courses that meet the quantitative/symbolic requirements for an AA-DTA at WVC.**

**Recommended Course Selections:**

- MATH& 146: Intro to Statistics (recommended) -or- MATH& 107: Math in Society (recommended)

*The courses recommended here provide the best match to the knowledge, skills, and abilities a natural resource professional needs as well as those classes that will best prepare a student for transfer to a natural resource related major at a four-year institution. Students may select other courses that meet the Quantitative/Symbolic requirements for an AA-DTA at WVC.*

| Course ID | Title | Credits |
|---|---|---|
| MATH& 146 | Introduction to Statistics | 5 |
| MATH& 107 | Math In Society | 5 |
| | Mathematics (MATH) Q | 5.0 |
| | Philosophy (PHIL) [Q] | 5.0 |

## Humanities: 15 credits

**AA-DTA Requirement: 15 credits of Humanities from three different subject areas.**

**Recommended Course Selections:**

- CMST& 210: Interpersonal Communication
- PHIL& 115: Critical Thinking
- AIIS 203: Introduction to AIIS Literature [Di]

*The courses recommended here provide the best match to the knowledge, skills, and abilities a natural resource professional needs as well as those classes that will best prepare a student for transfer to a natural resource related major at a four-year institution. Students may select other courses that meet the Humanities requirements for an AA-DTA at WVC.*

| Course ID | Title | Credits |
|---|---|---|
| CMST& 210 | Interpersonal Communication | 5 |
| PHIL& 115 | Critical Thinking | 5 |
| AIIS 203 | Introduction to AIIS Literature | 5 |
| | American Indian Indigenous Studies (AIIS) [H] | 5.0 |
| | Art (ART) | 5.0 |
| | Chicano Studies (CHST) | 5.0 |
| | Communication Studies (CMST) | 5.0 |
| | Drama (DRMA) | 5.0 |
| | English (ENGL) | 5.0 |
| | Humanities (HUMN) | 5.0 |
| | Journalism (JOUR) | 5.0 |
| | Music (MUS) | 1.0-5 |
| | Philosophy (PHIL) | 1.0-5 |
| | Theater Arts (THTR) | 5.0 |
| | World Languages | 5.0 |

## Social Sciences: 15 credits

**AA-DTA Requirement: 15 credits of Social Science from three different subject areas.**

**Recommended Course Selections:**

- GEOG 215: Introduction to GIS
- ECON& 202: Macro Economics
- AIIS 103: The Indigenous Pacific Northwest [Di]

*The courses recommended here provide the best match to the knowledge, skills, and abilities a natural resource professional needs as well as those classes that will best prepare a student for transfer to a natural resource related major at a four-year institution. Students may select other courses that meet the Social Science requirements for an AA-DTA at WVC.*

| Course ID | Title | Credits |
|---|---|---|
| GEOG 215 | Introduction to GIS | 5 |
| ECON& 202 | Macro Economics | 5 |
| AIIS 103 | The Indigenous Pacific Northwest | 5 |
| | American Indian Indigenous Studies (AIIS) | 5.0 |
| | Anthropology (ANTH) [SS] | 5.0 |
| | Chicano Studies (CHST) | 5.0 |
| | Early Childhood Education (ECED) | 5.0 |
| | Economics (ECON) | 5.0 |
| | Education (EDUC) | 5.0 |
| | Geography (GEOG) | 5.0 |
| | History (HIST) | 5.0 |
| | Political Science (POLS) | 5.0 |
| | Psychology (PSYC) | 1.0-5 |
| | Sociology (SOC) | 5.0 |

## Natural Sciences: 15 credits

**AA-DTA Requirement: 15 credits of Natural Science. Must be from three different subject areas. One course must include a lab.**

**Recommended Course Selections:**

- BIOL& 211: Major Cellular
- BIOL& 212: Major Plants
- BIOL& 213: Major Animals

*The courses recommended here provide the best match to the knowledge, skills, and abilities a natural resource professional needs as well as those classes that will best prepare a student for transfer to a natural resource related major at a four-year institution. Students may select other courses that meet the Natural Science requirements for an AA-DTA at WVC.*

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 211 | Majors Cellular | 5 |
| BIOL& 212 | Majors Plants | 5 |
| BIOL& 213 | Majors Animals | 5 |
| | Anthropology (ANTH) [NS] | 5.0 |
| | Astronomy (ASTR) | 5.0 |
| | Biology General (BIOL) | 5.0 |
| | Botany Biology (BIOL) | 5.0 |
| | Chemistry (CHEM) | 5.0-6 |
| | Computer Science (CSC) | 5.0 |
| | Environmental Biology (BIOL) | 5.0 |
| | Oceanography (OCEA) | 5.0 |
| | Geology (GEOL) | 5.0 |
| | Mathematics (MATH) NS | 5.0 |
| | Meteorology (METR) | 5.0 |
| | Nutrition (NUTR) | 1.0-5 |
| | Physical Education (PEH) | 5.0 |
| | Physics (PHYS) | 5.0 |
| | Science/Technology/ Engineering/Math (STEM) | 2.0 |
| | Zoology Biology (BIOL) | 5.0 |
| | Lab Science Courses (Minimum five credits) | 5.0 |

## Electives: 30 credits

**AA-DTA Requirement: 30 credits of Electives.**

**No more than 15 credits of Restricted Electives [RE].**

**No more than three PEH/PEHR activity credits.**

**Strongly Recommended Course Selections:**

- BIOL 103: Salmon and Society [Di]
- ENVS 170: Intro Stream Ecology
- ENVS 230: Fisheries Science and Management
- NATR 160, 220, 240 (all [RE]), or other ENVS course(s)
  -or- NATR 198/298: Field Skills in Natural Resources [RE]
  -or- CWE 196/296 Cooperative Work Experience [RE]
  -or- NATR 108 [RE] (3 Cr) + NATR 198/298 [RE] (2 Cr)
- BIOL 125: Environmental Science
- NATR 235: Society and Natural Resources -or- GEOG& 200: Intro to Human Geog
- BIOL 217: Intro. to Ornithology

**Other Recommended Options**

- BIOL& 221: Majors Ecology/Evolution
- GEOG 150: Intro to Sustainability [Di]
- CHEM& 121: Intro to Chem -or- CHEM& 110: Chem Concepts
- BCT 284: Project Mgmt [RE] -or- BCT 130: Spreadsheets [RE]

*The courses recommended here provide the best match to the knowledge, skills, and abilities a natural resource professional needs as well as those classes that will best prepare a student for transfer to a natural resource related major at a four-year institution. Students may select other courses that meet the Elective requirements for an AA-DTA at WVC.*

| Course ID | Title | Credits |
|---|---|---|
| BIOL 103 | Salmon, Ecosystems and Society | 5 |
| ENVS 170 | Introduction to Stream Ecology | 5 |
| ENVS 230 | Intro to Fisheries Science and Management | 5 |
| BIOL 125 | Environmental Science | 5 |
| NATR 235 | Society and Natural Resources | 5 |
| GEOG& 200 | Introduction to Human Geography | 5 |
| BIOL 217 | Introduction to Ornithology | 5 |
| BIOL& 221 | Majors Ecology/Evolution | 5 |
| GEOG 150 | Introduction to Sustainability | 5 |
| CHEM& 121 | Introduction to Chemistry | 5 |
| CHEM& 110 | Chemical Concepts | 5 |
| BCT 284 | Project Management | 5 |
| BCT 130 | Spreadsheets | 5 |
| | Biology General (BIOL) | 5.0 |
| | Environmental Biology (BIOL) | 5.0 |
| | Lab Science Courses (Minimum five credits) | 5.0 |
| | Science/Technology/ Engineering/Math (STEM) | 2.0 |
| | General Electives | |
| | Restricted Electives - Max 15 Credits | |
| NATR 160 | Introduction to Forest Health and Ecology | 5 |
| NATR 220 | Introduction to Wildland Fire Ecology and Restoration | 5 |
| NATR 240 | Maps, Navigation, and Aerial Photos | 5 |
| NATR 196 | Cooperative Work Experience | 1-5 |
| NATR 108 | Exploring Natural Resources | 3 |

Note: Courses not listed here that were previously offered at WVC may still count toward a degree. Check with the registrar for a complete list of courses that count toward this degree.

The DTA requires at least five credits from diversity courses. These are designated [Di] on this guide. Other courses are available. See the WVC catalog and website for more information.

### Select five credits from English

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ENGL 201 | Composition: Advanced Essay | 5 |
| ENGL 202 | Composition: Critical Analysis | 5 |
| ENGL 203 | Composition: Research | 5 |
| ENGL& 235 | Technical Writing | 5 |

### Mathematics (MATH) Q

**Elective Credits** 5.0

## Mathematics

| Course ID | Title | Credits |
|---|---|---|
| MATH& 107 | Math In Society | 5 |
| MATH 140 | Precalculus for Business and Social Sciences | 5 |
| MATH& 141 | Precalculus I | 5 |
| MATH& 142 | Precalculus II | 5 |
| MATH& 146 | Introduction to Statistics | 5 |
| MATH& 148 | Business Calculus | 5 |
| MATH& 151 | Calculus I | 5 |
| MATH& 152 | Calculus II | 5 |
| MATH& 153 | Calculus III | 5 |
| MATH 200 | Finite Mathematics | 5 |
| MATH 211 | Linear Algebra | 5 |
| MATH 238 | Differential Equations | 5 |
| MATH& 254 | Calculus IV | 5 |

### Philosophy (PHIL) [Q]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| PHIL& 120 | Symbolic Logic | 5 |

### American Indian Indigenous Studies (AIIS) [H]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| AIIS 170 | Film & Cinema Through The Indigenous Lens | 5 |
| AIIS 203 | Introduction to AIIS Literature | 5 |

### Art (ART)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ART& 100 | Art Appreciation | 5 |
| ART 106 | Design 2-Dimensional Composition and Color | 5 |
| ART 107 | 3D Design Introduction to Sculpture | 5 |
| ART 110 | Drawing I | 5 |
| ART 111 | Figure Drawing I | 5 |
| ART 113 | Drawing II | 5 |
| ART 116 | Drawing: Figure II | 5 |
| ART 117 | Drawing: Figure III | 5 |
| ART 130 | Graphic Design Technology I | 5 |
| ART 131 | Graphic Design Technology II | 5 |
| ART 132 | 3D Digital Design 1: Intro to 3D Computer Aided Modeling | 5 |
| ART 133 | 3D Digital Design 2: Advanced Modeling, Rendering and Presentation | 5 |
| ART 134 | Introduction to Graphic Design | 5 |
| ART 135 | Graphic Design I | 5 |
| ART 137 | Typography | 5 |
| ART 138 | Digital Photography | 5 |
| ART 139 | Publication Design & Layout | 5 |
| ART 141 | Illustration I | 5 |
| ART 142 | Illustration II | 5 |
| ART 143 | Natural Science Illustration | 5 |
| ART 150 | Ceramics I | 5 |
| ART 151 | Ceramics II | 5 |
| ART 152 | Ceramics III | 5 |
| ART 154 | Sculpture 1 | 5 |
| ART 155 | Sculpture 2 | 5 |
| ART 201 | Art History Survey: Ancient to Medieval | 5 |
| ART 202 | Art History Survey: Renaissance | 5 |
| ART 203 | Art History Survey: Modern | 5 |
| ART 204 | Contemporary Art History | 5 |
| ART 206 | Printmaking: Intaglio | 5 |
| ART 208 | Printmaking: Relief | 5 |
| ART 210 | Painting I | 5 |
| ART 211 | Painting II | 5 |
| ART 212 | Painting III | 5 |
| ART 213 | Watercolor I | 5 |
| ART 217 | Native American Beading I | 5 |
| ART 218 | Native American Beading II | 5 |
| ART 219 | Native American Beading III | 5 |
| ART 220 | Painting: Advanced | 5 |
| ART 222 | Drawing: Advanced | 5 |
| ART 224 | Printmaking 1 | 5 |
| ART 225 | Printmaking: Advanced | 5 |
| ART 233 | Packaging Design | 5 |
| ART 234 | Graphic Design II | 5 |
| ART 235 | Web Graphic Design | 5 |
| ART 236 | Graphic Design- Branding | 5 |
| ART 250 | Ceramics: Advanced | 5 |
| ART 256 | Sculpture: Advanced | 5 |

## Chicano Studies (CHST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CHST 120 | Identity, Art & Culture | 5 |

## Communication Studies (CMST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CMST& 101 | Introduction to Communication | 5 |
| CMST 130 | Survey of Digital Communications | 5 |
| CMST& 210 | Interpersonal Communication | 5 |
| CMST& 220 | Public Speaking | 5 |

## Drama (DRMA)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| DRMA& 101 | Introduction to Theatre | 5 |

## English (ENGL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 111 | Introduction to Literature | 5 |
| ENGL& 112 | Introduction to Fiction | 5 |
| ENGL& 113 | Introduction to Poetry | 5 |
| ENGL 135 | Creative Writing | 5 |
| ENGL 215 | Fantasy Fiction | 5 |
| ENGL& 226 | British Literature | 5 |
| ENGL 240 | World Literature | 5 |
| ENGL 247 | Multicultural Literature | 5 |
| ENGL 250 | American Literature | 5 |
| ENGL 255 | Women's Literature | 5 |
| ENGL 275 | Fiction Writing | 5 |
| ENGL 276 | Poetry Writing | 5 |
| ENGL 106 | Introduction to Ecoliterature | 5 |

## Humanities (HUMN)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| HUM& 101 | Introduction to Humanities | 5 |
| HUM& 116 | Humanities I | 5 |
| HUM& 117 | Humanities II | 5 |
| HUM& 118 | Humanities III | 5 |
| HUMN 141 | Film & Culture | 5 |
| HUMN 206 | Mythology & Symbolism | 5 |
| HUMN 207 | Comics & Graphic Novels | 5 |
| HUMN 242 | Global Cinema | 5 |

## Journalism (JOUR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| JOUR 101 | Introduction to Journalism | 5 |

## Music (MUS)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| MUS 100 | Introduction to Music | 5 |
| MUSC& 105 | Music Appreciation | 5 |
| MUS 110 | Individual Voice Instruction | 1 |
| MUS 111 | Individual Piano Instruction | 1 |
| MUS 112 | Individual Instrument Instruction | 1 |
| MUS 113 | Jazz History | 5 |
| MUS 114 | Survey of Rock: History of Rock Styles | 3 |
| MUS 116 | Introduction to The Music/Audio Technology I | 5 |
| MUS 120 | Voice Class Instruction | 1 |
| MUSC& 121 | Ear Training I | 2 |
| MUSC& 122 | Ear Training II | 2 |
| MUSC& 123 | Ear Training III | 2 |
| MUS 125 | Piano Class Instruction | 1 |
| MUSC& 131 | Music Theory 1 | 3 |
| MUSC& 132 | Music Theory 2 | 3 |
| MUSC& 133 | Music Theory 3 | 3 |
| MUS 161 | Community Chorus | 1 |
| MUS 170 | WVC Chamber Choir | 2 |
| MUS 172 | Vocal Jazz Ensemble | 2 |
| MUS 173 | Mariachi Music | 2 |
| MUS 174 | Jazz Ensemble | 1-2 |
| MUS 175 | Instrumental Ensemble | 1-2 |
| MUS 177 | Guitar Orchestra | 1-2 |
| MUS 210 | Individual Voice Instruction | 1 |
| MUS 211 | Individual Piano Instruction | 1 |
| MUS 212 | Individual Instrument Instruction | 1 |
| MUS 221 | Piano Class Instruction | 1 |
| MUSC& 241 | Music Theory 4 | 5 |
| MUSC& 242 | Music Theory 5 | 5 |
| MUSC& 243 | Music Theory 6 | 5 |
| MUS 261 | Community Chorus | 1 |
| MUS 270 | WVC Chamber Choir | 2 |
| MUS 272 | WVC Vocal Jazz Ensemble | 2 |
| MUS 273 | Mariachi Music | 2 |
| MUS 274 | Jazz Ensemble | 1-2 |
| MUS 275 | Instrumental Ensemble | 1-2 |
| MUS 277 | Guitar Orchestra | 1-2 |

## Philosophy (PHIL)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| PHIL& 101 | Introduction to Philosophy | 5 |
| PHIL 105 | Ethics and Policy In Healthcare I | 2 |
| PHIL& 115 | Critical Thinking | 5 |
| PHIL& 120 | Symbolic Logic | 5 |
| PHIL 201 | Ethics and Policy In Healthcare II | 1 |
| PHIL 202 | Ethics and Policy In Healthcare III | 1 |
| PHIL 203 | Ethics and Policy In Healthcare IV | 1 |
| PHIL 210 | Philosophy of Religion | 5 |
| PHIL 211 | Introduction to Ethics | 5 |
| PHIL 275 | Comparative World Religions | 5 |

## Theater Arts (THTR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| THTR 165 | Acting I | 5 |
| THTR 170 | Production & Administration | 5 |
| THTR 265 | Acting II | 5 |

## World Languages

**Elective Credits** 5.0

(Maximum five credits from World Languages in Humanities distribution):

# American Sign Language (ASL)

| Course ID | Title | Credits |
|---|---|---|
| ASL& 121 | American Sign Language I | 5 |
| ASL& 122 | American Sign Language II | 5 |
| ASL& 123 | American Sign Language III | 5 |
| ASL& 221 | American Sign Language IV | 5 |
| ASL& 222 | American Sign Language V | 5 |
| ASL& 223 | American Sign Language VI | 5 |

# German (GERM)

| Course ID | Title | Credits |
|---|---|---|
| GERM& 121 | German I | 5 |
| GERM& 122 | German II | 5 |
| GERM& 123 | German III | 5 |

## Japanese (JAPN)

| Course ID | Title | Credits |
|---|---|---|
| JAPN& 121 | Japanese I | 5 |
| JAPN& 122 | Japanese II | 5 |
| JAPN& 123 | Japanese III | 5 |
| JAPN& 221 | Japanese IV | 5 |
| JAPN& 222 | Japanese V | 5 |
| JAPN& 223 | Japanese VI | 5 |

## Latin (LATN)

| Course ID | Title | Credits |
|---|---|---|
| LATN 101 | Latin I | 5 |
| LATN 102 | Latin II | 5 |
| LATN 103 | Latin III | 5 |

## Native American Languages (NAL)

| Course ID | Title | Credits |
|---|---|---|
| NAL 101 | Native American Language I: nselxcin | 5 |
| NAL 102 | Native American Language II: nselxcin | 5 |
| NAL 103 | Native American Language III: nselxcin | 5 |
| NAL 111 | Native American Language I: nimipu | 5 |
| NAL 112 | Native American Language II: nimipu | 5 |
| NAL 113 | Native American Language III: nimipu | 5 |
| NAL 121 | Native American Language I: nxa?amxcin | 5 |
| NAL 122 | Native American Language II: nxa?amxcin | 5 |
| NAL 123 | Native American Language III: nxa?amxcin | 5 |
| NAL 204 | Native American Language IV: nselxcin | 5 |
| NAL 205 | Native American Language V: nselxcin | 5 |
| NAL 206 | Native American Language VI: nselxcin | 5 |
| NAL 214 | Native American Language IV: nimipu | 5 |
| NAL 215 | Native American Language V: nimipu | 5 |
| NAL 216 | Native American Language VI: nimipu | 5 |
| NAL 224 | Native American Language IV: nxa?amxcin | 5 |
| NAL 225 | Native American Language V: nxa?amxcin | 5 |
| NAL 226 | Native American Language VI: nxa?amxcin | 5 |

## Spanish

| Course ID | Title | Credits |
|---|---|---|
| SPAN& 121 | Spanish I | 5 |
| SPAN& 122 | Spanish II | 5 |
| SPAN& 123 | Spanish III | 5 |
| SPAN& 221 | Spanish IV | 5 |
| SPAN& 222 | Spanish V | 5 |
| SPAN& 223 | Spanish VI | 5 |
| SPAN 231 | Spanish for Heritage Learners I | 5 |
| SPAN 232 | Spanish for Heritage Learners II | 5 |
| SPAN 233 | Spanish for Heritage Learners III | 5 |

### American Indian Indigenous Studies (AIIS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| AIIS 102 | Introduction to American Indian Indigenous Studies | 5 |
| AIIS 103 | The Indigenous Pacific Northwest | 5 |
| AIIS 150 | History of American Indian Education | 5 |
| AIIS 202 | Contemporary Topics In AIIS | 5 |
| AIIS 209 | Native American History to 1815 | 5 |
| AIIS 210 | Native North America 1815 to Present | 5 |
| AIIS 240 | Indigenous Women of North America | 5 |

### Anthropology (ANTH) [SS]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 100 | Survey of Anthropology | 5 |
| ANTH& 204 | Archaeology | 5 |
| ANTH& 206 | Cultural Anthropology | 5 |
| ANTH& 207 | Introduction to Linguistics | 5 |
| ANTH& 217 | Plateau Native Peoples | 5 |
| ANTH 220 | Cross-Cultural Studies | 5 |

### Early Childhood Education (ECED)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ECED& 105 | Introduction to Early Childhood Education | 5 |

### Economics (ECON)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ECON 101 | Introduction to Economics | 5 |
| ECON& 201 | Micro Economics | 5 |
| ECON& 202 | Macro Economics | 5 |

## Education (EDUC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 115 | Child Development | 5 |

## Geography (GEOG)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| GEOG& 100 | Introduction to Geography | 5 |
| GEOG& 102 | World Regional Geography | 5 |
| GEOG 150 | Introduction to Sustainability | 5 |
| GEOG& 207 | Geography of The Economy | 5 |
| GEOG 215 | Introduction to GIS | 5 |

## History (HIST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| HIST& 116 | Western Civilization I | 5 |
| HIST& 117 | Western Civilization II | 5 |
| HIST& 118 | Western Civilization III | 5 |
| HIST& 146 | US History I | 5 |
| HIST& 147 | US History II | 5 |
| HIST 202 | The American Constitution: From Constitutional Convention to the Present | 5 |
| HIST& 214 | Pacific Northwest History | 5 |
| HIST& 215 | Women In US History | 5 |
| HIST& 219 | Native American History | 5 |
| HIST 230 | History/First Peoples of The Plateau Region | 5 |
| HIST 238 | US History 1945 to Present | 5 |
| HIST 240 | Hip Hop History: A Movement that Rewrote History without a Pen | 5 |
| HIST 260 | History of Mexico | 5 |
| HIST 261 | Latin America: History Through Revolution | 5 |
| HIST 271 | Eastern World History-Southeast Asia | 5 |
| HIST 274 | Eastern World History-East Asia | 5 |
| HIST 275 | Eastern World History-South Asia | 5 |

## Political Science (POLS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| POLS& 101 | Introduction to Political Science | 5 |
| POLS& 202 | American Government | 5 |
| POLS& 203 | International Relations | 5 |
| POLS 205 | Contemporary World Problems | 5 |
| POLS 206 | State and Local Politics | 5 |

## Psychology (PSYC)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| PSYC& 100 | General Psychology | 5 |
| PSYC 102 | Psychology of Adjustment | 5 |
| PSYC 105 | Psychosocial Issues In Healthcare I | 1 |
| PSYC& 200 | Lifespan Psychology | 5 |
| PSYC 202 | Psychosocial Issues In Healthcare II | 1 |
| PSYC 203 | Psychosocial Issues In Healthcare III | 3 |
| PSYC 204 | Psychosocial Issues In Healthcare IV | 1 |
| PSYC 205 | Human Sexuality | 5 |
| PSYC 215 | Psychology of Sport | 5 |
| PSYC& 220 | Abnormal Psychology | 5 |
| PSYC 245 | Social Psychology | 5 |

## Sociology (SOC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| SOC& 101 | Introduction to Sociology | 5 |
| SOC 110 | Introduction to Social Work | 5 |
| SOC 135 | Sociology of Women | 5 |
| SOC 151 | Sociology of Race and Ethnicity | 5 |
| SOC& 201 | Social Problems | 5 |
| SOC 203 | Sociology of Sport | 5 |
| SOC 225 | Sociology of Family | 5 |

## Anthropology (ANTH) [NS]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 205 | Biological Anthropology | 5 |

## Astronomy (ASTR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ASTR& 101 | Introduction to Astronomy | 5 |

## Biology General (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 100 | Survey of Biology | 5 |
| BIOL 126 | Survey of Genetics | 5 |
| BIOL 185 | Insects & Ecosystems | 5 |
| BIOL& 211 | Majors Cellular | 5 |
| BIOL 218 | Insect Classification | 5 |
| BIOL& 260 | Microbiology | 5 |

## Botany Biology (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL 186 | Survey of Plants of The Pacific Northwest | 5 |
| BIOL& 212 | Majors Plants | 5 |
| BIOL 216 | Plant Classification | 5 |
| BIOL 230 | Ethnobotany | 5 |

## Chemistry (CHEM)

**Elective Credits** 5.0-6.0

| Course ID | Title | Credits |
|---|---|---|
| CHEM 106 | Drugs in Society | 5 |
| CHEM& 110 | Chemical Concepts | 5 |
| CHEM& 121 | Introduction to Chemistry | 5 |
| CHEM& 131 | Introduction to Organic/ Biochemistry | 5 |
| CHEM& 161 | General Chemistry I | 5 |
| CHEM& 162 | General Chemistry II | 5 |
| CHEM& 163 | General Chemistry III | 6 |
| CHEM& 261 | Organic Chemistry I | 6 |
| CHEM& 262 | Organic Chemistry II | 6 |
| CHEM& 263 | Organic Chemistry III | 6 |

## Computer Science (CSC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CSC& 142 | Intermediate Programming | 5 |

## Environmental Biology (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL 103 | Salmon, Ecosystems and Society | 5 |
| BIOL 106 | Introduction to Marine Biology | 5 |
| BIOL 125 | Environmental Science | 5 |
| BIOL 127 | Northwest Environments | 5 |
| BIOL& 221 | Majors Ecology/Evolution | 5 |
| ENVS 170 | Introduction to Stream Ecology | 5 |

## Oceanography (OCEA)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| OCEA& 100 | Introduction to Oceanography | 5 |

## Geology (GEOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| GEOL& 101 | Introduction to Physical Geology | 5 |
| GEOL 107 | Natural Disasters | 5 |
| GEOL& 208 | Geology of The Pacific Northwest | 5 |
| GEOL 218 | Environmental Geology | 5 |

## Mathematics (MATH) NS

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| MATH& 107 | Math In Society | 5 |
| MATH 140 | Precalculus for Business and Social Sciences | 5 |
| MATH& 141 | Precalculus I | 5 |
| MATH& 142 | Precalculus II | 5 |
| MATH& 146 | Introduction to Statistics | 5 |
| MATH& 148 | Business Calculus | 5 |
| MATH& 151 | Calculus I | 5 |
| MATH& 152 | Calculus II | 5 |
| MATH& 153 | Calculus III | 5 |
| MATH 200 | Finite Mathematics | 5 |
| MATH 211 | Linear Algebra | 5 |
| MATH 238 | Differential Equations | 5 |
| MATH& 254 | Calculus IV | 5 |

## Meteorology (METR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| METR 110 | Earth's Changing Climate | 5 |
| METR 210 | Introduction to Weather & Climate | 5 |

### Nutrition (NUTR)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| NUTR& 101 | Nutrition | 5 |
| NUTR 105 | Nutrition In Healthcare I | 1 |
| NUTR 106 | Nutrition In Healthcare II | 1 |
| NUTR 107 | Nutrition In Healthcare III | 1 |
| NUTR 202 | Nutrition In Healthcare IV | 1 |

### Physical Education (PEH)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| PEH 286 | Exercise Physiology | 5 |
| PEH 288 | Anatomical Kinesiology | 5 |

### Physics (PHYS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 100 | Physics for Non-Science Majors | 5 |
| PHYS& 114 | General Physics I w/Lab | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |
| PHYS& 221 | Engineering Physics I | 5 |
| PHYS& 222 | Engineering Physics II | 5 |
| PHYS& 223 | Engineering Physics III | 5 |

### Science/Technology/Engineering/Math (STEM)

**Elective Credits** 2.0

| Course ID | Title | Credits |
|---|---|---|
| STEM 201 | Research Methods I | 2 |
| STEM 203 | Research Methods II | 2 |

### Zoology Biology (BIOL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 213 | Majors Animals | 5 |
| BIOL 217 | Introduction to Ornithology | 5 |
| BIOL& 241 | Human Anatomy & Physiology I | 5 |
| BIOL& 242 | Human Anatomy & Physiology II | 5 |

### Lab Science Courses (Minimum five credits)

**Elective Credits** 5.0

## Anthropology

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 205 | Biological Anthropology | 5 |

## Astronomy

| Course ID | Title | Credits |
|---|---|---|
| ASTR& 101 | Introduction to Astronomy | 5 |

## Biology

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 100 | Survey of Biology | 5 |
| BIOL 125 | Environmental Science | 5 |
| BIOL 126 | Survey of Genetics | 5 |
| BIOL 127 | Northwest Environments | 5 |
| BIOL 185 | Insects & Ecosystems | 5 |
| BIOL 186 | Survey of Plants of The Pacific Northwest | 5 |
| BIOL& 211 | Majors Cellular | 5 |
| BIOL& 212 | Majors Plants | 5 |
| BIOL& 213 | Majors Animals | 5 |
| BIOL 216 | Plant Classification | 5 |
| BIOL 217 | Introduction to Ornithology | 5 |
| BIOL 218 | Insect Classification | 5 |
| BIOL 230 | Ethnobotany | 5 |
| BIOL& 241 | Human Anatomy & Physiology I | 5 |
| BIOL& 242 | Human Anatomy & Physiology II | 5 |
| BIOL& 260 | Microbiology | 5 |

## Chemistry

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 110 | Chemical Concepts | 5 |
| CHEM& 121 | Introduction to Chemistry | 5 |
| CHEM& 131 | Introduction to Organic/ Biochemistry | 5 |
| CHEM& 161 | General Chemistry I | 5 |
| CHEM& 162 | General Chemistry II | 5 |
| CHEM& 163 | General Chemistry III | 6 |
| CHEM& 261 | Organic Chemistry I | 6 |
| CHEM& 262 | Organic Chemistry II | 6 |
| CHEM& 263 | Organic Chemistry III | 6 |

## Geology

| Course ID | Title | Credits |
|---|---|---|
| GEOL& 101 | Introduction to Physical Geology | 5 |
| GEOL& 208 | Geology of The Pacific Northwest | 5 |

## Meteorology

| Course ID | Title | Credits |
|---|---|---|
| METR 210 | Introduction to Weather & Climate | 5 |

## Physics

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 114 | General Physics I w/Lab | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |
| PHYS& 221 | Engineering Physics I | 5 |
| PHYS& 222 | Engineering Physics II | 5 |
| PHYS& 223 | Engineering Physics III | 5 |

### General Electives

***General Electives** are normally accepted at institutions that grant bachelor's degrees whether or not an AAS degree is earned. In addition to the list below, all courses listed in the sections of writing, quantitative/symbolic, humanities, natural sciences and social sciences distribution requirements may be used as general electives.*

* a maximum of three PEH/PEHR activity credits are allowed in degrees.

## Accounting (ACCT)

| Course ID | Title | Credits |
|---|---|---|
| ACCT& 201 | Principles of Accounting I | 5 |
| ACCT& 201 | Principles of Accounting I | 5 |
| ACCT& 203 | Principles of Accounting III | 5 |

## Agriculture (AGRI)

| Course ID | Title | Credits |
|---|---|---|
| AGRI 101 | Introduction to Agriculture | 3 |
| AGRI 108 | Introduction to Horticulture | 3 |

## Business Administration (BUS)

| Course ID | Title | Credits |
|---|---|---|
| BUS& 101 | Introduction to Business | 5 |
| BUS& 201 | Business Law | 5 |
| BUS 240 | Principles of Management | 5 |
| BUS 241 | Principles of Marketing | 5 |

## Chemical Dependency Studies (CDS):

| Course ID | Title | Credits |
|---|---|---|
| ASP 101 | Physiological Action of Alcohol and Other Drugs | 5 |

## Computer Science (CSC)

| Course ID | Title | Credits |
|---|---|---|
| CSC 110 | Introduction to Data Analytics | 5 |
| CSC& 141 | Programming Fundamentals | 5 |
| CSC 210 | Data Analytics Systems & Algorithms | 5 |
| CSC 215 | Advanced Data Analytics Systems & Algorithms | 5 |
| CSC 243 | Advanced Data Structures and Algorithms | 5 |

## Criminal Justice (CJ)

| Course ID | Title | Credits |
|---|---|---|
| CJ& 101 | Introduction to Criminal Justice | 5 |
| CJ& 105 | Introduction to Corrections | 5 |
| CJ& 106 | Introduction to Juvenile Justice | 5 |
| CJ& 110 | Criminal Law | 5 |

## Education (EDUC)

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 202 | Introduction to Education | 5 |
| EDUC& 204 | Exceptional Child (Introduction to Special Education) | 5 |
| EDUC 210 | Education Practicum | 3 |

## Engineering (ENGR)

| Course ID | Title | Credits |
|---|---|---|
| ENGR& 214 | Engineering Statics | 5 |

## Environmental Science (ENVS)

| Course ID | Title | Credits |
|---|---|---|
| ENVS 230 | Intro to Fisheries Science and Management | 5 |
| ENVS 231 | Introduction to Forest Resources | 5 |

## Latin (LATN)

| Course ID | Title | Credits |
|---|---|---|
| LATN 110 | Conversational Latin Workshop | 1-4 |
| LATN 220 | Conversational Latin Workshop | 1-4 |

## Math (MATH)

| Course ID | Title | Credits |
|---|---|---|
| MATH 195 | Mathematical Computing | 1 |

## Music (MUS)

| Course ID | Title | Credits |
|---|---|---|
| MUS 145 | Brass Class Instruction | 1 |
| MUS 146 | Woodwind (Single Reed) Class Instruction | 1 |

## Physical Education Activities (PEH)

* a maximum of three PEH/PEHR ***activity*** credits are allowed in degrees.

| Course ID | Title | Credits |
|---|---|---|
| PEH 102 | Total Conditioning: Body Blast Conditioning | 2 |
| PEH 104 | Body Conditioning: Weight Training | 2 |
| PEH 112 | Functional Movement Training for The Athlete | 1 |
| PEH 115 | Court Sports | 1 |
| PEH 116 | Court Sports | 2 |
| PEH 118 | Beginning Karate | 1 |
| PEH 119 | Tai Chi | 1 |
| PEH 120 | Beginning Fencing | 1 |
| PEH 121 | Pilates | 1 |
| PEH 122 | Yoga | 1 |
| PEH 123 | Yoga/Pilates | 2 |
| PEH 124 | Intermediate Yoga | 1 |
| PEH 125 | Golf | 1 |
| PEH 126 | Beginning Racquetball | 1 |
| PEH 127 | Yoga II | 2 |
| PEH 130 | Beginning Self-Defense | 1 |
| PEH 133 | Wilderness Backpacking | 2 |
| PEH 134 | Introduction to Rock Climbing | 2 |
| PEH 142 | Cross-Training | 1 |
| PEH 143 | Cross-Training | 2 |
| PEH 150 | Beginning Tennis | 1 |
| PEH 155 | Volleyball | 1 |
| PEH 161 | Fitness Lab | 1 |
| PEH 162 | Fitness Lab | 2 |
| PEH 226 | Advanced Racquetball | 2 |
| PEH 261 | Fitness Lab | 1 |
| PEH 262 | Fitness Lab | 2 |

## Physical Education Recreation Activities (PEHR)

* a maximum of three PEH/PEHR ***activity*** credits are allowed in degrees.

| Course ID | Title | Credits |
|---|---|---|
| PEHR 105 | Hiking In North Central Washington | 2 |
| PEHR 106 | Alpine Ski and Snowboard | 2 |
| PEHR 107 | Columbia River Rowing | 2 |
| PEHR 144 | Cross-Country Skiing | 1 |

## Physical Education Professional (PEH)

| Course ID | Title | Credits |
|---|---|---|
| PEH 180 | Personal Wellness | 3 |
| PEH 181 | Health and Wellness | 5 |
| PEH 182 | 1st Aid-Responding to Emergencies | 5 |
| PEH 189 | Athletic Training Practicum I | 1 |
| PEH 250 | Ace Personal Trainer Certification | 3 |
| PEH 283 | Sports Nutrition | 3 |
| PEH 284 | Foundations of Fitness | 3 |
| PEH 285 | Introduction to Physical Education | 3 |
| PEH 287 | Athletic Training | 5 |
| PEH 289 | Athletic Training Practicum II | 2 |

## Physical Education Recreation Professional (PEHR)

| Course ID | Title | Credits |
|---|---|---|
| PEHR 201 | Introduction to Recreation Management | 5 |
| PEHR 202 | Environmental Education | 5 |
| PEHR 204 | Intro to Outdoor Leadership and Facilitation | 3 |

### Restricted Electives - Max 15 Credits

**Restricted Electives** are courses numbered 100 or higher that do not normally transfer to institutions that grant bachelor's degrees. These courses are normally accepted only when included in the AAS degree. A maximum of 15 restricted credits can be included in the AAS degree under the Electives section. Any course numbered 100 or above that is not in the writing, quantitative/symbolic, humanities, natural sciences and social sciences distribution requirements can be considered a Restricted Elective course.

Note: Courses not listed here that were previously offered at WVC may still count toward a degree. Check with the registrar for a complete list of courses which count toward this degree.

# Degrees & Certificates

## Accounting

**Degree Type**
Associate of Applied Science Degree

This two-year Associate of Applied Science (AAS) degree program provides students with a foundation in accounting, business, and computer applications. Many of the courses required for this degree transfer to baccalaureate institutions. Students must work closely with their advisors to ensure proper course sequencing and choice.

## Required Courses

*Offered at Wenatchee and Omak campuses*

Prerequisites for the AAS degree option: ENGL 97, MATH 99 or qualifying placement scores.

**Core Program Requirements**

| Course ID | Title | Credits |
|---|---|---|
| BCT 105 | Computer Applications | 5 |
| BCT 130 | Spreadsheets | 5 |
| ACCT 102 | Practical Accounting I | 5 |
| ACCT 103 | Practical Accounting II | 5 |
| ACCT 105 | Payroll/Tax Accounting | 3 |
| ACCT 165 | Computerized Accounting | 5 |
| | BUS& 101 or BUS 146 | 5.0 |
| ACCT& 201 | Principles of Accounting I | 5 |
| ACCT& 202 | Principles of Accounting II | 5 |
| ACCT& 203 | Principles of Accounting III | 5 |
| | BCT 205 or CMST& 210 or CMST& 220 | 5.0 |
| | ECON& 201 or ECON& 202 | 5.0 |

**General Requirements**

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |
| | MATH& 146 or other college-level math | 5.0 |
| | Natural Science (choose one) | 5.0 |
| | Humanities (choose one) | 5.0 |
| | Social Science (choose one) | 5.0 |
| | Business Electives 10 Credits | 10.0 |

*ENGL& 101, MATH& 146: Placement score required.*

| | | |
|---|---|---|
| | Total Credits | 93 |

**Program outcomes**

Students who complete the AAS in Accounting should be able to:

- Use and apply accounting and business concepts in real-life situations.
- Use their training and education to seek employment or advance in current employment in business-related fields.
- Know current practices, principles, and rules used in business and/or accounting.
- Develop a foundation for continued studies towards a transfer degree in business.

**Note:**

This degree option is for students who intend to work in the bookkeeping/accounting profession after two years of study, or for those currently employed who seek additional training. Students with the immediate goal of completing a four-year degree in accounting should seek the business transfer (associate in arts and sciences) option.

To be eligible for the associate degree or certificate, students must earn at least a "C" grade (2.0) in all core program courses and a cumulative 2.0 grade point average or higher. Core program courses may have prerequisite requirements. English and mathematics courses require qualifying placement scores or acceptable preparatory coursework in those subjects. See course descriptions for details.

### BUS& 101 or BUS 146

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BUS& 101 | Introduction to Business | 5 |
| BUS 146 | Business Ethics | 5 |

### BCT 205 or CMST& 210 or CMST& 220

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BCT 205 | Business Communications | 5 |
| CMST& 210 | Interpersonal Communication | 5 |
| CMST& 220 | Public Speaking | 5 |

### ECON& 201 or ECON& 202

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ECON& 201 | Micro Economics | 5 |
| ECON& 202 | Macro Economics | 5 |

### MATH& 146 or other college-level math

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| MATH& 146 | Introduction to Statistics | 5 |

### Natural Science (choose one)

**Elective Credits** 5.0

### Humanities (choose one)

**Elective Credits** 5.0

### Social Science (choose one)

**Elective Credits** 5.0

### Business Electives 10 Credits

**Elective Credits** 10.0

See a business advisor for approved electives. Electives in business, accounting or business computer technology are recommended.

# Accounting

**Degree Type**
Certificate of Completion

## Required Courses

*Offered at Wenatchee and Omak campuses*

Prerequisites for certificate program: ENGL 97, MATH 99 or qualifying placement scores.

**Core Program Requirements**

| Course ID | Title | Credits |
|---|---|---|
| | BUS& 101 or BUS 146 | 5.0 |
| ACCT 102 | Practical Accounting I | 5 |
| ACCT 103 | Practical Accounting II | 5 |
| ACCT 105 | Payroll/Tax Accounting | 3 |
| BCT 105 | Computer Applications | 5 |
| BCT 130 | Spreadsheets | 5 |
| ACCT 165 | Computerized Accounting | 5 |
| | BCT 205 or CMST& 210 or CMST& 220 | 5.0 |
| | MATH 99 or higher | 5.0 |
| ENGL& 101 | Composition: General | 5 |

*MATH 99, ENGL& 101: Placement score required.*

| | | |
|---|---|---|
| | Total Credits | 48 |

**Note:**

To be eligible for the associate degree or certificate, students must earn at least a "C" grade (2.0) in all core program courses and a cumulative 2.0 grade point average or higher. Core program courses may have prerequisite requirements. English and mathematics courses require qualifying placement scores or acceptable preparatory coursework in those subjects. See course descriptions for details.

### BUS& 101 or BUS 146

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BUS& 101 | Introduction to Business | 5 |
| BUS 146 | Business Ethics | 5 |

### BCT 205 or CMST& 210 or CMST& 220

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BCT 205 | Business Communications | 5 |
| CMST& 210 | Interpersonal Communication | 5 |
| CMST& 220 | Public Speaking | 5 |

MATH 99 or higher

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| MATH 99 | Intermediate Algebra | 5 |

# Addiction Studies Program

**Degree Type**
Associate of Applied Science Degree

Upon completion of the WVC Addiction Studies Program (ASP), students will have completed the Department of Health education requirements (per WAC 246-811-030) to obtain their initial Substance Use Disorder Professional - Trainee license in the state of Washington. To meet the WAC requirements for full credentialing as a Substance Use Disorder Professional (SUDP) in the state of Washington, students must have a two-year degree in a Human Services-related field from an accredited college or university as well as a 2,500 hour supervised internship. Once these two requirements are met the individual must pass a certification exam. Completion of these three steps (education, internship, certification exam) is necessary for the final SUDP credential. This program provides the critical first step in this process.

The Addiction Studies program is designed for those already working with substance use disorders, those aspiring to become Substance Use Disorder Professionals, and those who desire this education to enhance other areas of human services such as educators, social workers, school counselors and mental health workers. The ASP program also provides opportunities for professional development studies for practitioners to review and expand their skills.

Addiction Studies courses are only for students enrolled in the ASP program, unless otherwise noted. To enroll in the program, complete the Addiction Studies program application (email Bev Warman for application at bwarman@wvc.edu) and return it to the ASP program director. Students must provide a completed application for admissions to Wenatchee Valley College and provide high school, GED certificate and/or other college transcripts.

Students must have MATH 99 completed as a pre-requisite for admission to the ASP program (students who are are ready to apply to the ASP program but do not have this completed yet should contact the ASP director).

Students must be eligible to enroll in the following courses (see course descriptions for pre-requisites):

- CMST& 210 Interpersonal Communications
- ENGL& 101 Composition: General

## Suggested Course Sequence: Associate of Applied Science Degree Program

*Offered at Wenatchee and Omak campuses*

| | | |
|---|---|---|
| | Total Credits | 93 |

**Course Sequencing**

## First Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| ASP 100 (Also known as Big Bend College ADS 100) | Survey of Addiction Issues | 5 |
| ASP 103 | Foundations for Substance Use Disorder Counselor | 1 |
| ENGL& 101 | Composition: General | 5 |
| BCT 116 | Professional Work Relations | 3 |
| MA 113 | Universal Precautions and Bloodborne Pathogens | 1 |

## First Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| ASP 101 | Physiological Action of Alcohol and Other Drugs | 5 |
| ASP 110 | Cultural Diversity Counseling for Addiction Studies | 4 |
| PSYC& 100 | General Psychology | 5 |
| PEH 180 | Personal Wellness | 3 |

## First Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| ASP 106 | Substance Use Disorder Case Management | 5 |
| ASP 140 | Relapse Prevention for Substance Use Disorders | 2 |
| ASP 150 | Adolescent SUD Assessment & Treatment | 3 |
| CMST& 210 | Interpersonal Communication | 5 |

## Second Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| ASP 204 | Group Counseling in Substance Use Disorder Treatment | 4 |
| ASP 205 | Substance Use Disorders and the Family | 4 |
| ASP 295 | Field Experience In Addiction Studies | 1-5 |
| | Elective** | 5.0 |

## Second Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| ASP 207 | Legal & Ethical Issues in Substance Use Disorder Counseling | 5 |
| ASP 210 | Community Prevention | 3 |
| ASP 295 | Field Experience In Addiction Studies | 1-5 |
| PSYC& 200 | Lifespan Psychology | 5 |

## Second Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| ASP 202 | Individual Counseling Theory & Techniques for Substance Abuse Disorder | 5 |
| ASP 215 | Advanced Individual Service Planning | 5 |
| ASP 295 | Field Experience In Addiction Studies | 1-5 |
| PSYC& 220 | Abnormal Psychology | 5 |

*ASP 100: This course is a general elective and may be taken by any WVC student.*

*Content delivery between campuses may include instructions via online.*

**Program outcomes**

Graduates of the WVC Chemical Dependency Studies program should be able to:

- Demonstrate professional communication in classroom and practicum sites.
- Understand the professional and ethical responsibilities of SUD counselors.
- Articulate the importance of understanding individual differences in SUD counseling (age, race, ethnicity, gender/sexual identity or disability).
- Understand the major psychological theories and current research/literature commonly used in SUD counseling.
- Develop meaningful Individual Service Plans based on a thorough understanding of ASAM dimensions and levels of care.
- Articulate the impact of addiction issues on the individual, family and community.
- Demonstrate the importance of self-care to promote personal health and prevent burnout.

**Employment Opportunities**

People with training in addiction studies find employment in many areas including traditional treatment settings (residential and outpatient facilities), schools, probation offices, corrections departments, mental health agencies, prevention programs and other social and human services organizations. Due largely to the integration of mental health, physical health and substance use disorder treatment, the state of Washington is currently experiencing a workforce shortage of credentialed Chemical Dependency Professionals (CDP). The first step in becoming a SUDP is education and the ASP program at WVC meets Washington state requirements.

### Elective**

**Elective Credits** 5.0

Any course from the following list of electives will satisfy this requirement:

*(Other electives as approved by instructor)*

| Course ID | Title | Credits |
|---|---|---|
| SOC& 201 | Social Problems | 5 |
| SOC 110 | Introduction to Social Work | 5 |
| SOC 225 | Sociology of Family | 5 |
| SOC 151 | Sociology of Race and Ethnicity | 5 |
| BCT 105 | Computer Applications | 5 |
| SDS 101 | Study Skills | 5 |

# Addiction Studies Program

**Degree Type**
Certificate of Completion

This is a 15-credit alternative training program for those who meet the eligibility requirements of WAC 246-811-077-076. It is a series of 3 courses that meet the education requirements of WAC 246-811-077. To be eligible a person must hold one of the following licenses in good standing:

- Advanced registered nurse practitioner
- Marriage and family therapists
- Mental health counselor
- Advanced social worker, or independent clinical social worker
- Psychologist
- Pharmacist
- Physician
- Physician assistant

To be considered for the Alternative Training Program (AT), an individual must submit proof they hold one of the above degrees in good standing and complete the entire application for this program. For information about the AT program, contact the Addiction Studies Program director.

To become a fully credentialed SUDP in Washington state the individual must still complete the required supervised internship hours and pass the certification exam.

The courses for this AT certificate will continue over 2 quarters. The course sequence is below:

- Quarter 1: ASP 270 Survey & Pharmacology of Addiction (4 credits); ASP 272 Addiction Placement &
  Treatment (4 credits)
- Quarter 2: ASP 275 Substance Use Disorder Counseling (4 credits); ASP 278 Law & Ethics (3 credits)

## Required Courses: Certificate of Completion

*Offered at Wenatchee campus*

| | | |
|---|---|---|
| | Total Credits | 15 |

**Course Sequencing**

## First Quarter

| Course ID | Title | Credits |
|---|---|---|
| ASP 270 | Survey & Pharmacology of Addiction | 4 |
| ASP 272 | Addiction Treatment and Placement | 4 |

## Second Quarter

| Course ID | Title | Credits |
|---|---|---|
| ASP 275 | Individual and Group Counseling for Substance Use Disorders | 4 |
| ASP 278 | Law & Ethics for Addictions | 3 |

# Administrative Assistant Certificate

**Degree Type**
Certificate of Completion

## Required Courses: Certificate of Completion - Administrative Assistant

*Offered at Wenatchee campus*

*Prerequisite for completion: MATH 93 Pre-Algebra or higher*

## Curriculum

| Course ID | Title | Credits |
|---|---|---|
| BCT 105 | Computer Applications | 5 |
| BCT 111 | Business English | 5 |
| BCT 115 | Resume and Interview | 2 |
| BCT 116 | Professional Work Relations | 3 |
| BCT 118 | Customer Relations Management | 3 |
| BCT 120 | Word Processing I | 5 |
| BCT 125 | Internet Use | 2 |
| BCT 130 | Spreadsheets | 5 |
| BCT 160 | Presentation Graphics | 3 |
| BCT 170 | Microsoft Outlook | 2 |
| BCT 205 | Business Communications | 5 |
| CMST 130 | Survey of Digital Communications | 5 |
| | Total Credits | 45 |

**Course Sequencing**
**Recommended schedule for completing certificate in one year:**

## Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| BCT 105 | Computer Applications | 5 |
| BCT 111 | Business English | 5 |
| BCT 116 | Professional Work Relations | 3 |
| BCT 125 | Internet Use | 2 |

## Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| BCT 115 | Resume and Interview | 2 |
| BCT 120 | Word Processing I | 5 |
| CMST 130 | Survey of Digital Communications | 5 |
| BCT 160 | Presentation Graphics | 3 |

## Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| BCT 118 | Customer Relations Management | 3 |
| BCT 130 | Spreadsheets | 5 |
| BCT 170 | Microsoft Outlook | 2 |
| BCT 205 | Business Communications | 5 |

# American Sign Language Certificate

**Degree Type**
Certificate of Accomplishment

This certificate offers skills for immediate employment such as a paraeducator while allowing a student to continue or return to complete a longer certificate or degree for job advancement.

This introductory ASL Certificate provides potential employers assurance that applicants who hold this certificate have valuable insight into the Deaf Community and employ basic language skills that will benefit a wide array of career fields including education, business, health care and human services/social work.

Please note that this certificate will not certify students as Interpreters in ASL as it is not an Interpreting certificate. However, completion of this one year certificate may enable students to apply to transfer to an interpreting program in preparation for interpreter certification.

| Course ID | Title | Credits |
|---|---|---|
| ASL& 121 | American Sign Language I | 5 |
| ASL& 122 | American Sign Language II | 5 |
| ASL& 123 | American Sign Language III | 5 |
| ASL 131 | Introduction to Deaf Culture | 4 |
| | Total Credits | 19 |

A student earning the one-year competency certificate should be able to:

1. **Demonstrate competency in American Sign Language both expressively ("signing") and receptively ("listening") at the mid to high intermediate performance range as defined by ACTFL proficiency guidelines 2012.**
    - "Expresses self and participates in conversations on familiar topics using sentences and series of sentences. Handle short social interactions in everyday situations by asking and answering a variety of questions, can communicate about self, others, and everyday life."
    - "Communicates information and expresses own thoughts about familiar topics using sentences and series of sentences."
2. **Understand basic differences between Deaf and Hearing cultures and be able to adapt communication to reflect understanding of the audience.**
    - "Recognizes and uses some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions. Recognizes that differences exist in cultural behavior and perspectives and can conform in familiar situations." "Reflects some knowledge of cultural differences related to written and spoken [signed]communication."
3. **Communicate at an interpersonal level in a variety of settings.**
    - Students will be able to interact with native ASL users in a variety of casual settings about familiar topics. Can use the language to communicate at a basic level. For example, the successful student would be able to ask and answer questions in work settings such as office, retail, food service, production industries, hospitality, and ask and answer questions about basic comfort in a medical setting.

# Associate in Pre Nursing - DTA/MRP

**Degree Type**
Associate in Pre Nursing Direct Transfer Agreement (DTA)

The Pre-Nursing Direct Transfer Agreement/Major Ready Pathway (DTA/MRP) associate degree is intended for students looking to directly transfer to WA State universities to complete their Bachelor of Science in Nursing (BSN) degree. Students enrolled in this 90-credit degree program receive instruction in English, psychology, mathematics, and science to prepare them to enter select Washington State four-year pre-licensure Nursing programs as a junior.

Upon completion of WVC's Associate in Pre-Nursing DTA/MRP degree, students are eligible to transfer to several Washington State institutions including the University of Washington, Washington State University, Pacific Lutheran University, Seattle Pacific University, Seattle University, and Walla Walla University. Completing this degree does not guarantee admission to any baccalaureate university. Students should meet with a navigator at the college to which they intend to transfer.

**TRANSFER NOTES:**

Please note that this degree alone will not make the WVC graduate eligible to sit for the Registered Nurse National Council Licensure Examination (NCLEX-RN). Graduates will need to complete their BSN degree at a university before they can become a Registered Nurse.

**Program Learning Outcome:**

Demonstrate knowledge, skills, and abilities in preparation to transfer to a four-year university in nursing.

| | | |
|---|---|---|
| | Total Credits | 90 |

**Course Sequencing**

## Writing - 10 credits

*A grade of C (2.0) or higher in ENGL& 203 is required for graduation.*

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |
| ENGL 203 | Composition: Research | 5 |

## Quantitative/Symbolic - 5 credits

| Course ID | Title | Credits |
|---|---|---|
| MATH& 146 | Introduction to Statistics | 5 |

## Humanities - 15 credits

At least one course must be selected from a discipline other than Communication Studies (CMST).

At least 5 credits must be selected from a discipline other than Communication Studies (CMST).

No more than 5 credits in World Language at the 100 level may be used to satisfy this requirement.

No more than 5 credits in performance/skill (P/S) courses may be used to satisfy this requirement.

| Course ID | Title | Credits |
|---|---|---|
| | CMST& 210 or CMST& 220 | 5.0 |
| | American Indian Indigenous Studies (AIIS) [H] | 5.0 |
| | Art (ART) | 5.0 |
| | Chicano Studies (CHST) | 5.0 |
| | Communication Studies (CMST) | 5.0 |
| | Drama (DRMA) | 5.0 |
| | English (ENGL) | 5.0 |
| | Humanities (HUMN) | 5.0 |
| | Journalism (JOUR) | 5.0 |
| | Music (MUS) | 1.0-5 |
| | Philosophy (PHIL) | 1.0-5 |
| | Theater Arts (THTR) | 5.0 |
| | World Languages | 5.0 |

## Social Sciences - 15 credits

Courses must be selected from at least two disciplines

No more than 10 credits allowed from any one discipline

**Select 5 credits from the following:**

| Course ID | Title | Credits |
|---|---|---|
| PSYC& 100 | General Psychology | 5 |
| PSYC& 200 | Lifespan Psychology | 5 |
| | American Indian Indigenous Studies (AIIS) | 5.0 |
| | Anthropology (ANTH) [SS] | 5.0 |
| | Chicano Studies (CHST) | 5.0 |
| | Early Childhood Education (ECED) | 5.0 |
| | Economics (ECON) | 5.0 |
| | Education (EDUC) | 5.0 |
| | Geography (GEOG) | 5.0 |
| | History (HIST) | 5.0 |
| | Political Science (POLS) | 5.0 |
| | Sociology (SOC) | 5.0 |

## Natural Sciences - 35 credits

**Required Biology Courses:**

BIO& 211 - Majors Cellular

BIO& 241 - Human Anatomy & Physiology 1

BIO& 242 - Human Anatomy & Physiology 2

BIOL& 260 - Microbiology

**Required Chemistry Courses:**

CHEM& 121 - Introduction to Chemistry

CHEM& 131 - Introduction to Organic/Biochemistry

**Required Nutrition Course:**

NUTR& 101 - Nutrition

**BIOL& 160 taken from a Washington State Community College will satisfy the BIOL&211 prerequisite requirement.*

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 211 | Majors Cellular | 5 |
| BIOL& 241 | Human Anatomy & Physiology I | 5 |
| BIOL& 242 | Human Anatomy & Physiology II | 5 |
| BIOL& 260 | Microbiology | 5 |
| CHEM& 121 | Introduction to Chemistry | 5 |
| CHEM& 131 | Introduction to Organic/ Biochemistry | 5 |
| NUTR& 101 | Nutrition | 5 |

## General Electives - 10 credits

*General Electives are normally accepted at 4-year institutions whether or not an AAS degree is earned. In addition to the list below, all courses listed in the areas of writing, quantitative/symbolic, humanities, natural sciences, and social sciences may be used as general electives. No more than 3 Physical Education (PEH/PEHR) activity credits are allowed in this degree.*

| Course ID | Title | Credits |
|---|---|---|
| | General Electives | |

**GRADUATION REQUIREMENT:** Students will need to take a minimum of 5 credits from diversity courses as part of the 90 credits required to graduate. The diversity classes are identified by the symbol. Visit www.wvc.edu/DR for more information.

### CMST& 210 or CMST& 220

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CMST& 210 | Interpersonal Communication | 5 |
| CMST& 220 | Public Speaking | 5 |

### American Indian Indigenous Studies (AIIS) [H]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| AIIS 170 | Film & Cinema Through The Indigenous Lens | 5 |
| AIIS 203 | Introduction to AIIS Literature | 5 |

### Art (ART)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ART& 100 | Art Appreciation | 5 |
| ART 106 | Design 2-Dimensional Composition and Color | 5 |
| ART 107 | 3D Design Introduction to Sculpture | 5 |
| ART 110 | Drawing I | 5 |
| ART 111 | Figure Drawing I | 5 |
| ART 113 | Drawing II | 5 |
| ART 116 | Drawing: Figure II | 5 |
| ART 117 | Drawing: Figure III | 5 |
| ART 130 | Graphic Design Technology I | 5 |
| ART 131 | Graphic Design Technology II | 5 |
| ART 132 | 3D Digital Design 1: Intro to 3D Computer Aided Modeling | 5 |
| ART 133 | 3D Digital Design 2: Advanced Modeling, Rendering and Presentation | 5 |
| ART 134 | Introduction to Graphic Design | 5 |
| ART 135 | Graphic Design I | 5 |
| ART 137 | Typography | 5 |
| ART 138 | Digital Photography | 5 |
| ART 139 | Publication Design & Layout | 5 |
| ART 141 | Illustration I | 5 |
| ART 142 | Illustration II | 5 |
| ART 143 | Natural Science Illustration | 5 |
| ART 150 | Ceramics I | 5 |
| ART 151 | Ceramics II | 5 |
| ART 152 | Ceramics III | 5 |
| ART 154 | Sculpture 1 | 5 |
| ART 155 | Sculpture 2 | 5 |
| ART 201 | Art History Survey: Ancient to Medieval | 5 |
| ART 202 | Art History Survey: Renaissance | 5 |
| ART 203 | Art History Survey: Modern | 5 |
| ART 204 | Contemporary Art History | 5 |
| ART 206 | Printmaking: Intaglio | 5 |
| ART 208 | Printmaking: Relief | 5 |
| ART 210 | Painting I | 5 |
| ART 211 | Painting II | 5 |
| ART 212 | Painting III | 5 |
| ART 213 | Watercolor I | 5 |
| ART 217 | Native American Beading I | 5 |
| ART 218 | Native American Beading II | 5 |
| ART 219 | Native American Beading III | 5 |
| ART 220 | Painting: Advanced | 5 |
| ART 222 | Drawing: Advanced | 5 |
| ART 224 | Printmaking 1 | 5 |
| ART 225 | Printmaking: Advanced | 5 |
| ART 233 | Packaging Design | 5 |
| ART 234 | Graphic Design II | 5 |
| ART 235 | Web Graphic Design | 5 |
| ART 236 | Graphic Design- Branding | 5 |
| ART 250 | Ceramics: Advanced | 5 |
| ART 256 | Sculpture: Advanced | 5 |

## Chicano Studies (CHST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CHST 120 | Identity, Art & Culture | 5 |

## Communication Studies (CMST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CMST& 101 | Introduction to Communication | 5 |
| CMST 130 | Survey of Digital Communications | 5 |
| CMST& 210 | Interpersonal Communication | 5 |
| CMST& 220 | Public Speaking | 5 |

## Drama (DRMA)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| DRMA& 101 | Introduction to Theatre | 5 |

## English (ENGL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 111 | Introduction to Literature | 5 |
| ENGL& 112 | Introduction to Fiction | 5 |
| ENGL& 113 | Introduction to Poetry | 5 |
| ENGL 135 | Creative Writing | 5 |
| ENGL 215 | Fantasy Fiction | 5 |
| ENGL& 226 | British Literature | 5 |
| ENGL 240 | World Literature | 5 |
| ENGL 247 | Multicultural Literature | 5 |
| ENGL 250 | American Literature | 5 |
| ENGL 255 | Women's Literature | 5 |
| ENGL 275 | Fiction Writing | 5 |
| ENGL 276 | Poetry Writing | 5 |
| ENGL 106 | Introduction to Ecoliterature | 5 |

## Humanities (HUMN)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| HUM& 101 | Introduction to Humanities | 5 |
| HUM& 116 | Humanities I | 5 |
| HUM& 117 | Humanities II | 5 |
| HUM& 118 | Humanities III | 5 |
| HUMN 141 | Film & Culture | 5 |
| HUMN 206 | Mythology & Symbolism | 5 |
| HUMN 207 | Comics & Graphic Novels | 5 |
| HUMN 242 | Global Cinema | 5 |

## Journalism (JOUR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| JOUR 101 | Introduction to Journalism | 5 |

## Music (MUS)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| MUS 100 | Introduction to Music | 5 |
| MUSC& 105 | Music Appreciation | 5 |
| MUS 110 | Individual Voice Instruction | 1 |
| MUS 111 | Individual Piano Instruction | 1 |
| MUS 112 | Individual Instrument Instruction | 1 |
| MUS 113 | Jazz History | 5 |
| MUS 114 | Survey of Rock: History of Rock Styles | 3 |
| MUS 116 | Introduction to The Music/Audio Technology I | 5 |
| MUS 120 | Voice Class Instruction | 1 |
| MUSC& 121 | Ear Training I | 2 |
| MUSC& 122 | Ear Training II | 2 |
| MUSC& 123 | Ear Training III | 2 |
| MUS 125 | Piano Class Instruction | 1 |
| MUSC& 131 | Music Theory 1 | 3 |
| MUSC& 132 | Music Theory 2 | 3 |
| MUSC& 133 | Music Theory 3 | 3 |
| MUS 161 | Community Chorus | 1 |
| MUS 170 | WVC Chamber Choir | 2 |
| MUS 172 | Vocal Jazz Ensemble | 2 |
| MUS 173 | Mariachi Music | 2 |
| MUS 174 | Jazz Ensemble | 1-2 |
| MUS 175 | Instrumental Ensemble | 1-2 |
| MUS 177 | Guitar Orchestra | 1-2 |
| MUS 210 | Individual Voice Instruction | 1 |
| MUS 211 | Individual Piano Instruction | 1 |
| MUS 212 | Individual Instrument Instruction | 1 |
| MUS 221 | Piano Class Instruction | 1 |
| MUSC& 241 | Music Theory 4 | 5 |
| MUSC& 242 | Music Theory 5 | 5 |
| MUSC& 243 | Music Theory 6 | 5 |
| MUS 261 | Community Chorus | 1 |
| MUS 270 | WVC Chamber Choir | 2 |
| MUS 272 | WVC Vocal Jazz Ensemble | 2 |
| MUS 273 | Mariachi Music | 2 |
| MUS 274 | Jazz Ensemble | 1-2 |
| MUS 275 | Instrumental Ensemble | 1-2 |
| MUS 277 | Guitar Orchestra | 1-2 |

## Philosophy (PHIL)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| PHIL& 101 | Introduction to Philosophy | 5 |
| PHIL 105 | Ethics and Policy In Healthcare I | 2 |
| PHIL& 115 | Critical Thinking | 5 |
| PHIL& 120 | Symbolic Logic | 5 |
| PHIL 201 | Ethics and Policy In Healthcare II | 1 |
| PHIL 202 | Ethics and Policy In Healthcare III | 1 |
| PHIL 203 | Ethics and Policy In Healthcare IV | 1 |
| PHIL 210 | Philosophy of Religion | 5 |
| PHIL 211 | Introduction to Ethics | 5 |
| PHIL 275 | Comparative World Religions | 5 |

## Theater Arts (THTR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| THTR 165 | Acting I | 5 |
| THTR 170 | Production & Administration | 5 |
| THTR 265 | Acting II | 5 |

## World Languages

**Elective Credits** 5.0

(Maximum five credits from World Languages in Humanities distribution):

# American Sign Language (ASL)

| Course ID | Title | Credits |
|---|---|---|
| ASL& 121 | American Sign Language I | 5 |
| ASL& 122 | American Sign Language II | 5 |
| ASL& 123 | American Sign Language III | 5 |
| ASL& 221 | American Sign Language IV | 5 |
| ASL& 222 | American Sign Language V | 5 |
| ASL& 223 | American Sign Language VI | 5 |

# German (GERM)

| Course ID | Title | Credits |
|---|---|---|
| GERM& 121 | German I | 5 |
| GERM& 122 | German II | 5 |
| GERM& 123 | German III | 5 |

## Japanese (JAPN)

| Course ID | Title | Credits |
|---|---|---|
| JAPN& 121 | Japanese I | 5 |
| JAPN& 122 | Japanese II | 5 |
| JAPN& 123 | Japanese III | 5 |
| JAPN& 221 | Japanese IV | 5 |
| JAPN& 222 | Japanese V | 5 |
| JAPN& 223 | Japanese VI | 5 |

## Latin (LATN)

| Course ID | Title | Credits |
|---|---|---|
| LATN 101 | Latin I | 5 |
| LATN 102 | Latin II | 5 |
| LATN 103 | Latin III | 5 |

## Native American Languages (NAL)

| Course ID | Title | Credits |
|---|---|---|
| NAL 101 | Native American Language I: nselxcin | 5 |
| NAL 102 | Native American Language II: nselxcin | 5 |
| NAL 103 | Native American Language III: nselxcin | 5 |
| NAL 111 | Native American Language I: nimipu | 5 |
| NAL 112 | Native American Language II: nimipu | 5 |
| NAL 113 | Native American Language III: nimipu | 5 |
| NAL 121 | Native American Language I: nxa?amxcin | 5 |
| NAL 122 | Native American Language II: nxa?amxcin | 5 |
| NAL 123 | Native American Language III: nxa?amxcin | 5 |
| NAL 204 | Native American Language IV: nselxcin | 5 |
| NAL 205 | Native American Language V: nselxcin | 5 |
| NAL 206 | Native American Language VI: nselxcin | 5 |
| NAL 214 | Native American Language IV: nimipu | 5 |
| NAL 215 | Native American Language V: nimipu | 5 |
| NAL 216 | Native American Language VI: nimipu | 5 |
| NAL 224 | Native American Language IV: nxa?amxcin | 5 |
| NAL 225 | Native American Language V: nxa?amxcin | 5 |
| NAL 226 | Native American Language VI: nxa?amxcin | 5 |

## Spanish

| Course ID | Title | Credits |
|---|---|---|
| SPAN& 121 | Spanish I | 5 |
| SPAN& 122 | Spanish II | 5 |
| SPAN& 123 | Spanish III | 5 |
| SPAN& 221 | Spanish IV | 5 |
| SPAN& 222 | Spanish V | 5 |
| SPAN& 223 | Spanish VI | 5 |
| SPAN 231 | Spanish for Heritage Learners I | 5 |
| SPAN 232 | Spanish for Heritage Learners II | 5 |
| SPAN 233 | Spanish for Heritage Learners III | 5 |

### American Indian Indigenous Studies (AIIS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| AIIS 102 | Introduction to American Indian Indigenous Studies | 5 |
| AIIS 103 | The Indigenous Pacific Northwest | 5 |
| AIIS 150 | History of American Indian Education | 5 |
| AIIS 202 | Contemporary Topics In AIIS | 5 |
| AIIS 209 | Native American History to 1815 | 5 |
| AIIS 210 | Native North America 1815 to Present | 5 |
| AIIS 240 | Indigenous Women of North America | 5 |

### Anthropology (ANTH) [SS]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 100 | Survey of Anthropology | 5 |
| ANTH& 204 | Archaeology | 5 |
| ANTH& 206 | Cultural Anthropology | 5 |
| ANTH& 207 | Introduction to Linguistics | 5 |
| ANTH& 217 | Plateau Native Peoples | 5 |
| ANTH 220 | Cross-Cultural Studies | 5 |

### Chicano Studies (CHST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CHST 112 | Chicano/a History: An American Journey | 5 |
| CHST 115 | La Chicana: Gender History & Intellectualism | 5 |

## Early Childhood Education (ECED)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ECED& 105 | Introduction to Early Childhood Education | 5 |

## Economics (ECON)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ECON 101 | Introduction to Economics | 5 |
| ECON& 201 | Micro Economics | 5 |
| ECON& 202 | Macro Economics | 5 |

## Education (EDUC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 115 | Child Development | 5 |

## Geography (GEOG)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| GEOG& 100 | Introduction to Geography | 5 |
| GEOG& 102 | World Regional Geography | 5 |
| GEOG 150 | Introduction to Sustainability | 5 |
| GEOG& 207 | Geography of The Economy | 5 |
| GEOG 215 | Introduction to GIS | 5 |

## History (HIST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| HIST& 116 | Western Civilization I | 5 |
| HIST& 117 | Western Civilization II | 5 |
| HIST& 118 | Western Civilization III | 5 |
| HIST& 146 | US History I | 5 |
| HIST& 147 | US History II | 5 |
| HIST 202 | The American Constitution: From Constitutional Convention to the Present | 5 |
| HIST& 214 | Pacific Northwest History | 5 |
| HIST& 215 | Women In US History | 5 |
| HIST& 219 | Native American History | 5 |
| HIST 230 | History/First Peoples of The Plateau Region | 5 |
| HIST 238 | US History 1945 to Present | 5 |
| HIST 240 | Hip Hop History: A Movement that Rewrote History without a Pen | 5 |
| HIST 260 | History of Mexico | 5 |
| HIST 261 | Latin America: History Through Revolution | 5 |
| HIST 271 | Eastern World History-Southeast Asia | 5 |
| HIST 274 | Eastern World History-East Asia | 5 |
| HIST 275 | Eastern World History-South Asia | 5 |

## Political Science (POLS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| POLS& 101 | Introduction to Political Science | 5 |
| POLS& 202 | American Government | 5 |
| POLS& 203 | International Relations | 5 |
| POLS 205 | Contemporary World Problems | 5 |
| POLS 206 | State and Local Politics | 5 |

## Sociology (SOC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| SOC& 101 | Introduction to Sociology | 5 |
| SOC 110 | Introduction to Social Work | 5 |
| SOC 135 | Sociology of Women | 5 |
| SOC 151 | Sociology of Race and Ethnicity | 5 |
| SOC& 201 | Social Problems | 5 |
| SOC 203 | Sociology of Sport | 5 |
| SOC 225 | Sociology of Family | 5 |

## General Electives

***General Electives** are normally accepted at institutions that grant bachelor's degrees whether or not an AAS degree is earned. In addition to the list below, all courses listed in the sections of writing, quantitative/symbolic, humanities, natural sciences and social sciences distribution requirements may be used as general electives.*

* a maximum of three PEH/PEHR activity credits are allowed in degrees.

## Accounting (ACCT)

| Course ID | Title | Credits |
|---|---|---|
| ACCT& 201 | Principles of Accounting I | 5 |
| ACCT& 201 | Principles of Accounting I | 5 |
| ACCT& 203 | Principles of Accounting III | 5 |

## Agriculture (AGRI)

| Course ID | Title | Credits |
|---|---|---|
| AGRI 101 | Introduction to Agriculture | 3 |
| AGRI 108 | Introduction to Horticulture | 3 |

## Business Administration (BUS)

| Course ID | Title | Credits |
|---|---|---|
| BUS& 101 | Introduction to Business | 5 |
| BUS& 201 | Business Law | 5 |
| BUS 240 | Principles of Management | 5 |
| BUS 241 | Principles of Marketing | 5 |

## Chemical Dependency Studies (CDS):

| Course ID | Title | Credits |
|---|---|---|
| ASP 101 | Physiological Action of Alcohol and Other Drugs | 5 |

## Computer Science (CSC)

| Course ID | Title | Credits |
|---|---|---|
| CSC 110 | Introduction to Data Analytics | 5 |
| CSC& 141 | Programming Fundamentals | 5 |
| CSC 210 | Data Analytics Systems & Algorithms | 5 |
| CSC 215 | Advanced Data Analytics Systems & Algorithms | 5 |
| CSC 243 | Advanced Data Structures and Algorithms | 5 |

## Criminal Justice (CJ)

| Course ID | Title | Credits |
|---|---|---|
| CJ& 101 | Introduction to Criminal Justice | 5 |
| CJ& 105 | Introduction to Corrections | 5 |
| CJ& 106 | Introduction to Juvenile Justice | 5 |
| CJ& 110 | Criminal Law | 5 |

## Education (EDUC)

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 202 | Introduction to Education | 5 |
| EDUC& 204 | Exceptional Child (Introduction to Special Education) | 5 |
| EDUC 210 | Education Practicum | 3 |

## Engineering (ENGR)

| Course ID | Title | Credits |
|---|---|---|
| ENGR& 214 | Engineering Statics | 5 |

## Environmental Science (ENVS)

| Course ID | Title | Credits |
|---|---|---|
| ENVS 230 | Intro to Fisheries Science and Management | 5 |
| ENVS 231 | Introduction to Forest Resources | 5 |

## Latin (LATN)

| Course ID | Title | Credits |
|---|---|---|
| LATN 110 | Conversational Latin Workshop | 1-4 |
| LATN 220 | Conversational Latin Workshop | 1-4 |

## Math (MATH)

| Course ID | Title | Credits |
|---|---|---|
| MATH 195 | Mathematical Computing | 1 |

## Music (MUS)

| Course ID | Title | Credits |
|---|---|---|
| MUS 145 | Brass Class Instruction | 1 |
| MUS 146 | Woodwind (Single Reed) Class Instruction | 1 |

## Physical Education Activities (PEH)

* a maximum of three PEH/PEHR ***activity*** credits are allowed in degrees.

| Course ID | Title | Credits |
|---|---|---|
| PEH 102 | Total Conditioning: Body Blast Conditioning | 2 |
| PEH 104 | Body Conditioning: Weight Training | 2 |
| PEH 112 | Functional Movement Training for The Athlete | 1 |
| PEH 115 | Court Sports | 1 |
| PEH 116 | Court Sports | 2 |
| PEH 118 | Beginning Karate | 1 |
| PEH 119 | Tai Chi | 1 |
| PEH 120 | Beginning Fencing | 1 |
| PEH 121 | Pilates | 1 |
| PEH 122 | Yoga | 1 |
| PEH 123 | Yoga/Pilates | 2 |
| PEH 124 | Intermediate Yoga | 1 |
| PEH 125 | Golf | 1 |
| PEH 126 | Beginning Racquetball | 1 |
| PEH 127 | Yoga II | 2 |
| PEH 130 | Beginning Self-Defense | 1 |
| PEH 133 | Wilderness Backpacking | 2 |
| PEH 134 | Introduction to Rock Climbing | 2 |
| PEH 142 | Cross-Training | 1 |
| PEH 143 | Cross-Training | 2 |
| PEH 150 | Beginning Tennis | 1 |
| PEH 155 | Volleyball | 1 |
| PEH 161 | Fitness Lab | 1 |
| PEH 162 | Fitness Lab | 2 |
| PEH 226 | Advanced Racquetball | 2 |
| PEH 261 | Fitness Lab | 1 |
| PEH 262 | Fitness Lab | 2 |

## Physical Education Recreation Activities (PEHR)

* a maximum of three PEH/PEHR ***activity*** credits are allowed in degrees.

| Course ID | Title | Credits |
|---|---|---|
| PEHR 105 | Hiking In North Central Washington | 2 |
| PEHR 106 | Alpine Ski and Snowboard | 2 |
| PEHR 107 | Columbia River Rowing | 2 |
| PEHR 144 | Cross-Country Skiing | 1 |

## Physical Education Professional (PEH)

| Course ID | Title | Credits |
|---|---|---|
| PEH 180 | Personal Wellness | 3 |
| PEH 181 | Health and Wellness | 5 |
| PEH 182 | 1st Aid-Responding to Emergencies | 5 |
| PEH 189 | Athletic Training Practicum I | 1 |
| PEH 250 | Ace Personal Trainer Certification | 3 |
| PEH 283 | Sports Nutrition | 3 |
| PEH 284 | Foundations of Fitness | 3 |
| PEH 285 | Introduction to Physical Education | 3 |
| PEH 287 | Athletic Training | 5 |
| PEH 289 | Athletic Training Practicum II | 2 |

## Physical Education Recreation Professional (PEHR)

| Course ID | Title | Credits |
|---|---|---|
| PEHR 201 | Introduction to Recreation Management | 5 |
| PEHR 202 | Environmental Education | 5 |
| PEHR 204 | Intro to Outdoor Leadership and Facilitation | 3 |

# Associate in Science - Transfer (AS-T)

**Degree Type**
Associate in Science-Transfer Degree

**Students must be careful to follow the catalog of the receiving institution in order for the program to be most successful.** Working closely with a faculty advisor who is familiar with the major is highly recommended.

The intent is that students will take as many prerequisites to the major as possible and attain the GPA needed for entrance into the university and the major. It is highly recommended that sequences in math and science be completed entirely at one institution instead of breaking up sequences between institutions.

This degree does **not** satisfy the general university requirements. Instead, it allows students to enroll in courses required for acceptance into specific majors in science, engineering and computer science and still earn the priority admissions consideration granted by the associate in arts and sciences direct transfer agreement. This degree does **not** guarantee admittance to any specific major or school, nor does it necessarily

meet all of the prerequisites of a particular major. Mathematics majors are referred to the associate in arts and sciences direct transfer degree.

To be eligible for the AS-T degree, students must have a minimum of 40 credits directly related to the major area. A maximum of five credits in the restricted elective category is allowed.

Two Premajor Program options are built below.

Option 1: Premajor in Biology, Chemistry, Geology, Environmental/Resource, and Earth Science.

Option 2: Premajor in Engineering, Computer Science, Physics, Atmospheric Science.

Students must have a cumulative 2.0 GPA or higher to receive this degree.

The following courses must be part of the 90 transferable credits:

## Writing: 10 credits

A grade of 2.0 or higher ("C" grade) in ENGL 201, 202, 203 or 235 is required for graduation.

| Course ID | Title | Credits |
|---|---|---|
| | English (ENGL&) 101 required | 5.0 |
| | Select five credits from English (AS-T) | 5.0 |

## Quantitative: 15 credits

Precalculus cannot be used to satisfy this requirement.

Some baccalaureate institutions require physics with calculus in addition to meet this requirement.

It is highly recommended that sequences in math and science be completed entirely at one institution instead of breaking up sequences between institutions.

Choose 15 credits from list of courses.

| Course ID | Title | Credits |
|---|---|---|
| MATH& 151 | Calculus I | 5 |
| MATH& 152 | Calculus II | 5 |
| | MATH& 153 or MATH 146 (AS-T) | 5.0 |

## Humanities & Social Science: 15 credits

Courses must be from three different subject areas. Subject areas appear below.

Maximum five credits from World Languages in Humanities distribution.

Only five credits of Performance courses allowed in Humanities.

*Performances courses are:*

- *ART 106, 107, 110, 111, 113, 116, 117, 130, 131, 132, 133, 134, 135, 137, 138, 139, 141, 142, 143, 150, 151, 152, 154, 155, 206, 208, 210, 211, 212, 213, 217, 218, 219, 220, 222, 224, 225, 233, 234, 235, 236, 250, 256*
- *MUSIC 110, 111, 112, 120, 125, 161, 170, 172, 173, 174, 175, 177, 210, 211, 212, 221, 261, 270, 272, 273, 274, 275, 277*
- *THTR 165, 265*

**Humanities: 5 to 10 credits**

| Course ID | Title | Credits |
|---|---|---|
| | American Indian Indigenous Studies (AIIS) [H] | 5.0 |
| | Art (ART) | 5.0 |
| | Chicano Studies (CHST) | 5.0 |
| | Communication Studies (CMST) | 5.0 |
| | Drama (DRMA) | 5.0 |
| | English (ENGL) | 5.0 |
| | Humanities (HUMN) | 5.0 |
| | Journalism (JOUR) | 5.0 |
| | Music (MUS) | 1.0-5 |
| | Philosophy (PHIL) | 1.0-5 |
| | Theater Arts (THTR) | 5.0 |
| | World Languages | 5.0 |

**Social Science: 5 to 10 credits**

| Course ID | Title | Credits |
|---|---|---|
| | American Indian Indigenous Studies (AIIS) | 5.0 |
| | Anthropology (ANTH) [SS] | 5.0 |
| | Chicano Studies (CHST) | 5.0 |
| | Early Childhood Education (ECED) | 5.0 |
| | Economics (ECON) | 5.0 |
| | Education (EDUC) | 5.0 |
| | Geography (GEOG) | 5.0 |
| | History (HIST) | 5.0 |
| | Political Science (POLS) | 5.0 |
| | Psychology (PSYC) | 1.0-5 |
| | Sociology (SOC) | 5.0 |

## Premajor Program: 50 credits

**Option 1 - Premajor in Biology, Chemistry, Geology, Environmental/Resource, Earth Sciences**

Some baccalaureate institutions require physics with calculus in addition to meet this requirement.

It is highly recommended that sequences in math and science be completed entirely at one institution instead of breaking up sequences between institutions.

Advising Note: Biology Premajors - Organic Chemistry and Physics courses are suggested.

| Course ID | Title | Credits |
|---|---|---|
| | Chemistry sequence | 15.0 |
| | Biology or Physics sequence | 15.0 |
| | Math/Science Requirement | 10.0-15 |
| | Electives (for AS-T Option 1) | 5.0-10 |

**Option 2 - Premajor in Engineering, Computer Science, Physics, Atmospheric Science**

Some baccalaureate institutions require physics with calculus in addition to meet this requirement.

It is highly recommended that sequences in math and science be completed entirely at one institution instead of breaking up sequences between institutions.

| Course ID | Title | Credits |
|---|---|---|
| | Physics Sequence | 15.0 |
| | Chemistry/Science Requirement | 5.0 |
| | Electives (for AS-T Option 2) | 30.0 |

*Note: Courses not listed here that were previously offered at WVC may still count toward a degree. Check with the registrar for a complete list of courses which count toward this degree.*

| | | |
|---|---|---|
| | Total Credits | 90 |

### English (ENGL&) 101 required

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |

### Select five credits from English (AS-T)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ENGL 201 | Composition: Advanced Essay | 5 |
| ENGL 202 | Composition: Critical Analysis | 5 |
| ENGL 203 | Composition: Research | 5 |
| ENGL& 235 | Technical Writing | 5 |

### MATH& 153 or MATH 146 (AS-T)

**Elective Credits** 5.0

Choose one MATH course to fulfill the AS-T Mathematics requirement.

| Course ID | Title | Credits |
|---|---|---|
| MATH& 153 | Calculus III | 5 |
| MATH& 146 | Introduction to Statistics | 5 |

### American Indian Indigenous Studies (AIIS) [H]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| AIIS 170 | Film & Cinema Through The Indigenous Lens | 5 |
| AIIS 203 | Introduction to AIIS Literature | 5 |

### Art (ART)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ART& 100 | Art Appreciation | 5 |
| ART 106 | Design 2-Dimensional Composition and Color | 5 |
| ART 107 | 3D Design Introduction to Sculpture | 5 |
| ART 110 | Drawing I | 5 |
| ART 111 | Figure Drawing I | 5 |
| ART 113 | Drawing II | 5 |
| ART 116 | Drawing: Figure II | 5 |
| ART 117 | Drawing: Figure III | 5 |
| ART 130 | Graphic Design Technology I | 5 |
| ART 131 | Graphic Design Technology II | 5 |
| ART 132 | 3D Digital Design 1: Intro to 3D Computer Aided Modeling | 5 |
| ART 133 | 3D Digital Design 2: Advanced Modeling, Rendering and Presentation | 5 |
| ART 134 | Introduction to Graphic Design | 5 |
| ART 135 | Graphic Design I | 5 |
| ART 137 | Typography | 5 |
| ART 138 | Digital Photography | 5 |
| ART 139 | Publication Design & Layout | 5 |
| ART 141 | Illustration I | 5 |
| ART 142 | Illustration II | 5 |
| ART 143 | Natural Science Illustration | 5 |
| ART 150 | Ceramics I | 5 |
| ART 151 | Ceramics II | 5 |
| ART 152 | Ceramics III | 5 |
| ART 154 | Sculpture 1 | 5 |
| ART 155 | Sculpture 2 | 5 |
| ART 201 | Art History Survey: Ancient to Medieval | 5 |
| ART 202 | Art History Survey: Renaissance | 5 |
| ART 203 | Art History Survey: Modern | 5 |
| ART 204 | Contemporary Art History | 5 |
| ART 206 | Printmaking: Intaglio | 5 |
| ART 208 | Printmaking: Relief | 5 |
| ART 210 | Painting I | 5 |
| ART 211 | Painting II | 5 |
| ART 212 | Painting III | 5 |
| ART 213 | Watercolor I | 5 |
| ART 217 | Native American Beading I | 5 |
| ART 218 | Native American Beading II | 5 |
| ART 219 | Native American Beading III | 5 |
| ART 220 | Painting: Advanced | 5 |
| ART 222 | Drawing: Advanced | 5 |
| ART 224 | Printmaking 1 | 5 |
| ART 225 | Printmaking: Advanced | 5 |
| ART 233 | Packaging Design | 5 |
| ART 234 | Graphic Design II | 5 |
| ART 235 | Web Graphic Design | 5 |
| ART 236 | Graphic Design- Branding | 5 |
| ART 250 | Ceramics: Advanced | 5 |
| ART 256 | Sculpture: Advanced | 5 |

## Chicano Studies (CHST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CHST 120 | Identity, Art & Culture | 5 |

## Communication Studies (CMST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CMST& 101 | Introduction to Communication | 5 |
| CMST 130 | Survey of Digital Communications | 5 |
| CMST& 210 | Interpersonal Communication | 5 |
| CMST& 220 | Public Speaking | 5 |

## Drama (DRMA)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| DRMA& 101 | Introduction to Theatre | 5 |

## English (ENGL)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 111 | Introduction to Literature | 5 |
| ENGL& 112 | Introduction to Fiction | 5 |
| ENGL& 113 | Introduction to Poetry | 5 |
| ENGL 135 | Creative Writing | 5 |
| ENGL 215 | Fantasy Fiction | 5 |
| ENGL& 226 | British Literature | 5 |
| ENGL 240 | World Literature | 5 |
| ENGL 247 | Multicultural Literature | 5 |
| ENGL 250 | American Literature | 5 |
| ENGL 255 | Women's Literature | 5 |
| ENGL 275 | Fiction Writing | 5 |
| ENGL 276 | Poetry Writing | 5 |
| ENGL 106 | Introduction to Ecoliterature | 5 |

## Humanities (HUMN)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| HUM& 101 | Introduction to Humanities | 5 |
| HUM& 116 | Humanities I | 5 |
| HUM& 117 | Humanities II | 5 |
| HUM& 118 | Humanities III | 5 |
| HUMN 141 | Film & Culture | 5 |
| HUMN 206 | Mythology & Symbolism | 5 |
| HUMN 207 | Comics & Graphic Novels | 5 |
| HUMN 242 | Global Cinema | 5 |

## Journalism (JOUR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| JOUR 101 | Introduction to Journalism | 5 |

## Music (MUS)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| MUS 100 | Introduction to Music | 5 |
| MUSC& 105 | Music Appreciation | 5 |
| MUS 110 | Individual Voice Instruction | 1 |
| MUS 111 | Individual Piano Instruction | 1 |
| MUS 112 | Individual Instrument Instruction | 1 |
| MUS 113 | Jazz History | 5 |
| MUS 114 | Survey of Rock: History of Rock Styles | 3 |
| MUS 116 | Introduction to The Music/Audio Technology I | 5 |
| MUS 120 | Voice Class Instruction | 1 |
| MUSC& 121 | Ear Training I | 2 |
| MUSC& 122 | Ear Training II | 2 |
| MUSC& 123 | Ear Training III | 2 |
| MUS 125 | Piano Class Instruction | 1 |
| MUSC& 131 | Music Theory 1 | 3 |
| MUSC& 132 | Music Theory 2 | 3 |
| MUSC& 133 | Music Theory 3 | 3 |
| MUS 161 | Community Chorus | 1 |
| MUS 170 | WVC Chamber Choir | 2 |
| MUS 172 | Vocal Jazz Ensemble | 2 |
| MUS 173 | Mariachi Music | 2 |
| MUS 174 | Jazz Ensemble | 1-2 |
| MUS 175 | Instrumental Ensemble | 1-2 |
| MUS 177 | Guitar Orchestra | 1-2 |
| MUS 210 | Individual Voice Instruction | 1 |
| MUS 211 | Individual Piano Instruction | 1 |
| MUS 212 | Individual Instrument Instruction | 1 |
| MUS 221 | Piano Class Instruction | 1 |
| MUSC& 241 | Music Theory 4 | 5 |
| MUSC& 242 | Music Theory 5 | 5 |
| MUSC& 243 | Music Theory 6 | 5 |
| MUS 261 | Community Chorus | 1 |
| MUS 270 | WVC Chamber Choir | 2 |
| MUS 272 | WVC Vocal Jazz Ensemble | 2 |
| MUS 273 | Mariachi Music | 2 |
| MUS 274 | Jazz Ensemble | 1-2 |
| MUS 275 | Instrumental Ensemble | 1-2 |
| MUS 277 | Guitar Orchestra | 1-2 |

## Philosophy (PHIL)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| PHIL& 101 | Introduction to Philosophy | 5 |
| PHIL 105 | Ethics and Policy In Healthcare I | 2 |
| PHIL& 115 | Critical Thinking | 5 |
| PHIL& 120 | Symbolic Logic | 5 |
| PHIL 201 | Ethics and Policy In Healthcare II | 1 |
| PHIL 202 | Ethics and Policy In Healthcare III | 1 |
| PHIL 203 | Ethics and Policy In Healthcare IV | 1 |
| PHIL 210 | Philosophy of Religion | 5 |
| PHIL 211 | Introduction to Ethics | 5 |
| PHIL 275 | Comparative World Religions | 5 |

### Theater Arts (THTR)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| THTR 165 | Acting I | 5 |
| THTR 170 | Production & Administration | 5 |
| THTR 265 | Acting II | 5 |

### World Languages

**Elective Credits** 5.0

(Maximum five credits from World Languages in Humanities distribution):

## American Sign Language (ASL)

| Course ID | Title | Credits |
|---|---|---|
| ASL& 121 | American Sign Language I | 5 |
| ASL& 122 | American Sign Language II | 5 |
| ASL& 123 | American Sign Language III | 5 |
| ASL& 221 | American Sign Language IV | 5 |
| ASL& 222 | American Sign Language V | 5 |
| ASL& 223 | American Sign Language VI | 5 |

## German (GERM)

| Course ID | Title | Credits |
|---|---|---|
| GERM& 121 | German I | 5 |
| GERM& 122 | German II | 5 |
| GERM& 123 | German III | 5 |

## Japanese (JAPN)

| Course ID | Title | Credits |
|---|---|---|
| JAPN& 121 | Japanese I | 5 |
| JAPN& 122 | Japanese II | 5 |
| JAPN& 123 | Japanese III | 5 |
| JAPN& 221 | Japanese IV | 5 |
| JAPN& 222 | Japanese V | 5 |
| JAPN& 223 | Japanese VI | 5 |

## Latin (LATN)

| Course ID | Title | Credits |
|---|---|---|
| LATN 101 | Latin I | 5 |
| LATN 102 | Latin II | 5 |
| LATN 103 | Latin III | 5 |

## Native American Languages (NAL)

| Course ID | Title | Credits |
|---|---|---|
| NAL 101 | Native American Language I: nselxcin | 5 |
| NAL 102 | Native American Language II: nselxcin | 5 |
| NAL 103 | Native American Language III: nselxcin | 5 |
| NAL 111 | Native American Language I: nimipu | 5 |
| NAL 112 | Native American Language II: nimipu | 5 |
| NAL 113 | Native American Language III: nimipu | 5 |
| NAL 121 | Native American Language I: nxa?amxcin | 5 |
| NAL 122 | Native American Language II: nxa?amxcin | 5 |
| NAL 123 | Native American Language III: nxa?amxcin | 5 |
| NAL 204 | Native American Language IV: nselxcin | 5 |
| NAL 205 | Native American Language V: nselxcin | 5 |
| NAL 206 | Native American Language VI: nselxcin | 5 |
| NAL 214 | Native American Language IV: nimipu | 5 |
| NAL 215 | Native American Language V: nimipu | 5 |
| NAL 216 | Native American Language VI: nimipu | 5 |
| NAL 224 | Native American Language IV: nxa?amxcin | 5 |
| NAL 225 | Native American Language V: nxa?amxcin | 5 |
| NAL 226 | Native American Language VI: nxa?amxcin | 5 |

## Spanish

| Course ID | Title | Credits |
|---|---|---|
| SPAN& 121 | Spanish I | 5 |
| SPAN& 122 | Spanish II | 5 |
| SPAN& 123 | Spanish III | 5 |
| SPAN& 221 | Spanish IV | 5 |
| SPAN& 222 | Spanish V | 5 |
| SPAN& 223 | Spanish VI | 5 |
| SPAN 231 | Spanish for Heritage Learners I | 5 |
| SPAN 232 | Spanish for Heritage Learners II | 5 |
| SPAN 233 | Spanish for Heritage Learners III | 5 |

### American Indian Indigenous Studies (AIIS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| AIIS 102 | Introduction to American Indian Indigenous Studies | 5 |
| AIIS 103 | The Indigenous Pacific Northwest | 5 |
| AIIS 150 | History of American Indian Education | 5 |
| AIIS 202 | Contemporary Topics In AIIS | 5 |
| AIIS 209 | Native American History to 1815 | 5 |
| AIIS 210 | Native North America 1815 to Present | 5 |
| AIIS 240 | Indigenous Women of North America | 5 |

### Anthropology (ANTH) [SS]

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ANTH& 100 | Survey of Anthropology | 5 |
| ANTH& 204 | Archaeology | 5 |
| ANTH& 206 | Cultural Anthropology | 5 |
| ANTH& 207 | Introduction to Linguistics | 5 |
| ANTH& 217 | Plateau Native Peoples | 5 |
| ANTH 220 | Cross-Cultural Studies | 5 |

### Chicano Studies (CHST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CHST 112 | Chicano/a History: An American Journey | 5 |
| CHST 115 | La Chicana: Gender History & Intellectualism | 5 |

### Early Childhood Education (ECED)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ECED& 105 | Introduction to Early Childhood Education | 5 |

### Economics (ECON)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ECON 101 | Introduction to Economics | 5 |
| ECON& 201 | Micro Economics | 5 |
| ECON& 202 | Macro Economics | 5 |

### Education (EDUC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 115 | Child Development | 5 |

### Geography (GEOG)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| GEOG& 100 | Introduction to Geography | 5 |
| GEOG& 102 | World Regional Geography | 5 |
| GEOG 150 | Introduction to Sustainability | 5 |
| GEOG& 207 | Geography of The Economy | 5 |
| GEOG 215 | Introduction to GIS | 5 |

### History (HIST)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| HIST& 116 | Western Civilization I | 5 |
| HIST& 117 | Western Civilization II | 5 |
| HIST& 118 | Western Civilization III | 5 |
| HIST& 146 | US History I | 5 |
| HIST& 147 | US History II | 5 |
| HIST 202 | The American Constitution: From Constitutional Convention to the Present | 5 |
| HIST& 214 | Pacific Northwest History | 5 |
| HIST& 215 | Women In US History | 5 |
| HIST& 219 | Native American History | 5 |
| HIST 230 | History/First Peoples of The Plateau Region | 5 |
| HIST 238 | US History 1945 to Present | 5 |
| HIST 240 | Hip Hop History: A Movement that Rewrote History without a Pen | 5 |
| HIST 260 | History of Mexico | 5 |
| HIST 261 | Latin America: History Through Revolution | 5 |
| HIST 271 | Eastern World History-Southeast Asia | 5 |
| HIST 274 | Eastern World History-East Asia | 5 |
| HIST 275 | Eastern World History-South Asia | 5 |

## Political Science (POLS)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| POLS& 101 | Introduction to Political Science | 5 |
| POLS& 202 | American Government | 5 |
| POLS& 203 | International Relations | 5 |
| POLS 205 | Contemporary World Problems | 5 |
| POLS 206 | State and Local Politics | 5 |

## Psychology (PSYC)

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| PSYC& 100 | General Psychology | 5 |
| PSYC 102 | Psychology of Adjustment | 5 |
| PSYC 105 | Psychosocial Issues In Healthcare I | 1 |
| PSYC& 200 | Lifespan Psychology | 5 |
| PSYC 202 | Psychosocial Issues In Healthcare II | 1 |
| PSYC 203 | Psychosocial Issues In Healthcare III | 3 |
| PSYC 204 | Psychosocial Issues In Healthcare IV | 1 |
| PSYC 205 | Human Sexuality | 5 |
| PSYC 215 | Psychology of Sport | 5 |
| PSYC& 220 | Abnormal Psychology | 5 |
| PSYC 245 | Social Psychology | 5 |

## Sociology (SOC)

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| SOC& 101 | Introduction to Sociology | 5 |
| SOC 110 | Introduction to Social Work | 5 |
| SOC 135 | Sociology of Women | 5 |
| SOC 151 | Sociology of Race and Ethnicity | 5 |
| SOC& 201 | Social Problems | 5 |
| SOC 203 | Sociology of Sport | 5 |
| SOC 225 | Sociology of Family | 5 |

## Chemistry sequence

**Elective Credits** 15.0

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 161 | General Chemistry I | 5 |
| CHEM& 162 | General Chemistry II | 5 |
| CHEM& 163 | General Chemistry III | 6 |

## Biology or Physics sequence

**Elective Credits** 15.0

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 211 | Majors Cellular | 5 |
| BIOL& 212 | Majors Plants | 5 |
| BIOL& 213 | Majors Animals | 5 |
| BIOL& 241 | Human Anatomy & Physiology I | 5 |
| BIOL& 242 | Human Anatomy & Physiology II | 5 |
| BIOL& 260 | Microbiology | 5 |

## or

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 114 | General Physics I w/Lab | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |

## or

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 221 | Engineering Physics I | 5 |
| PHYS& 222 | Engineering Physics II | 5 |
| PHYS& 223 | Engineering Physics III | 5 |

### Math/Science Requirement

**Elective Credits** 10.0-15.0

With advising, choose from:

## Biology

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 221 | Majors Ecology/Evolution | 5 |

## Chemistry

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 121 | Introduction to Chemistry | 5 |
| CHEM& 131 | Introduction to Organic/ Biochemistry | 5 |
| CHEM& 261 | Organic Chemistry I | 6 |
| CHEM& 262 | Organic Chemistry II | 6 |
| CHEM& 263 | Organic Chemistry III | 6 |

## Organic Chemistry

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 261 | Organic Chemistry I | 6 |
| CHEM& 262 | Organic Chemistry II | 6 |
| CHEM& 263 | Organic Chemistry III | 6 |

## Geology

| Course ID | Title | Credits |
|---|---|---|
| GEOL& 101 | Introduction to Physical Geology | 5 |
| GEOL& 208 | Geology of The Pacific Northwest | 5 |
| GEOL 218 | Environmental Geology | 5 |

## Math

| Course ID | Title | Credits |
|---|---|---|
| MATH& 146 | Introduction to Statistics | 5 |
| MATH& 153 | Calculus III | 5 |
| MATH 200 | Finite Mathematics | 5 |
| MATH 211 | Linear Algebra | 5 |
| MATH 238 | Differential Equations | 5 |

## Physics

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 114 | General Physics I w/Lab | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |
| PHYS& 221 | Engineering Physics I | 5 |
| PHYS& 222 | Engineering Physics II | 5 |
| PHYS& 223 | Engineering Physics III | 5 |

### Electives (for AS-T Option 1)

**Elective Credits** 5.0-10.0

With advising, choose from: **Mathematics** 141, 142, 146, 153, 200, 211, 238, 254; additional Humanities courses; additional Social Science courses; **English** 201, 203 or 235. May also use science courses from Option #1 or #2 not already used to meet degree requirements.

## Mathematics Electives (for AS-T Option 1)

| Course ID | Title | Credits |
|---|---|---|
| MATH& 141 | Precalculus I | 5 |
| MATH& 142 | Precalculus II | 5 |
| MATH& 146 | Introduction to Statistics | 5 |
| MATH& 153 | Calculus III | 5 |
| MATH 200 | Finite Mathematics | 5 |
| MATH 211 | Linear Algebra | 5 |
| MATH 238 | Differential Equations | 5 |
| MATH& 254 | Calculus IV | 5 |

## English Electives (for AS-T Option 1)

| Course ID | Title | Credits |
|---|---|---|
| ENGL 201 | Composition: Advanced Essay | 5 |
| ENGL 203 | Composition: Research | 5 |
| ENGL& 235 | Technical Writing | 5 |

### Physics Sequence

**Elective Credits** 15.0

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 114 | General Physics I w/Lab | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |

## or

| Course ID | Title | Credits |
|---|---|---|
| PHYS& 221 | Engineering Physics I | 5 |
| PHYS& 222 | Engineering Physics II | 5 |
| PHYS& 223 | Engineering Physics III | 5 |

### Chemistry/Science Requirement

**Elective Credits** 5.0

Chemistry 161 for Engineering majors; others select five credits of science based on advising.

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 161 | General Chemistry I | 5 |

### Electives (for AS-T Option 2)

**Elective Credits** 30.0

With advising, choose from: **Computer Science** 110, 141, 142, 203, 210, 215, 243; **Mathematics** 141, 142, 146, 153, 200, 211, 238, 254; **Engineering** 102, 105, 106, 211, 212, 214; additional Humanities courses; additional Social Science courses; **English** 201, 203 or 235. May also use science courses from **Option #1 or #2** not already used to meet degree requirements.

## Computer Science Electives (for AS-T Option 2)

| Course ID | Title | Credits |
|---|---|---|
| CSC 110 | Introduction to Data Analytics | 5 |
| CSC& 141 | Programming Fundamentals | 5 |
| CSC& 142 | Intermediate Programming | 5 |
| CSC 203 | Data Structures & Algorithms | 5 |
| CSC 210 | Data Analytics Systems & Algorithms | 5 |
| CSC 215 | Advanced Data Analytics Systems & Algorithms | 5 |
| CSC 243 | Advanced Data Structures and Algorithms | 5 |

## Mathematics Electives (for AS-T Option 2)

| Course ID | Title | Credits |
|---|---|---|
| MATH& 141 | Precalculus I | 5 |
| MATH& 142 | Precalculus II | 5 |
| MATH& 146 | Introduction to Statistics | 5 |
| MATH& 153 | Calculus III | 5 |
| MATH 200 | Finite Mathematics | 5 |
| MATH 211 | Linear Algebra | 5 |
| MATH 238 | Differential Equations | 5 |
| MATH& 254 | Calculus IV | 5 |

## Engineering Electives (for AS-T Option 2)

| Course ID | Title | Credits |
|---|---|---|
| ENGR 102 | Interpreting Engineering Graphics | 2 |
| ENGR 105 | Computer-Aided Design (CAD) | 5 |
| ENGR 106 | Computer Aided Design: Solid Modeling | 4 |
| ENGR& 214 | Engineering Statics | 5 |

## English Electives (for AS-T Option 2)

| Course ID | Title | Credits |
|---|---|---|
| ENGL 201 | Composition: Advanced Essay | 5 |
| ENGL 203 | Composition: Research | 5 |

# Associate of General Studies Degree

**Degree Type**
Associate of General Studies

The associate of general studies (AGS) degree allows students the flexibility to design their own degree. This degree is not designed for transfer. It can include either transfer or professional/technical courses, but must total 90 credits numbered 100 or above (or 85 credits numbered 100 or above plus MATH 99). ENGL& 101 must be completed with a "C" grade (2.0) or higher. Courses in the following categories must be included in the AGS degree:

## Courses

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |
| | Quantitative Skills (Intermediate Algebra or higher) | 5.0 |
| | Humanities (choose one) | 5.0 |
| | Natural Sciences with laboratory | 5.0 |
| | Social Sciences | 5.0 |
| | Electives | 65.0 |
| | Total Credits | 90 |

### Quantitative Skills (Intermediate Algebra or higher)

**Elective Credits** 5.0

### Humanities (choose one)

**Elective Credits** 5.0

### Natural Sciences with laboratory

**Elective Credits** 5.0

### Social Sciences

**Elective Credits** 5.0

### Electives

**Elective Credits** 65.0

The 65 elective credits can be chosen from any program of study. A minimum cumulative grade point average of 2.0 ("C" grade) is required for the AGS degree.

# Automotive Technology

**Degree Type**
Certificate of Completion
Associate of Applied Science Degree

The automotive technology program is designed to prepare students for a career in the automotive repair field. It combines theory classes with practical shop work to properly train students for entry-level into the automotive industry.

Automotive Service Excellence (ASE) certification through National Technicians Education Foundation (NATEF) evaluation ensures that certified training programs meet or exceed industry-recognized, uniform standards of excellence. Graduates of the program will have achieved competencies based on ASE tasks. Student achievement will be based upon demonstrated performance ability and testing in all required areas, which promotes individualized instruction.

Prior to enrollment in the automotive technology program, students must achieve appropriate scores on the placement test that will qualify them for MATH 92 or higher (or have completed MATH 90), OCED 101 and OCED 102. Additionally, students must have a valid driver's license and a qualifying interview with one of the automotive program instructors during which they will also take a mechanical aptitude test. Students must pass each automotive course and supporting courses with a grade of "C" (2.0) or higher to remain in the program and to be eligible to receive the associate of technical science degree.

Students may elect to use a set of tools provided by WVC (for a $75 deposit) while they acquire their own set of tools. Safety glasses and coveralls are required for all students.

Core program courses may have prerequisite requirements. English and mathematics courses require qualifying placement scores or acceptable preparatory coursework in those subjects. See course descriptions for details.

For more information about graduation rates, the median debt of students who completed the program and other important information, visit www.wvc.edu/autotech.

## Suggested Course Sequence: Associate of Applied Science Degree and Certificate Program

*Offered at Wenatchee campus*

| | |
|---|---|
| Total Credits | 121 |

**Course Sequencing**

## First Year - Fall Quarter

*OCED 101: Placement score required.*

| Course ID | Title | Credits |
|---|---|---|
| AUTO 100 | Shop Procedures | 1 |
| AUTO 110 | Electrical Systems | 5 |
| AUTO 112 | Engine Repair | 4 |
| AUTO 113 | Engine Performance | 5 |
| OCED 101 | Technical Reading | 5 |

## First Year - Winter Quarter

*OCED 102: Placement score required.*

| Course ID | Title | Credits |
|---|---|---|
| AUTO 114 | Auto Transmission/Transaxle | 5 |
| AUTO 115 | Manual Drivetrains | 5 |
| | OCED 102 Writing in the Workplace/Technical English or Higher | 5.0 |
| AUTO 116 | Suspension Steering and Alignment Laboratory | 5 |

## First Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| AUTO 117 | Brake Systems | 7.5 |
| AUTO 118 | Auto Heating and Air Conditioning | 7.5 |
| | MATH 92 Intro to Applied Math or higher | 5.0 |
| BCT 116 | Professional Work Relations | 3 |
| **Total Credits for Certificate: 63** | | |

## Second Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| | Elective | 5.0 |
| AUTO 210 | Advanced Electrical Systems | 7.5 |
| AUTO 213 | Advanced Engine Performance | 7.5 |

## Second Year - Winter Quarter

*AUTO 296: Cooperative Work Experience can be taken any quarter with instructor's permission.*

| Course ID | Title | Credits |
|---|---|---|
| AUTO 212 | Advanced Engine Repair | 5 |
| AUTO 217 | A.B.S. Brakers/Scanners | 5 |
| AUTO 219 | Engine Drivability | 5 |
| AUTO 296 | Cooperative Work Experience | 1-5 |

## Second Year - Spring Quarter

*AUTO 220: More in-depth training (study) in any offered automotive area to satisfy AUTO 220.*

| Course ID | Title | Credits |
|---|---|---|
| AUTO 220 | Advanced Technical Practices | 15 |
| WELD 128 | Basic Welding | 3 |

**Program outcomes**

Students who complete the AAS in Automotive Technology should be able to:

- Demonstrate skills and knowledge in:
  - the fundamentals of operation of heating and air conditioning system and their components.
  - the use of the scan tools, lab scopes and various diagnostic equipment in the automotive industry.
  - the use of the various scan tools used to test anti-lock brake systems components and sensors.
  - the use of the various automotive scan tools, lab scopes and diagnostic equipment used in the automotive industry while testing engine management systems.
  - the use of tools to test, remove, disassemble, install and service the air conditioning system components.
- Demonstrate the ability to:
  - locate, use and analyze information and technology resources to perform workplace duties.
  - think critically (analyze, synthesize, evaluate and apply, problem solve, reason quantitatively and qualitatively) in workplace environments.
  - act responsibly as an individual and as a member of a team or group in a workplace environment.
- Acquire training and education to seek employment or advance in current employment in the automotive industry.
- Develop a foundation to continue their studies in automotive technology or related fields.
- Become ASE certified.
- Continue education with factory and aftermarket training as available.

## OCED 102 Writing in the Workplace/ Technical English or Higher

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| OCED 102 | Writing In The Workplace | 5 |

MATH 92 Intro to Applied Math or higher

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| MATH 92 | Introduction to Applied Math | 5 |

Elective

**Elective Credits** 5.0

# Automotive Technology - Light Diesel Certificate

**Degree Type**
Certificate

Students who have earned their automotive technology ATS degree will be able to add the 20-credit light diesel certificate to their portfolios. In addition, the light diesel certificate is designed to enhance the skills of and expand employment options for technicians already working in the automotive field. Skills learned in the light diesel-based courses will assist students in competing for jobs in the automotive industry and can also prepare students for the heavy-duty side of the industry.

## Suggested Course Sequence: Certificate

*Offered at Wenatchee campus*

*This is a stand-alone certificate and is not financial aid eligible, unless incorporated within the ATS degree.*

| | | |
|---|---|---|
| | Total Credits | 20 |

**Course Sequencing**

## Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| AUTO 250 | Diesel Engine Construction | 5 |

## Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| AUTO 260 | Diesel Fuel & Ignition | 5 |

## Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| AUTO 270 | Diesel Diagnosis & Repair | 5 |
| ELTRO 240 | Industrial Hydraulics & Pneumatics | 5 |

# Business

**Degree Type**
Associate of Applied Science Degree

This two-year associate of applied science (AAS) degree program will provide a foundation in the business concepts of marketing, management, accounting/finance and communications/human relations, plus basic competency in computer applications. Many of the courses in this degree transfer to baccalaureate institutions. Students must work closely with their advisor to ensure proper course sequencing and choice.

To be eligible for the associate degree or certificate, students must earn at least a "C" (2.0) grade in all core program courses and a cumulative 2.0 grade point average. Core program courses may have prerequisite requirements. English and mathematics courses require qualifying placement scores or acceptable preparatory coursework in those subjects. See course descriptions for details.

## Required Courses: Associate of Applied Science Degree Program

*Offered at Wenatchee and Omak campuses*

Prerequisites for the AAS degree option are ENGL 97 and MATH 99 or qualifying placement scores.

## Core Courses

| Course ID | Title | Credits |
|---|---|---|
| BCT 105 | Computer Applications | 5 |
| BCT 130 | Spreadsheets | 5 |
| BUS 240 | Principles of Management | 5 |
| BUS 241 | Principles of Marketing | 5 |
| BUS 245 | Small Business Management | 5 |
| ACCT& 201 | Principles of Accounting I | 5 |
| | BUS& 101 or BUS 146 | 5.0 |
| | BCT 205 or CMST& 210 or CMST& 220 | 5.0 |
| | ECON& 201 or ECON& 202 | 5.0 |

## General Requirements

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |
| | MATH& 146 or other college-level math | 5.0 |
| | Natural Science (choose one) | 5.0 |
| | Humanities (choose one) | 5.0 |
| | Social Science (choose one) | 5.0 |
| | Business Electives - 20 Credits | 20.0 |

*ENGL& 101, MATH& 146: Placement score required.*

| | | |
|---|---|---|
| | Total Credits | 90 |

**Program outcomes**

Students who complete the AAS in General Business will be able to:

- Use and apply accounting and business concepts in real-life situations.
- Use their training and education to seek employment or advance in current employment in business-related fields.
- Know current practices, principles, and rules used in business and/or accounting.
- Develop a foundation for continued studies towards a transfer degree in business.

### BUS& 101 or BUS 146

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BUS& 101 | Introduction to Business | 5 |
| BUS 146 | Business Ethics | 5 |

### BCT 205 or CMST& 210 or CMST& 220

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BCT 205 | Business Communications | 5 |
| CMST& 210 | Interpersonal Communication | 5 |
| CMST& 220 | Public Speaking | 5 |

### ECON& 201 or ECON& 202

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ECON& 201 | Micro Economics | 5 |
| ECON& 202 | Macro Economics | 5 |

### MATH& 146 or other college-level math

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| MATH& 146 | Introduction to Statistics | 5 |

### Natural Science (choose one)

**Elective Credits** 5.0

### Humanities (choose one)

**Elective Credits** 5.0

### Social Science (choose one)

**Elective Credits** 5.0

### Business Electives - 20 Credits

**Elective Credits** 20.0

See a business advisor for approved electives. Electives in business, accounting or business computer technology are recommended.

# Business

**Degree Type**
Certificate of Completion

## Required Courses: Certificate of Completion

*Offered at Wenatchee and Omak campuses*

Prerequisites for the certificate option are ENGL 97 and MATH 98 or qualifying placement scores.

## Core Courses

| Course ID | Title | Credits |
|---|---|---|
| BCT 105 | Computer Applications | 5 |
| BCT 130 | Spreadsheets | 5 |
| | BUS 240 or BUS 245 | 5.0 |
| BUS 241 | Principles of Marketing | 5 |
| ACCT& 201 | Principles of Accounting I | 5 |
| | BUS& 101 or BUS 146 | 5.0 |
| | ECON& 201 or ECON& 202 | 5.0 |
| | BCT 205 or ENGL& 101 | 5.0 |
| | MATH 99 or higher | 5.0 |

*ENGL& 101, BCT 205, MATH 99: Placement score required.*

| | | |
|---|---|---|
| | Total Credits | 45 |

### BUS 240 or BUS 245

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BUS 240 | Principles of Management | 5 |
| BUS 245 | Small Business Management | 5 |

### BUS& 101 or BUS 146

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BUS& 101 | Introduction to Business | 5 |
| BUS 146 | Business Ethics | 5 |

### ECON& 201 or ECON& 202

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ECON& 201 | Micro Economics | 5 |
| ECON& 202 | Macro Economics | 5 |

### BCT 205 or ENGL& 101

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BCT 205 | Business Communications | 5 |
| ENGL& 101 | Composition: General | 5 |

### MATH 99 or higher

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| MATH 99 | Intermediate Algebra | 5 |

# Business Computer Technology

**Degree Type**
Associate of Applied Science Degree

## Suggested Course Sequence: Associate of Applied Science Degree Non-Transfer Program

*Offered at Wenatchee campus*

Prerequisites for AAS degree option: ENGL 97 and MATH 93 or qualifying placement scores, keyboarding skills.

## Curriculum

| Course ID | Title | Credits |
|---|---|---|
| BCT 105 | Computer Applications | 5 |
| BCT 111 | Business English | 5 |
| BCT 115 | Resume and Interview | 2 |
| BCT 116 | Professional Work Relations | 3 |
| BCT 118 | Customer Relations Management | 3 |
| BCT 120 | Word Processing I | 5 |
| BCT 125 | Internet Use | 2 |
| BCT 128 | Business Math | 5 |
| BCT 130 | Spreadsheets | 5 |
| BCT 150 | Database | 5 |
| BCT 160 | Presentation Graphics | 3 |
| BCT 170 | Microsoft Outlook | 2 |
| BCT 205 | Business Communications | 5 |
| BCT 210 | Word Processing II | 5 |
| BCT 220 | Data Visualization | 5 |
| | BCT 250 or ART 130 | 5.0 |
| BCT 251 | Web Publishing | 5 |
| BCT 275 | Software Integrations | 5 |
| BCT 284 | Project Management | 5 |
| CMST 130 | Survey of Digital Communications | 5 |
| | Elective BCT, BUS, CSC, CTS, ACCT, ART, CMST or CWE | 5.0 |
| | Total Credits | 90 |

**Course Sequencing**
**Recommended schedule for completing AAS in two years:**

## First Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| BCT 105 | Computer Applications | 5 |
| BCT 111 | Business English | 5 |
| BCT 116 | Professional Work Relations | 3 |
| BCT 125 | Internet Use | 2 |

## First Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| BCT 115 | Resume and Interview | 2 |
| BCT 120 | Word Processing I | 5 |
| BCT 160 | Presentation Graphics | 3 |
| CMST 130 | Survey of Digital Communications | 5 |

## First Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| BCT 118 | Customer Relations Management | 3 |
| BCT 130 | Spreadsheets | 5 |
| BCT 170 | Microsoft Outlook | 2 |
| BCT 205 | Business Communications | 5 |

## Second Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| BCT 128 | Business Math | 5 |
| BCT 210 | Word Processing II | 5 |
| BCT 220 | Data Visualization | 5 |

## Second Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| BCT 150 | Database | 5 |
| | BCT 250 or ART 130 | 5.0 |
| BCT 284 | Project Management | 5 |

## Second Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| BCT 251 | Web Publishing | 5 |
| BCT 275 | Software Integrations | 5 |
| | Elective | 5.0 |

### BCT 250 or ART 130

**Elective Credits** 5.0

BCT 250 or ART 130

| Course ID | Title | Credits |
|---|---|---|
| BCT 250 | Desktop Publishing | 5 |
| ART 130 | Graphic Design Technology I | 5 |

### Elective BCT, BUS, CSC, CTS, ACCT, ART, CMST or CWE

**Elective Credits** 5.0

### Elective

**Elective Credits** 5.0

# Business Computer Technology

**Degree Type**
Associate in Applied Science-Transfer Degree

*Associate in Applied Science-Transfer Degree: the AAS-T is built upon the technical courses required for job preparation but also includes a college-level general education component, common in structure for all such degrees. The distinguishing characteristic of the AAS-T is a minimum of 20 credits of general education courses drawn from the same list as those taken by students completing the Direct Transfer Agreement (DTA) associate degree or the Associate in Science-Transfer (AS-T) degree (that is, the courses generally accepted in transfer). AAS-T courses are designed for the dual purpose of immediate employment and as preparation for the junior year in a bachelor's degree commonly described as the bachelor of applied science (BAS). The AAS-T degree generally will not be accepted in transfer in preparation for bachelor of arts or bachelor of science degrees, although the general education component of the degree will be accepted in transfer. (State Board for Community and Technical Colleges)*

## Suggested Course Sequence: Associate in Applied Science-Transfer Degree

*Offered at Wenatchee campus*

Prerequisites for AAS-T degree option: MATH 99 or placement score equivalent; ENGL 97 or qualifying placement scores; keyboarding skills.

## Curriculum

| Course ID | Title | Credits |
|---|---|---|
| BCT 105 | Computer Applications | 5 |
| BCT 116 | Professional Work Relations | 3 |
| BCT 120 | Word Processing I | 5 |
| BCT 125 | Internet Use | 2 |
| BCT 130 | Spreadsheets | 5 |
| BCT 150 | Database | 5 |
| BCT 160 | Presentation Graphics | 3 |
| BCT 170 | Microsoft Outlook | 2 |
| | BCT 250 or ART 130 | 5.0 |
| BCT 275 | Software Integrations | 5 |
| BCT 284 | Project Management | 5 |
| BUS& 101 | Introduction to Business | 5 |

## General Education Requirements

| Course ID | Title | Credits |
|---|---|---|
| | College-level transfer math, English 101, Humanities, Natural Science, Social Science | 35.0 |
| | Elective BCT, BUS, CSC, CTS, ACCT, ART, CMST or CWE | 5.0 |

*College-level transfer math, ENGL& 101: Placement score required.*

| | | |
|---|---|---|
| | Total Credits | 90 |

**Course Sequencing**
**Recommended schedule for completing AAS-T in two years:**

## First Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| BCT 105 | Computer Applications | 5 |
| BCT 125 | Internet Use | 2 |
| | General Education Requirement | 5.0 |

## First Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| BCT 116 | Professional Work Relations | 3 |
| BCT 120 | Word Processing I | 5 |
| BCT 160 | Presentation Graphics | 3 |
| | General Education Requirement | 5.0 |

## First Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| BCT 130 | Spreadsheets | 5 |
| BCT 170 | Microsoft Outlook | 2 |
| | General Education Requirement | 5.0 |
| | General Education Requirement | 5.0 |

## Second Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| BUS& 101 | Introduction to Business | 5 |
| | General Education Requirement | 5.0 |
| | General Education Requirement | 5.0 |

## Second Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| BCT 150 | Database | 5 |
| | BCT 250 or ART 130 | 5.0 |
| BCT 284 | Project Management | 5 |

## Second Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| | General Education Requirement | 5.0 |
| BCT 275 | Software Integrations | 5 |
| | Elective | 5.0 |

### BCT 250 or ART 130

**Elective Credits** 5.0

BCT 250 or ART 130

| Course ID | Title | Credits |
|---|---|---|
| BCT 250 | Desktop Publishing | 5 |
| ART 130 | Graphic Design Technology I | 5 |

### College-level transfer math, English 101, Humanities, Natural Science, Social Science

**Elective Credits** 35.0

### Elective BCT, BUS, CSC, CTS, ACCT, ART, CMST or CWE

**Elective Credits** 5.0

### General Education Requirement

**Elective Credits** 5.0

### Elective

**Elective Credits** 5.0

# Business Computer Technology

**Degree Type**
Certificate of Accomplishment

## Required Courses: BCT Certificate of Accomplishment

*Offered at Wenatchee campus*

### Curriculum

| Course ID | Title | Credits |
|---|---|---|
| BCT 100 | Basic Computer Keyboarding | 2 |
| BCT 104 | Computer Fundamentals | 3 |
| BCT 105 | Computer Applications | 5 |
| BCT 111 | Business English | 5 |
| BCT 116 | Professional Work Relations | 3 |
| BCT 125 | Internet Use | 2 |
| | Elective: CMST or BCT | 5.0 |
| | BCT Elective | 5.0 |

**Electives may be taken any quarter.*

| | | |
|---|---|---|
| | Total Credits | 30 |

**Course Sequencing**
**Recommended schedule for completing certificate in two quarters:**

## First Quarter

| Course ID | Title | Credits |
|---|---|---|
| BCT 100 | Basic Computer Keyboarding | 2 |
| BCT 104 | Computer Fundamentals | 3 |
| BCT 111 | Business English | 5 |
| | Elective: CMST or BCT | 5.0 |

## Second Quarter

| Course ID | Title | Credits |
|---|---|---|
| BCT 105 | Computer Applications | 5 |
| BCT 116 | Professional Work Relations | 3 |
| BCT 125 | Internet Use | 2 |
| | BCT Elective | 5.0 |

### Elective: CMST or BCT

**Elective Credits** 5.0

### BCT Elective

**Elective Credits** 5.0

# Certified Nursing Assistant (CNA)

**Degree Type**
Certificate of Completion

Certified Nursing Assistant (CNA) courses teach basic patient caregiving skills. Upon completion of a CNA course, graduates are eligible to take the certification examination to become a certified nursing assistant. Either a Certificate of Completion from a CNA course (with a minimum of 35 class hours and 50 clinical hours) or a current Washington State Nursing Assistant Certification License is required when applying to WVC's Nursing program.

Students can choose from the two options below when signing up for a CNA course (they must be 17 by the first day of the course).

**Option 1: NURS 100**

Quarter-long, 10-credits

On the Wenatchee campus, this course is usually offered every quarter from 9 a.m.-12 p.m., Monday - Thursday. On the Omak campus, the class schedule varies. Always check the Course Schedule in case changes have been made and do not schedule other courses right after NURS 100 ends because students will need time to travel back to campus from clinical sites. For information on pricing, view the tuition and fees page at wvc.edu. To register for NURS 100, follow these steps:

1. Decide which quarter to take NURS 100
    - Winter quarter
    - Spring quarter
    - Summer quarter
    - Fall quarter
2. Complete the NURS 100 Application at wvc.edu/Nursing.
3. Submit the completed application
    - Wenatchee: Nursing, Wenatchi Hall, 1300 Fifth St, Wenatchee, WA 98801 nursing@wvc.edu
    - Omak: Nursing, Friendship Hall, 116 West Apple Ave Omak, WA 98841 nursing@wvc.edu
4. Once an application has been reviewed, and is determined to be complete, students will receive an enrollment form. Submit the enrollment form to the WVC Registration Office.

**Option 2: Fast-Track Course**

3 weeks, no credit

The Fast-Track courses are offered through the Continuing Education Department and the schedule varies. To register for a Fast-Track course, follow these steps:

1. Decide when you will take a Fast-Track course. The schedule is available on www.wvc.edu/

continuingeducation. The schedule is subject to change so check the website often for up-to-date information. Questions can be directed to the Continuing Education department: ceinfo@wvc.edu or 509-682-6900.
2. Sign up for an open Fast-Track course online. If the course you want is full, add yourself to the waitlist and sign up for a back-up course.
3. Complete the Fast-Track CNA Application at wvc.edu/ Nursing
4. Submit the completed application to Continuing Education (Continuing Education Department, ceinfo@ wvc.edu, 509-682-6900)

**Note: Conviction of certain crimes may prevent completion of the clinical class requirements of the program and may prevent future licensure and employment in healthcare**. A criminal record check is required prior to any clinical training experience or clinical field trips. Students who have a criminal record should meet with the WVC Nursing Director to determine if your criminal history would prevent access to a healthcare facility. Call 509-682-6660 for more information.

Students will be required to fulfill the following requirements prior to enrolling in the nursing assistant program to enter a clinical education setting:

- Provide a completed supplemental application for admission to the WVC Nursing Assistant program.
- Provide documentation of a two-step PPD (two separate tuberculin skin tests placed one to three weeks apart) and Hepatitis B vaccinations. Both must include vaccine lot numbers.
- Successfully pass a national background check through Complio and a DSHS background check. Certain crimes can disqualify students from attending clinical sites. Contact the Allied Health department at 509-682-6660 if you have concerns.
- WVC at Omak students: Provide results of a ten-panel negative drug screen, not older than 45 days from the start of class, through Complio.
- Complete the nursing assistant application which includes: student disclosure form, a child and adult abuse information act disclosure statement, medical record form, student release form and student confidentiality form.
- Liability insurance is calculated into tuition and fees at the time of registration.

## Suggested Course Sequence: Certificate of Completion

| Course ID | Title | Credits |
|---|---|---|
| NURS 100 | Nurse Assistant: Basic Patient Care | 10 |

*For more information on when this course is offered, contact:*

- *Wenatchee: Director of Nursing, Wenatchi Hall 2221E, 509-682-6660*
- *Omak: 509-422-7952*

| | |
|---|---|
| Total Credits | 10 |

**Program outcomes**

Upon successful completion of the Nursing Assistant course, students will:

- Student will demonstrate basic nursing assistant skills while caring for patients.
- 100% of students will demonstrate ability to apply theory to practice by passing final written exam with 80% or greater.
- Students will demonstrate competency while providing basic nursing assistant skills in laboratory setting.
- Students will complete the following required components for eligibility for state NAC exam, which will include: theory, lab and clinical hours.

# Computer Technology Systems

**Degree Type**
Certificate of Completion
Associate of Applied Science Degree

- **Associate of Applied Science Degree in Network Administration**
- **Data Center/IT Support Technician - Certificate of Completion**

The computer technology department of WVC offers training programs for computer support technicians, security specialists, network administrators and network engineers. By completing coursework in the computer technology series, students can prepare for several industry-recognized certifications including CompTIA A+, Comp TIA Network+, Linux and Microsoft Certified Systems Administrator (MCSA). Computer programming classes are offered in Java, Javascript, HTML, PHP and MySQL.

The WVC Computer Technology Center is located in library. The computer labs feature up-to-date equipment that is configured to allow students to perform a variety of programming and networking exercises such as configuring a domain controller, network security, routing or setting up a web server.

Core program courses may have prerequisite requirements. English and mathematics courses require qualifying placement score or acceptable preparatory coursework on those subjects. See course description for details.

For more information about graduation rates, the median debt of students who completed the program and other important information, visit www.wvc.edu/computertech.

## Suggested Course Sequence: Associate of Applied Science Degree in Computer Technology - Network Administration

*Offered on the Wenatchee campus*

| | | |
|---|---|---|
| | Total Credits | 90 |

**Course Sequencing**

## First Year - First Quarter

| Course ID | Title | Credits |
|---|---|---|
| CTS 110 | Computer Hardware | 5 |
| CTS 115 | Computer Software | 5 |
| CTS 120 | Introduction to Networking | 5 |

## First Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| CTS 130 | Client Operating Systems | 5 |
| CTS 140 | Server Operating Systems | 5 |
| | Support Course * | 3.0-5 |

## First Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| CTS 150 | Network Infrastructure | 5 |
| CTS 160 | Active Directory | 5 |
| | Elective | 5.0 |

**Total Credits for Data Center/IT Support Technician - Certificate of Completion: 43-45**

## Second Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| CTS 222 | Security Fundamentals | 5 |
| CSC& 141 | Programming Fundamentals | 5 |
| | Support Course * | 5.0 |

## Second Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| CTS 221 | Introduction to Linux | 5 |
| CTS 232 | Network Design | 5 |
| | Elective | 5.0 |

## Second Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| CTS 225 | Web Server Management | 5 |
| CTS 235 | Managing Mail and News Servers | 5 |
| | Elective (may use CTS 196/ Internship) | 5.0 |

*Support courses - These classes need to be completed to qualify for the Data Center/IT Support Technician - Certificate of Completion certificate or two-year degree: ENGL& 101**, MATH 99** or higher, and one of the following: BCT 116 or CMST& 210 or CMST& 220. The AAS degree also requires 10-12 credits of electives to reach a total of 90 credits.

***Placement score required*

**Program outcomes**

Students who complete the Data Center/IT Support Technician - Certificate of Completion should be able to:

- Work effectively, both independently and in groups, to solve computer hardware issues.
- Work effectively, both independently and in groups, to solve computer software and operating system issues.
- Diagnose and troubleshoot a variety of networking issues, from the physical layer through the application layer.
- Install, configure and troubleshoot a variety of client and server platform operating systems.
- Configure and support networks in a peer-to-peer network and a client server, domain-based network structure.
- Develop a foundation to continue their studies in computer technology and related fields.

In addition, students who complete the Associate of Applied Science Degree in Computer Technology-Network Administration should be able to:

- Recognize and work to prevent security issues such as viruses, denial of service attacks and attacks from both inside and outside a network perimeter.
- Install and configure advanced Network Operating Systems (NOS), including configuration of domain controllers, group policy, replication, file sharing and security.

- Administer networks: create user accounts and passwords; manage file permissions, user rights and security.
- Set up and configure a variety of roles for network operating systems, including file server, domain controller, web server, mail server, FTP server.
- Learn the fundamentals of open source operating systems such as Linux, including preparing for installation, dual-booting multiple operating systems, software installation fundamentals, configuration of network parameters and operation of server in various roles (web server, FTP server, file services).

Support Course *

**Elective Credits** 3.0-5.0

Support courses - These classes need to be completed to qualify for the computer technician certificate or two-year degree: ENGL& 101**, MATH 99** or higher, and one of the following: BCT 116 or CMST& 210 or CMST& 220. The ATS degree also requires 10-12 credits of electives to reach a total of 90 credits.

***Placement score required*

Elective

**Elective Credits** 5.0

Support Course *

**Elective Credits** 5.0

Support courses - These classes need to be completed to qualify for the Data Center/IT Support Technician - Certificate or two-year degree: ENGL& 101**, MATH 99** or higher, and one of the following: BCT 116 or CMST& 210 or CMST& 220. The ATS degree also requires 10-12 credits of electives to reach a total of 90 credits.

***Placement score required*

Elective (may use CTS 196/Internship)

**Elective Credits** 5.0

# Criminal Justice

**Degree Type**
Certificate of Completion
Associate of Applied Science Degree

- **Associate of Applied Science Degree**
- **Corrections Certificate of Completion**

## Suggested Course Sequence: Associate of Applied Science Degree

*Offered on the Wenatchee and Omak campuses*

| | | |
|---|---|---|
| | Total Credits | 90 |

**Course Sequencing**

## First Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| CJ& 101 | Introduction to Criminal Justice | 5 |
| CJ& 105 | Introduction to Corrections | 5 |
| | English (ENGL&) 101 required | 5.0 |

## First Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| CJ& 110 | Criminal Law | 5 |
| CJ& 106 | Introduction to Juvenile Justice | 5 |
| MATH 93 | Beginning Algebra | 5 |

## First Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| CJ 140 | Criminal Justice Report Writing | 5 |
| CJ 150 | Laws of Arrest, Search and Seizure | 5 |
| CMST& 210 | Interpersonal Communication | 5 |

**Total Credits for Corrections Certificate: 45**

Support courses need to be completed to qualify for the certificate. Support courses can be taken interchangeably between quarters

ENGL& 101 Composition
MATH 93 Pre-Algebra or higher
CMST& 210 Interpersonal Communication

## Second Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| CJ 201 | Criminal Investigations | 5 |
| CJ 210 | Police Organization & Administration | 5 |
| PSYC& 100 | General Psychology | 5 |

## Second Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| CJ& 240 | Introduction to Forensics | 5 |
| CJ 230 | Crisis Intervention | 5 |
| | Support Course for Criminal Justice | 5.0 |

## Second Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| CJ 245 | Introduction to Traffic Investigations | 5 |
| CJ 250 | Criminal Justice Professional Development | 5 |
| | Support Course for Criminal Justice | 5.0 |

Choose 10 credits from general electives or restricted electives listed below.

General Electives listed in the Associate in Arts DTA requirement list:
Accounting: 201, 202, 203
Agriculture: 101, 108
Business Administration: 101, 201, 240, 241
Chemical Dependency Studies: 101
Computer Science: 141
Criminal Justice: 101, 105, 106, 110
Education: 115, 200, 204, 210
Engineering: 214
Environmental Science: 230, 231
Latin: 110, 220
Math: 171, 172
Music: 145, 146
Physical Education Lecture: 180, 181, 182, 189, 250, 283, 284, 285, 287, 289
Physical Education Activities**: 101-162, 218-262
Physical Education Recreation Lecture: 196, 201, 202, 204
Physical Education Recreation Activities**: 105, 106, 107, 144

OR

Restricted electives approved by the program coordinator or dean, or a combination of general and approved restricted electives. Restricted electives approved for the Arts and Science DTA are: Any course numbered 100 or above that is not already listed on this page, and is not from continuing education, can be considered a Restricted Elective course: ACCT, AGRI, AUTO, BCT, BUS, CDS, CJ, CSC, CTS, CWE, ECED, EDUC, ELEC, ELTRO, ENGR, ESRT, FS, HLTH, INDT, LIBR, MATH, MLT, NATR, NURS, NUTR, OCED, PEHR, RADT, READ, SDS, TGM, WELD

Support Courses need to be completed to qualify for the two-year degree:

ENGL 97 Composition: Paragraph or higher
MATH 93 Pre algebra or higher
CMST& 210 Interpersonal Communication
PSYC& 100 General Psychology

### English (ENGL&) 101 required

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |

## Support Course for Criminal Justice

**Elective Credits** 5.0

These classes need to be completed to qualify for the two-year degree:

ENGL 97 Composition: Paragraph or higher
MATH 92 Intro to Applied Math or higher
CMST& 210 Interpersonal Communication
PSYC& 100 General Psychology

| Course ID | Title | Credits |
|---|---|---|
| ENGL 97 | Composition: Paragraph | 5 |
| MATH 92 | Introduction to Applied Math | 5 |
| CMST& 210 | Interpersonal Communication | 5 |
| PSYC& 100 | General Psychology | 5 |

# Criminal Justice

**Degree Type**
Associate in Applied Science-Transfer Degree

Entry into this program is by permission only. This program requires a "C" (2.0) or better in the criminal justice core courses and an accumulative GPA of 2.0 for successful completion. Students should work closely with the criminal justice program advisor.

This is a sample program guide. Individual students' quarterly schedules may vary depending on each student's readiness for the program and annual course offerings.

## Suggested Course Sequence: Associate in Applied Science-Transfer Degree

*Offered on the Wenatchee and Omak campuses*

| | | |
|---|---|---|
| | Total Credits | 90 |

**Course Sequencing**

## First Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| CJ& 101 | Introduction to Criminal Justice | 5 |
| CJ& 105 | Introduction to Corrections | 5 |
| ENGL& 101 | Composition: General | 5 |

## First Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| CJ& 110 | Criminal Law | 5 |
| CJ& 106 | Introduction to Juvenile Justice | 5 |
| MATH& 107 | Math In Society | 5 |

## First Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| CJ 140 | Criminal Justice Report Writing | 5 |
| CJ 150 | Laws of Arrest, Search and Seizure | 5 |
| PSYC& 100 | General Psychology | 5 |

## Second Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| CJ 201 | Criminal Investigations | 5 |
| CJ 210 | Police Organization & Administration | 5 |
| CMST& 210 | Interpersonal Communication | 5 |

## Second Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| CJ& 240 | Introduction to Forensics | 5 |
| CJ 230 | Crisis Intervention | 5 |
| | Elective: Lab Science | 5.0 |

## Second Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| CJ 245 | Introduction to Traffic Investigations | 5 |
| CJ 250 | Criminal Justice Professional Development | 5 |
| | Elective: Science, Humanities or Social Science | 5.0 |

*ENGL& 101, MATH& 107: Placement score required.*

*Choose 10 credits of general electives from the courses listed under the DTA requirements. Approved courses include: additional communication skills, additional higher level quantitative skills, humanities, social science and natural science. Electives may be scheduled to meet transferability to specific university programs and require appropriate assessment scores.*

*AAS-T courses are designed for the dual purpose of immediate employment and as preparation for the junior year in a bachelor's degree commonly described as the bachelor of applied science (BAS). The AAS-T degree generally will not be accepted in transfer in preparation for bachelor of arts or bachelor of science degrees, although the general education component of the degree will be accepted in transfer. (State Board for Community and Technical Colleges)*

## Elective: Lab Science

**Elective Credits** 5.0

Elective: Science, Humanities or Social Science

**Elective Credits** 5.0

# Data Analysis & Visualization

**Degree Type**
Certificate of Completion

Students will gain a foundational understanding of databases and how to organize, store, retrieve and analyze data for various contexts. Emphasis on the process of analyzing and interpreting the data with visualization to illustrate concepts and communicate information.

## Learning Outcomes

- Identify and collect data
- Organize data for exploratory analysis
- Utilize data analytics tools and techniques to query and present data
- Communicate data results in multiple contexts and a variety of formats

| | |
|---|---|
| Total Credits | 15 |

**Course Sequencing**

## Recommend Curriculum

**Winter Quarter**

BCT 150 - Database

**Spring Quarter**

BCT 130 - Spreadsheets (Optional)

**Summer Quarter**

BCT 230 - Intro to Data Analysis

**Fall Quarter**

BCT 220 - Data Visualization

| Course ID | Title | Credits |
|---|---|---|
| BCT 150 | Database | 5 |
| BCT 230 | Intro to Data Analysis | 5 |
| BCT 220 | Data Visualization | 5 |
| BCT 130 | Spreadsheets | 5 |

# Digital Design

**Degree Type**
Certificate of Completion

The digital design program provides students with a strong fine art and technical foundation in both 2D and 3D design. With an emphasis on computer graphics across multiple software platforms, graduates will be equipped for entry-level positions in entertainment design and for visualization positions in architecture, engineering and the medical fields. These positions include 3D modeler, texture artist, production artist, digital graphics specialist or CAD assistant. Using the guiding artistic concepts and principles learned, students will culminate their studies by creating a professional portfolio. The program is also designed as a gateway to further education and/or specialization in art, architecture and engineering.

Students should work closely with their advisor for proper sequencing of classes in order to complete the program in an expeditious manner. Also take careful notice of course prerequisites (see course descriptions).

For more information about graduation rates, the median debt of students who completed the program and other important information, visit www.wvc.edu/digitaldesign.

## Required courses: Digital Design Certificate of Completion

*Offered at Wenatchee campus*

### Core Classes

**(to be taken any time based on availability)**

| Course ID | Title | Credits |
|---|---|---|
| ART 106 | Design 2-Dimensional Composition and Color | 5 |
| ART 107 | 3D Design Introduction to Sculpture | 5 |
| ART 110 | Drawing I | 5 |
| ART 111 | Figure Drawing I | 5 |
| ENGL& 101 | Composition: General | 5 |
| | MATH 100 or higher | 5.0 |
| BCT 116 | Professional Work Relations | 3 |

### Prerequisites for spring-quarter courses

**(complete in fall or winter quarter)**

| Course ID | Title | Credits |
|---|---|---|
| ART 130 | Graphic Design Technology I | 5 |
| ART 132 | 3D Digital Design 1: Intro to 3D Computer Aided Modeling | 5 |
| ENGR 105 | Computer-Aided Design (CAD) | 5 |

## Spring Quarter (offered spring quarter only)

| Course ID | Title | Credits |
|---|---|---|
| ART 131 | Graphic Design Technology II | 5 |
| ART 133 | 3D Digital Design 2: Advanced Modeling, Rendering and Presentation | 5 |
| ENGR 106 | Computer Aided Design: Solid Modeling | 4 |

## Completion Course

| Course ID | Title | Credits |
|---|---|---|
| INDT 276 | Digital Design Capstone | 3 |

ENGL& 101, MATH 100: Placement score required. ART 110, ART 111, ART 131, ART 133, ART 106: See an art advisor for schedule planning and for specific course prerequisites.

| | | |
|---|---|---|
| | Total Credits | 65 |

**Program outcomes**

**Graduates of the Digital Design program should:**

- be equipped for entry-level positions in entertainment design and for visualization positions in architecture, engineering and the medical fields.
- be able to demonstrate software competency in the context of fine art design principles and concepts.
- be able to demonstrate the diligent work ethic, and esprit de corps expected in the design professions.
- be ready to work as collaborative, team-oriented business professionals.

MATH 100 or higher

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| MATH 100 | Tech Math for Industrial Field | 5 |

# Drafting Technology

**Degree Type**
Certificate of Completion

The WVC Drafting Technology certificate provides training for individuals seeking employment as drafting technicians for architects, construction companies, contractors, utilities and engineering firms.

Before entering the drafting technology program, students are strongly advised to complete one year of high school algebra or its equivalent. Keyboarding and computer literacy are important. Course work in basic drawing or drafting is also beneficial and recommended before entering the program.

For students who plan to continue their education to earn a two-year or four-year degree beyond this one-year certificate, please meet with an advisor to select a math course and elective credits best suited for future degree programs.

**Required Courses: Certificate of Completion**
*Suggested course sequence for fall start. Winter start also available.*

**Offered at Wenatchee campus**

*Financial Aid eligible beginning April 13, 2023.*

## Program Course Sequence

| | | |
|---|---|---|
| | Total Credits | 45 |

**Course Sequencing**

## Required Courses

| Course ID | Title | Credits |
|---|---|---|
| ENGR 102 | Interpreting Engineering Graphics | 2 |
| ENGR 105 | Computer-Aided Design (CAD) | 5 |
| ENGR 106 | Computer Aided Design: Solid Modeling | 4 |
| GEOG 215 | Introduction to GIS | 5 |
| ENGR 267 | Introduction to Survey Techniques | 5 |
| ENGL& 101 | Composition: General | 5 |
| MATH 100 | Tech Math for Industrial Field | 5 |
| BCT 130 | Spreadsheets | 5 |
| ENGL& 235 | Technical Writing | 5 |
| | Drafting Certificate Elective Group | 1.0-6 |
| | Cooperative Work Experience (Drafting Technology) | 1.0-5 |

*ENGR 102, ENGR 105, ENGR 106: One or more of these courses may be taken in high school for Tech Prep credit if the student's school has an articulation agreement.*

*MATH 100 may be replaced with a higher level MATH course.*

**Program outcomes**

Drafters generate technical drawings and three-dimensional models for architectural, civil, electrical or mechanical fields. WVC's Drafting Certificate teaches students the basic operation of a variety of

industry standard software to supplement their chosen specialty. Students pursuing employment in industrial fields such as machining or electronics should be able to apply their drafting skills to their trade just as students pursuing their transfer degrees would be able to apply their drafting knowledge to engineering or architecture fields.

Students who complete the drafting certificate should be able to demonstrate an understanding of engineering graphic principles and should be able to generate two-dimensional technical drawings as well as 3D models of parts and assemblies.

### Drafting Certificate Elective Group

**Elective Credits** 1.0-6.0

Up to 6 electives credits may be used to meet the 45 credit requirement; recommended electives listed below

| Course ID | Title | Credits |
|---|---|---|
| ART 110 | Drawing I | 5 |
| MATH& 107 | Math In Society | 5 |
| MATH& 141 | Precalculus I | 5 |
| MATH& 142 | Precalculus II | 5 |
| MATH& 146 | Introduction to Statistics | 5 |
| MATH& 151 | Calculus I | 5 |
| MATH& 152 | Calculus II | 5 |
| MATH& 153 | Calculus III | 5 |
| CHEM& 161 | General Chemistry I | 5 |
| CHEM& 162 | General Chemistry II | 5 |
| PHYS& 114 | General Physics I w/Lab | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |

### Cooperative Work Experience (Drafting Technology)

**Elective Credits** 1.0-5.0

Complete 1-5 credits within one of the following.

| Course ID | Title | Credits |
|---|---|---|
| CWE 195 | Work Experience Practicum | 5 |
| INDT 196 | Cooperative Work Experience | 1-5 |
| BUS 196 | Cooperative Work Experience | 1-5 |

# Early Childhood Education

**Degree Type**
Associate of Applied Science Degree

To be eligible for either of the associate degrees or the certificate, students must earn at least a "C" grade (2.0) in all Early Childhood Education core courses and a cumulative 2.0 grade point average.

## Suggested Course Sequence: Associate of Applied Science Degree Program

*Offered at Wenatchee and Omak campuses*

| | | |
|---|---|---|
| | Total Credits | 90 |

**Course Sequencing**

## First Year - Fall Quarter

*Note: students completing ECED& 105, ECED& 120 and ECED& 107 should apply for their Initial ECE certificate.*

| Course ID | Title | Credits |
|---|---|---|
| ECED& 105 | Introduction to Early Childhood Education | 5 |
| ECED& 120 | Practicum-Nurturing Relationships | 2 |
| ECED& 107 | Health, Safety and Nutrition | 5 |

## First Year - Winter Quarter

BCT 128 placement score required may be replaced with a higher quantitative math course

| Course ID | Title | Credits |
|---|---|---|
| | BCT 128 or Quantitative Skills or higher | 5.0 |
| EDUC& 115 | Child Development | 5 |
| EDUC& 130 | Guiding Behavior | 3 |

## First Year - Spring Quarter

OCED 102: Placement score required. May be replaced with Technical English or higher.

| Course ID | Title | Credits |
|---|---|---|
| | OCED 102 Writing in the Workplace/Technical English or Higher | 5.0 |
| ECED& 190 | Observation & Assessment | 3 |
| | Elective | 5.0 |
| ECED& 132 | Infant/Toddler Care | 3 |

## First Year - Sumer Quarter

| Course ID | Title | Credits |
|---|---|---|
| ECED& 180 | Language & Literacy | 3 |
| ECED 220 | STEM in Early Childhood | 4 |
| | Diversity Elective | 5.0 |

## Second Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| ECED& 160 | Curriculum Development | 5 |
| EDUC& 150 | Child, Family & Community | 3 |
| ECED& 170 | Learning Environments | 3 |
| ECED& 139 | Administration of Early Childhood Education | 3 |

## Second Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| ECED 221 | Visual and Performing Arts for Early Childhood | 5 |
| EDUC& 204 | Exceptional Child (Introduction to Special Education) | 5 |
| ECED 133 | Field Experience II | 2 |
| ECED& 138 | Home Visiting & Family Engagement | 3 |

## Second Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| | EDUC& 136 or ECED& 134 | 3.0 |
| ECED 290 | Practicum/Capstone | 4 |
| | CMST& 101 or CMST& 210 or CMST& 220 | 5.0 |

**Program outcomes**

Students who complete a degree in Early Childhood Education should be able to:

- Document knowledge and understanding of essential aspects of NAEYC professional standards and competency areas with a focus on birth through age eight.
- Incorporate pedagogical content knowledge, theoretical perspectives, and assessment practices by applying, expanding, and integrating knowledge and understanding of developmentally appropriate curriculum for children from birth to age 8.
- Design developmentally appropriate early learning environments that support learning for children who are culturally, linguistically, and ability diverse.
- Plan and provide learning experiences with appropriate supporting educational materials for young children in the four Early Childhood settings: infant/toddler program, family/home child care program, preschool program and a kindergarten, 1st, 2nd or 3rd grade classroom.
- Identify, use, and refer individuals to credible professional resources to better serve children and families who are culturally, linguistically, and ability diverse.
- Apply content knowledge and skills learned throughout the program to pursue further education and acquire, meet, or maintain state licensing regulations for employees, facilities, and programs.

### BCT 128 or Quantitative Skills or higher

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BCT 128 | Business Math | 5 |
| MATH 98 | Elementary Algebra | 5 |
| MATH 99 | Intermediate Algebra | 5 |
| MATH& 107 | Math In Society | 5 |
| MATH& 141 | Precalculus I | 5 |
| MATH& 146 | Introduction to Statistics | 5 |

### OCED 102 Writing in the Workplace/ Technical English or Higher

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| OCED 102 | Writing In The Workplace | 5 |

### Elective

**Elective Credits** 5.0

### Diversity Elective

**Elective Credits** 5.0

View wvc.edu/DR for list of diversity requirements.

### EDUC& 136 or ECED& 134

**Elective Credits** 3.0

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 136 | School Age Care Management | 3 |
| ECED& 139 | Administration of Early Childhood Education | 3 |

CMST& 101 or CMST& 210 or CMST& 220

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CMST& 101 | Introduction to Communication | 5 |
| CMST& 210 | Interpersonal Communication | 5 |
| CMST& 220 | Public Speaking | 5 |

# Early Childhood Education

**Degree Type**
Associate in Applied Science-Transfer Degree

***Students interested in pursuing this degree should contact the program director directly at 509-682-6633 or hmartinez2@wvc.edu.***

## Required Courses: Early Childhood Education Associate in Applied Science - Transfer Degree

*Offered at Wenatchee and Omak campuses*

Prerequisites for AAS-T degree: computer literacy skills and qualifying test placement scores for ENGL& 101 and MATH& 107 or higher.

To be eligible for either of the associate degrees or the certificate, students must earn at least a "C" grade (2.0) in all ECE core courses and a cumulative 2.0 grade point average.

| | | |
|---|---|---|
| | Total Credits | 0 |

**Course Sequencing**

## First Year - Fall Quarter

*Note: Students completing ECED& 105, ECED& 107 and ECED& 120 can apply for their initial certification.*

| Course ID | Title | Credits |
|---|---|---|
| ECED& 105 | Introduction to Early Childhood Education | 5 |
| ECED& 120 | Practicum-Nurturing Relationships | 2 |
| ECED& 107 | Health, Safety and Nutrition | 5 |
| ECED& 170 | Learning Environments | 3 |

## First Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |
| EDUC& 115 | Child Development | 5 |
| EDUC& 130 | Guiding Behavior | 3 |

## First Year - Spring Quarter

Math& 107 Math in Society recommended.

| Course ID | Title | Credits |
|---|---|---|
| ECED& 190 | Observation & Assessment | 3 |
| | College-level transfer math | 5.0 |
| PSYC& 100 | General Psychology | 5 |

## First Year - Summer Quarter

It is recommended for students working on prerequisites for the BAS-BH to take ENGL& 235.

ENGL& 201 is recommended for students pursuing other pathways.

| Course ID | Title | Credits |
|---|---|---|
| ECED& 180 | Language & Literacy | 3 |
| ECED 220 | STEM in Early Childhood | 4 |
| | 200-level English writing course | 5.0 |

## Second Year - Fall Quarter

It is recommended for students working on prerequisites for the BAS-BH to take ASP 100.

| Course ID | Title | Credits |
|---|---|---|
| ECED& 160 | Curriculum Development | 5 |
| EDUC& 150 | Child, Family & Community | 3 |
| ASP 100 (Also known as Big Bend College ADS 100) | Survey of Addiction Issues | 5 |

## Second Year - Winter Quarter

When choosing a Humanities course students should consider meeting their **diversity requirement** through the Humanities course.

| Course ID | Title | Credits |
|---|---|---|
| ECED 221 | Visual and Performing Arts for Early Childhood | 5 |
| EDUC& 204 | Exceptional Child (Introduction to Special Education) | 5 |
| | Humanities (choose one) | 5.0 |

## Second Year - Spring Quarter

CMST& 220 is recommended.

It is recommended for students working on prerequisites for the BAS-BH to take a lab science.

It is recommended for students working on prerequisites for WSU Human Development to take PSYC& 200.

It is recommended for students work working on prerequisites for EWU P-3 certification take Natural Science.

| Course ID | Title | Credits |
|---|---|---|
| | Natural Sciences with laboratory | 5.0 |
| | CMST& 101 or CMST& 210 or CMST& 220 | 5.0 |
| PSYC& 200 | Lifespan Psychology | 5 |

# Early Childhood Education AAS-T

*Associate in Applied Science-Transfer Course Sequencing: the AAS-T is built upon the technical courses required for job preparation but also includes a college-level general education component, common in structure for all such degrees. The distinguishing characteristic of the AAS-T is a minimum of 20 credits of general education courses drawn from the same list as those taken by students completing the Direct Transfer Agreement (DTA) associate degree or the Associate in Science-Transfer (AS-T) degree (that is, the courses generally accepted in transfer). AAS-T courses are designed for the dual purpose of immediate employment and as preparation for the junior year in a bachelor's degree commonly described as the bachelor of applied science (BAS). The AAS-T degree generally will not be accepted in transfer in preparation for bachelor of arts or bachelor of science degrees, although the general education component of the degree will be accepted in transfer. (State Board for Community and Technical Colleges)*

**Program outcomes**

Students who complete a degree in Early Childhood Education should be able to:

- Document knowledge and understanding of essential aspects of NAEYC professional standards and competency areas with a focus on birth through age eight.
- Incorporate pedagogical content knowledge, theoretical perspectives, and assessment practices by applying, expanding, and integrating knowledge and understanding of developmentally appropriate curriculum for children from birth to age 8.
- Design developmentally appropriate early learning environments that support learning for children who are culturally, linguistically, and ability diverse.
- Plan and provide learning experiences with appropriate supporting educational materials for young children in the four Early Childhood settings: infant/toddler program, family/home child care program, preschool program and a kindergarten, 1st, 2nd or 3rd grade classroom.
- Identify, use, and refer individuals to credible professional resources to better serve children and families who are culturally, linguistically, and ability diverse.
- Apply content knowledge and skills learned throughout the program to pursue further education and acquire, meet, or maintain state licensing regulations for employees, facilities, and programs.

### College-level transfer math

**Elective Credits** 5.0

### 200-level English writing course

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ENGL 201 | Composition: Advanced Essay | 5 |
| ENGL 202 | Composition: Critical Analysis | 5 |
| ENGL 203 | Composition: Research | 5 |
| ENGL& 235 | Technical Writing | 5 |

### Humanities (choose one)

**Elective Credits** 5.0

### Natural Sciences with laboratory

**Elective Credits** 5.0

### CMST& 101 or CMST& 210 or CMST& 220

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CMST& 101 | Introduction to Communication | 5 |
| CMST& 210 | Interpersonal Communication | 5 |
| CMST& 220 | Public Speaking | 5 |

# Early Childhood Education State Certificate

**Degree Type**

Certificate of Completion

# Suggested Course Sequence: State Early Childhood Education Certificate

*Offered at Wenatchee and Omak campuses*

To be eligible for either of the associate degrees or the certificate, students must earn at least a "C" grade (2.0) in all ECE core courses and a cumulative 2.0 grade point average.

| | | |
|---|---|---|
| | Total Credits | 47 |

**Course Sequencing**

## First Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| ECED& 105 | Introduction to Early Childhood Education | 5 |
| ECED& 107 | Health, Safety and Nutrition | 5 |
| ECED& 120 | Practicum-Nurturing Relationships | 2 |

## First Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| | BCT 128 or Quantitative Skills or higher | 5.0 |
| EDUC& 115 | Child Development | 5 |
| EDUC& 130 | Guiding Behavior | 3 |

## First Year - Spring Quarter

*OCED 102: Placement score required.*

| Course ID | Title | Credits |
|---|---|---|
| | OCED 102 or ENGL& 101 | 5.0 |
| ECED& 190 | Observation & Assessment | 3 |

## First Year - Summer Quarter

| Course ID | Title | Credits |
|---|---|---|
| ECED& 180 | Language & Literacy | 3 |
| | Select one of the following six courses | 3.0 |

## Second Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| ECED& 160 | Curriculum Development | 5 |
| EDUC& 150 | Child, Family & Community | 3 |

**Program outcomes**

Students who complete the Early Childhood Education Certificate should be able to:

- Understand the importance of each content area in young children's learning.
- Know the essential concepts and structure of content areas, including academic subjects.
- Use their understanding of young children's characteristics, needs and developmental growth to create environments that are healthy, respectful, supportive, and challenging for all children.
- Acquire training and education to seek employment or advance in current employment in the field of Early Childhood.
- Develop a foundation to continue their studies in Early Childhood Education.

### BCT 128 or Quantitative Skills or higher

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BCT 128 | Business Math | 5 |
| MATH 98 | Elementary Algebra | 5 |
| MATH 99 | Intermediate Algebra | 5 |
| MATH& 107 | Math In Society | 5 |
| MATH& 141 | Precalculus I | 5 |
| MATH& 146 | Introduction to Statistics | 5 |

### OCED 102 or ENGL& 101

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| OCED 102 | Writing In The Workplace | 5 |
| ENGL& 101 | Composition: General | 5 |

### Select one of the following six courses

**Elective Credits** 3.0

ECED& 170 is preferred.

| Course ID | Title | Credits |
|---|---|---|
| ECED& 170 | Learning Environments | 3 |
| ECED& 139 | Administration of Early Childhood Education | 3 |
| ECED& 132 | Infant/Toddler Care | 3 |
| EDUC& 136 | School Age Care Management | 3 |
| ECED& 134 | Family Childcare Management | 3 |
| ECED& 138 | Home Visiting & Family Engagement | 3 |

# Early Childhood Education State Initial Certificate

**Degree Type**
Certificate of Accomplishment

*Offered at Wenatchee and Omak campuses*

Prerequisites for certificate of accomplishment options: qualifying test placement scores for ENGL 90 or READ 92 or above.

To be eligible for either of the associate degrees or the certificates, students must earn at least a "C" grade (2.0) in all ECE core courses and a cumulative 2.0 grade point average.

## Required Courses: State Initial ECE Certificate

*This certificate program is not eligible for financial aid.*

| | | |
|---|---|---|
| | Total Credits | 12 |

**Course Sequencing**

## Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| ECED& 105 | Introduction to Early Childhood Education | 5 |
| ECED& 107 | Health, Safety and Nutrition | 5 |
| ECED& 120 | Practicum-Nurturing Relationships | 2 |

**Program outcomes**

Students who complete the Early Childhood Education Certificate should be able to:

- Document knowledge and understanding of essential aspects of NAEYC professional standards and competency areas with a focus on birth through age eight.
- Design developmentally appropriate early learning environments that support learning for children who are culturally, linguistically, and ability diverse.
- Identify, use, and refer individuals to credible professional resources to better serve children and families who are culturally, linguistically, and ability diverse.
- Plan and provide learning experiences with appropriate supporting educational materials for young children in the four Early Childhood settings: infant/toddler program, family/home child care program, preschool program and a kindergarten, 1st, 2nd or 3rd grade classroom.
- Apply knowledge and skills learned throughout the program to acquire, meet, or maintain state licensing regulations for employees, facilities, and programs.

# Early Childhood Education State Short Cert. - Administration

**Degree Type**
Certificate of Accomplishment

*Offered at Wenatchee and Omak campuses*

Prerequisites for certificate of accomplishment options: qualifying test placement scores for ENGL 90 or READ 92 or above.

To be eligible for either of the associate degrees or the certificates, students must earn at least a "C" grade (2.0) in all ECE core courses and a cumulative 2.0 grade point average.

## Required Courses: State Short ECE Certificate of Specialization - Administration

*This certificate program is not eligible for financial aid.*

| | | |
|---|---|---|
| | Total Credits | 20 |

**Course Sequencing**

## Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| ECED& 105 | Introduction to Early Childhood Education | 5 |
| ECED& 107 | Health, Safety and Nutrition | 5 |
| ECED& 120 | Practicum-Nurturing Relationships | 2 |

## Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 115 | Child Development | 5 |

## Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| ECED& 139 | Administration of Early Childhood Education | 3 |

**Program outcomes**

Students who complete the Early Childhood Education Certificate should be able to:

- Document knowledge and understanding of essential aspects of NAEYC professional standards and competency areas with a focus on birth through age eight.
- Design developmentally appropriate early learning environments that support learning for children who are culturally, linguistically, and ability diverse.
- Identify, use, and refer individuals to credible professional resources to better serve children and families who are culturally, linguistically, and ability diverse.
- Plan and provide learning experiences with appropriate supporting educational materials for young children in the four Early Childhood settings: infant/toddler program, family/home child care program, preschool program and a kindergarten, 1st, 2nd or 3rd grade classroom.
- Modify and update practices by expanding and integrating the knowledge and understanding of the administration of early childhood programs.
- Apply knowledge and skills learned throughout the program to acquire, meet, or maintain state licensing regulations for employees, facilities, and programs.

# Early Childhood Education State Short Cert. - Family Child Care

**Degree Type**
Certificate of Accomplishment

*Offered at Wenatchee and Omak campuses*

Prerequisites for certificate of accomplishment options: qualifying test placement scores for ENGL 90 or READ 92 or above.

To be eligible for either of the associate degrees or the certificates, students must earn at least a "C" grade (2.0) in all ECE core courses and a cumulative 2.0 grade point average.

## Required Courses: State Short ECE Certificate of Specialization - Family Child Care

*This certificate program is not eligible for financial aid.*

| | | |
|---|---|---|
| | Total Credits | 20 |

**Course Sequencing**

## Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| ECED& 105 | Introduction to Early Childhood Education | 5 |
| ECED& 107 | Health, Safety and Nutrition | 5 |
| ECED& 120 | Practicum-Nurturing Relationships | 2 |

## Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 115 | Child Development | 5 |
| ECED& 134 | Family Childcare Management | 3 |

**Program outcomes**

Students who complete the Early Childhood Education Certificate should be able to:

- Document knowledge and understanding of essential aspects of NAEYC professional standards and competency areas with a focus on birth through age eight.
- Design developmentally appropriate early learning environments that support learning for children who are culturally, linguistically, and ability diverse.
- Identify, use, and refer individuals to credible professional resources to better serve children and families who are culturally, linguistically, and ability diverse.
- Plan and provide learning experiences with appropriate supporting educational materials for a family child care environment.
- Modify and update practices by expanding and integrating family child care knowledge and understanding.
- Apply knowledge and skills learned throughout the program to acquire, meet, or maintain state licensing regulations for employees, facilities, and programs.

# Early Childhood Education State Short Cert. - General

**Degree Type**
Certificate of Accomplishment

*Offered at Wenatchee and Omak campuses*

Prerequisites for certificate of accomplishment options: qualifying test placement scores for ENGL 90 or READ 92 or above.

To be eligible for either of the associate degrees or the certificates, students must earn at least a "C" grade (2.0) in all ECE core courses and a cumulative 2.0 grade point average.

## Required Courses: State Short ECE Certificate of Specialization - General

*This certificate program is not eligible for financial aid.*

| | | |
|---|---|---|
| | Total Credits | 20 |

**Course Sequencing**

## Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| ECED& 105 | Introduction to Early Childhood Education | 5 |
| ECED& 107 | Health, Safety and Nutrition | 5 |
| ECED& 120 | Practicum-Nurturing Relationships | 2 |

## Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 115 | Child Development | 5 |
| EDUC& 130 | Guiding Behavior | 3 |

**Program outcomes**

Students who complete the Early Childhood Education Certificate should be able to:

- Document knowledge and understanding of essential aspects of NAEYC professional standards and competency areas with a focus on birth through age eight.
- Design developmentally appropriate early learning environments that support learning for children who are culturally, linguistically, and ability diverse.
- Identify, use, and refer individuals to credible professional resources to better serve children and families who are culturally, linguistically, and ability diverse.
- Plan and provide learning experiences with appropriate supporting educational materials for young children in the four Early Childhood settings: infant/toddler program, family/home child care program, preschool program and a kindergarten, 1st, 2nd or 3rd grade classroom.
- Modify and update practices by expanding and integrating behavior guidance knowledge and understanding.
- Apply knowledge and skills learned throughout the program to acquire, meet, or maintain state licensing regulations for employees, facilities, and programs.

# Early Childhood Education State Short Cert. - Home Visiting

**Degree Type**
Certificate of Accomplishment

*Offered at Wenatchee and Omak campuses*

Prerequisites for certificate of accomplishment options: qualifying test placement scores for ENGL 90 or READ 92 or above.

To be eligible for either of the associate degrees or the certificates, students must earn at least a "C" grade (2.0) in all ECE core courses and a cumulative 2.0 grade point average.

## Required Courses: State Short ECE Certificate for Home Visiting and Family Engagement

*This certificate program is not eligible for financial aid.*

| | | |
|---|---|---|
| | Total Credits | 20 |

**Course Sequencing**

## Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| ECED& 105 | Introduction to Early Childhood Education | 5 |
| ECED& 107 | Health, Safety and Nutrition | 5 |
| ECED& 120 | Practicum-Nurturing Relationships | 2 |

## Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 115 | Child Development | 5 |

## Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| ECED& 138 | Home Visiting & Family Engagement | 3 |

**Program outcomes**

Students who complete the Early Childhood Education Certificate should be able to:

- Document knowledge and understanding of essential aspects of NAEYC professional standards and competency areas with a focus on birth through age eight.
- Design developmentally appropriate early learning environments that support learning for children who are culturally, linguistically, and ability diverse.
- Identify, use, and refer individuals to credible professional resources to better serve children and families who are culturally, linguistically, and ability diverse.
- Plan and provide learning experiences with appropriate supporting educational materials for young children in the four Early Childhood settings: infant/toddler program, family/home child care program, preschool program and a kindergarten, 1st, 2nd or 3rd grade classroom.
- Modify and update practices by expanding and integrating home visiting and family engagement knowledge and understanding.
- Apply knowledge and skills learned throughout the program to acquire, meet, or maintain state licensing regulations for employees, facilities, and programs.

# Early Childhood Education State Short Cert. - Infants and Toddlers

**Degree Type**
Certificate of Accomplishment

*Offered at Wenatchee and Omak campuses*

Prerequisites for certificate of accomplishment options: qualifying test placement scores for ENGL 90 or READ 92 or above.

To be eligible for either of the associate degrees or the certificates, students must earn at least a "C" grade (2.0) in all ECE core courses and a cumulative 2.0 grade point average.

## Required Courses: State Short ECE Certificate of Specialization - Infants and Toddlers

*This certificate program is not eligible for financial aid.*

| | | |
|---|---|---|
| | Total Credits | 20 |

**Course Sequencing**

## Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| ECED& 105 | Introduction to Early Childhood Education | 5 |
| ECED& 107 | Health, Safety and Nutrition | 5 |
| ECED& 120 | Practicum-Nurturing Relationships | 2 |

## Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 115 | Child Development | 5 |
| ECED& 132 | Infant/Toddler Care | 3 |

**Program outcomes**

Students who complete the Early Childhood Education Certificate should be able to:

- Document knowledge and understanding of essential aspects of NAEYC professional standards and competency areas with a focus on birth through age eight.
- Design developmentally appropriate early learning environments that support learning for children who are culturally, linguistically, and ability diverse.
- Identify, use, and refer individuals to credible professional resources to better serve children and families who are culturally, linguistically, and ability diverse.
- Plan and provide learning experiences with appropriate supporting educational materials for infant and toddler classrooms.
- Modify and update practices by expanding and integrating infant and toddler knowledge and understanding.
- Apply knowledge and skills learned throughout the program to acquire, meet, or maintain state licensing regulations for employees, facilities, and programs.

# Early Childhood Education State Short Cert. - School Age Care

**Degree Type**
Certificate of Accomplishment

*Offered at Wenatchee and Omak campuses*

Prerequisites for certificate of accomplishment options: qualifying test placement scores for ENGL 90 or READ 92 or above.

To be eligible for either of the associate degrees or the certificates, students must earn at least a "C" grade (2.0) in all ECE core courses and a cumulative 2.0 grade point average.

## Required Courses: State Short ECE Certificate of Specialization - School Age Care

*This certificate program is not eligible for financial aid.*

| | | |
|---|---|---|
| | Total Credits | 20 |

**Course Sequencing**

## Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| ECED& 105 | Introduction to Early Childhood Education | 5 |
| ECED& 107 | Health, Safety and Nutrition | 5 |
| ECED& 120 | Practicum-Nurturing Relationships | 2 |

## Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 115 | Child Development | 5 |

## Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| EDUC& 136 | School Age Care Management | 3 |

**Program Outcomes**

Students who complete the Early Childhood Education Certificate should be able to:

- Document knowledge and understanding of essential aspects of NAEYC professional standards and competency areas with a focus on birth through age eight.
- Design developmentally appropriate early learning environments that support learning for children who are culturally, linguistically, and ability diverse.
- Identify, use, and refer individuals to credible professional resources to better serve children and families who are culturally, linguistically, and ability diverse.
- Plan and provide learning experiences with appropriate supporting educational materials for school-age (kindergarten through 3rd-grade) classrooms.
- Modify and update practices by expanding and integrating school-age (kindergarten through 3rd grade) knowledge and understanding.
- Apply knowledge and skills learned throughout the program to acquire, meet, or maintain state licensing regulations for employees, facilities, and programs.

# Electronics

**Degree Type**
Certificate of Completion
Associate of Applied Science Degree

The industrial technology - electronics program provides training for maintenance electricians and electronics technicians within industrial facilities such as wood processing plants, agricultural food storage and processing warehouses, manufacturing plants and hydroelectric power facilities. It also provides advanced-level training and skill improvement for plant electricians and other employees seeking to improve their work classification within their company on modern electronic circuits, programmable logic controllers (PLCs) and control systems.

Before entering the industrial technology - electronics program, students are strongly advised to complete one year of high school algebra or its equivalent. Prior to entry into the program, documentation of computer literacy, or BCT 105 or instructor permission is required. A current first aid card with CPR is required upon graduation. Coursework in computers and basic electricity/electronics is also beneficial prior to entering the program. If students are planning additional education beyond the WVC associate of applied science (AAS) degree, work closely with the program advisor as some electronics coursework may be transferable, and students may want to consider taking ENGL& 101 and college-level transfer math as part of the AAS degree.

To be eligible for the degree, students must earn at least a cumulative 2.0 grade point average. Core program courses may have prerequisite requirements. English and mathematics courses require qualifying placement scores or acceptable preparatory coursework in those subjects. See course descriptions for details. If students complete the industrial technology - electronics AAS degree, they can earn electrical hours toward the Washington State Labor and Industry (07) Nonresidential Maintenance Specialty Electrical License.

For more information about graduation rates, the median debt of students who completed the program and other information, visit wvc.edu/Industrial.

## Suggested Course Sequence:

***Associate of Applied Science Degree*** *(requires all first- and second-year courses)*
***Electronics Technician Certificate of Completion*** *(entire first year)*

*Offered at Wenatchee campus*

| | | |
|---|---|---|
| | Total Credits | 115-117 |

**Course Sequencing**

## First Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| ELTRO 101 | Basic DC-1 | 5 |
| ENGR 102 | Interpreting Engineering Graphics | 2 |
| | BCT 116 or CMST& 101 | 3.0-5 |
| ELEC 125 | Wiring Diagrams and Schematics | 5 |

## First Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| ENGR 105 | Computer-Aided Design (CAD) | 5 |
| ELEC 115 | Applied Electricity | 5 |
| ELTRO 121 | Digital Electronics | 5 |
| | MATH 100 or higher | 5.0 |

## First Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| | OCED 102 or higher or ENGL& 101 | 5.0 |
| OCED 130 | Industrial Safety | 5 |
| ELTRO 132 | Introduction to Computerized Controls and PLCs | 5 |
| ELEC 135 | Control Fundamentals | 5 |

**Total Credits for Electronics Technician Certificate of Completion: 55-57**

## Second Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| | CTS 110 or CTS 120 | 5.0 |
| ELTRO 202 | Intro to National Electric Code (NEC) | 2 |
| ELTRO 210 | Introduction to Programming TAG Based Software for PLCs | 5 |
| WELD 128 | Basic Welding | 3 |
| ELTRO 213 | Introduction to Graphic Interfacing PLCs | 5 |

## Second Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| ELTRO 220 | Control Devices and Robotics | 5 |
| ELTRO 221 | Graphic Interface Programs for PLCs | 5 |
| ELEC 225 | Industrial Electricity & Controls | 5 |
| ELTRO 223 | Programming Software for Tag-Based PLCs | 5 |

## Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| INDT 164 | Plant Maintenance | 5 |
| ELTRO 230 | Programmable Logic Controller Networks | 5 |
| ELTRO 231 | Troubleshooting Electronic PLC Control Systems | 5 |
| ELTRO 240 | Industrial Hydraulics & Pneumatics | 5 |

*MATH 100, OCED 102, ENGL& 101: Placement score required.*

**Program outcomes**

Students should be able to:

- Correctly and safely use a variety of electrical testing equipment.
- Comprehend printed installation and service literature for complex electrical equipment.
- Effectively use standardized automation software such as Rockwell Software or Siemens.
- Communicate with other professions and the general public using terminology appropriate for the electrical service industry.
- Establish or critique an existing electrical maintenance program.
- Recognize different computer network strategies used with electronic control systems.
- Accrue hours toward a Washington state electrical license.
- Acquire training and education to seek employment or advance in current employment.
- Develop a foundation to continue their studies.

BCT 116 or CMST& 101

**Elective Credits** 3.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| BCT 116 | Professional Work Relations | 3 |
| CMST& 101 | Introduction to Communication | 5 |

MATH 100 or higher

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| MATH 100 | Tech Math for Industrial Field | 5 |

OCED 102 or higher or ENGL& 101

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| OCED 102 | Writing In The Workplace | 5 |
| ENGL& 101 | Composition: General | 5 |

CTS 110 or CTS 120

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CTS 110 | Computer Hardware | 5 |
| CTS 120 | Introduction to Networking | 5 |

# Emergency Medical Technician (EMT)

**Degree Type**
Certificate of Completion

Learn the roles and responsibilities of the emergency medical technician according to National EMS Education standards and requirements. Develop skills in patient evaluation and other emergency medical procedures. Upon successful completion, students are eligible for National Registry Exam to qualify for state certification after meeting the Washington state requirement of employment.

**Note: Conviction of certain crimes may prevent completion of the clinical class requirements of the program and may prevent future licensure and employment in health care.** A criminal record check is required prior to any clinical training experience or clinical field trips. Students who have a criminal record must meet with the WVC Dean of Allied Health to determine if the criminal history would prevent access to a health care facility. Call 509-682-6660 for more information.

## Suggested Course Sequence: Certificate of Completion

| | | |
|---|---|---|
| | Total Credits | 13 |

**Course Sequencing**

## Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| EMT 151 | Emergency Medical Technician | 13 |

**Prerequisites:**

- American Heart Association HCP CPR

**Entrance Requirements**

- Proof of being at least 17 years of age at the beginning of the course enrollment (proof required). The Washington state requirement for entrance into the EMT course is 17 years of age.
- EMT certification usually requires that EMTs are 18 years of age.
- Provide a copy of high school, GED®, or college transcript showing high school completion.
- Have the physical strength to carry, lift, extricate and perform similar maneuvers in a manner not detrimental to the patient, fellow emergency technicians, or self. Students will be required to have a physical and signed doctor's note.
- Current American Heart Association Health Care Provider (HCP) card or American Safety & Health Institute Provider ASHI (HCP) card (card must be current through entire quarter).
- Successfully pass a national background check through Complio and a DSHS background check. Certain crimes can disqualify students from attending clinical sites. Contact the Allied Health department at 509-682-6660 if you have concerns.
- Verification of required immunizations and accident insurance. See list of required immunizations and plan accordingly.

**Program Outcomes**

After successful completion of the EMT Certificate Program, the student should be able to:

- Apply to take the National Registry EMT Exam, eligibility in Washington state.
- Establish differential diagnoses based upon patient presentation within a theoretical framework of emergency medical care.
- Develop and execute treatment plans according to working differential diagnoses.
- Evaluate responses of patients to emergency medical care, making changes when necessary in

treatment plans of care, independently or in consultation with emergency medical service colleagues and/or physician medical direction.
- Assess learning needs, readiness and motivation of individual clients, families and aggregates in relation to health promotion, maintenance and restoration.
- Formulate and implement teaching plans for individual patients, families and aggregates.
- Develop treatment plans in accordance with the best interest and wishes of the patient.
- Communicate and support the patient's best interest to the patient, patient family, emergency medical service colleagues, and other healthcare providers.
- Establish a rapport with patient, family, and caregivers to facilitate effective patient assessment and treatment.
- Establish and implement effective verbal and written communication practices to ensure continuity of patient care.
- Function as unit leader to direct emergency medical service colleagues and first responders to ensure excellent and efficient patient care.
- Assume various roles within the incident command system.
- Base practice upon the legal boundaries and ethical frameworks within the scope of own practice.
- Assume responsibility for continued learning as a means of growth, development and maintenance of competence within the scope of own practice and according to certification requirements.
- Work within established policy and procedures of employing agency, recognizing polices and protocols that may impede patient care and works within the organization framework to initiate change.

# Engineering Technology

**Degree Type**
Associate in Applied Science-Transfer Degree

Wenatchee Valley College's Engineering Technology AAS-T is a two-year program geared for today's high technology-based job market. It closely couples electrical and automation principles with high-level math and science coursework. The degree's primary focus is to have graduates that can integrate complex repairs and upgrades fresh off the planning stage and see them to completion. This degree can offer students three paths to follow after graduation:

- The first path: Technician level employment. The two-year degree earning student will be qualified for similar employment as our ATS graduates in INDT- Industrial Electricity. With the increased quantity of college-level courses, these graduates should be more apt to take on leadership roles within their chosen fields.
- The second path: This degree allows seamless transfer into our four-year BAS-ET program. It encompasses all the classes required to make the BAS-ET program a true four-year time investment.
- The third path: With the addition of two extra quarters of course work, the AAS-T degree will provide the student with enough credits to also earn a two-year transfer degree (DTA). The DTA will allow them to pursue engineering or similar degree at other four- year institutions.

## Suggested Course Sequence: Associate in Applied Science-Transfer Degree Program

*Offered at Wenatchee campus*

| | | |
|---|---|---|
| | Total Credits | 110 |

**Course Sequencing**

## First Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| ELEC 115 | Applied Electricity | 5 |
| MATH& 141 | Precalculus I | 5 |
| PHYS& 114 | General Physics I w/Lab | 5 |

## First Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| ELTRO 121 | Digital Electronics | 5 |
| ELEC 125 | Wiring Diagrams and Schematics | 5 |
| MATH& 142 | Precalculus II | 5 |
| PHYS& 115 | General Physics II w/Lab | 5 |

## First Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| ELEC 135 | Control Fundamentals | 5 |
| ELTRO 132 | Introduction to Computerized Controls and PLCs | 5 |
| MATH& 146 | Introduction to Statistics | 5 |
| PHYS& 116 | General Physics III w/Lab | 5 |

## Second Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 161 | General Chemistry I | 5 |
| CMST& 220 | Public Speaking | 5 |
| ENGL& 101 | Composition: General | 5 |
| ELTRO 101 | Basic DC-1 | 5 |

## Second Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 162 | General Chemistry II | 5 |
| ELTRO 220 | Control Devices and Robotics | 5 |
| ENGL& 235 | Technical Writing | 5 |
| ENGR 105 | Computer-Aided Design (CAD) | 5 |

## Second Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 163 | General Chemistry III | 6 |
| ELTRO 240 | Industrial Hydraulics & Pneumatics | 5 |
| ENGR 106 | Computer Aided Design: Solid Modeling | 4 |

**Program outcomes:**

Graduates of the AAS-T degree program at WVC should:

- Be able to apply their knowledge of the discipline to identify, analyze, synthesize, and solve problems within the field of engineering technology.
- Possess the technical skills to be immediately productive in the workforce and have successful careers in regional, state, or national electronic and mechanical product and system development industries.
- Utilize effective management methods with a commitment to quality, timeliness, and efficiency.
- Be able to successfully communicate in oral, written, and visual modalities.
- Demonstrate increasing levels of leadership and responsibility during their careers.
- Have demonstrated professionalism and ethics understanding, respect for diversity, and awareness of societal and global issues.
- Display a desire and commitment for life-long learning through continued education, technical training, and/ or professional development.

**Pre-enrollment requirements**

- MATH 99 with a "B" (3.0) or better, MATH 140, or appropriate placement score.
- Appropriate assessment scores in language usage and reading or a grade of “C” (2.0) or higher in ENGL 97 or a grade of “B-” (2.7) or higher in ABE 19 or a grade of “B” (3.0) or higher in the Bridge-to-College English Language Arts course or a grade of “3” or higher on the Smarter Balanced exam.
- One year of high school chemistry or CHEM& 121, or a grade of “3” or higher on the Smarter Balanced exam or instructor’s permission.

**Additional requirements:**

- To be eligible for the AAS-T degree, students must earn at least a “C” grade (2.0) and a cumulative 2.0 grade point average.
- The courses listed under the suggested course sequence must be part of the 90-course credits.

# Environmental Systems and Refrigeration Technology (ESRT)

**Degree Type**
Certificate of Completion
Associate of Applied Science Degree

The environmental systems and refrigeration technology (ESRT) program at WVC offers a high level of instruction and prepares graduates to seek a wide variety of entry-level jobs. These include service technicians, mechanics, maintenance personnel, application engineers, electronic temperature controls specialists and environmental systems designers. Positions may be available in agricultural storage facilities, data centers, office buildings, shopping malls, schools, industrial plants and many other facilities around the world.

The ESRT program blends traditional classroom instruction with practical, hands-on lab work. Classes include refrigeration principles, applied electricity, air conditioning, heat pump systems, control fundamentals, DDC (Direct Digital Controls) and BAS (Building Automation Systems), HVAC (Heating, Ventilation, Air Conditioning) controls, boiler systems, and basic welding. Additional course work emphasizing energy efficiency includes efficient HVAC systems, energy load calculations, data center operations, emergency power systems, commissioning and TAB (Test, Adjust and Balancing). It is recommended that students start the program in fall quarter. The second year of the program is designed to allow students to work full time while in the program, by taking courses at night and short seminars offered on Thursdays/ Fridays and/or evenings. The final quarter of the program includes an internship and an independent capstone project emphasizing students’ career aspirations. With permission, some on-the-job training internships may be substituted for lab work.

Before entering the ESRT program, students are strongly advised to complete one year of high school algebra or its equivalent. Course work in computers, basic electricity/ electronics and welding are also beneficial prior to entering the program.  If students complete the ESRT associate of technical science (AAS) degree, they can earn electrical hours toward the Washington State Labor & Industry (06A) Electrical HVAC Specialty License. Upon graduation, students are also expected to

have the OSHA 10 (Occupational Safety & Health Administration) HVAC safety card, the EPA (Environmental Protection Agency) 608 Refrigerant Handling Universal License and a current first aid card with CPR.

## Suggested Course Sequence:

***Associate of Applied Science Degree*** *(requires all first-and second-year courses)*
***Basic HVACR and Controls Certificate of Completion*** *(complete all three quarters of first-year classes)*
***Commercial/Industrial HVACR and DDC Controls Certificate of Completion*** *(complete all three quarters of second-year classes, plus OCED 102* or higher, MATH 100* or higher, and BCT 116 or their equivalents)*

*Offered at Wenatchee campus*

| | | |
|---|---|---|
| | Total Credits | 102 |

**Course Sequencing**

## First Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| ELEC 115 | Applied Electricity | 5 |
| ESRT 102 | OSHA 10 Safety Principles | 1 |
| ESRT 110 | Refrigeration Principles | 5 |
| ESRT 114 | Refrigerant Recovery/Recycle | 1 |
| BCT 116 | Professional Work Relations | 3 |

## First Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| ELEC 125 | Wiring Diagrams and Schematics | 5 |
| ESRT 120 | Heating Systems | 5 |
| ESRT 121 | Intro to Data Center Operations | 5 |
| | MATH 100 or higher | 5.0 |

## First Year - Spring Quarter

*OCED 102: Placement score required.*

| Course ID | Title | Credits |
|---|---|---|
| ESRT 130 | Air Conditioning & Heat Pumps | 5 |
| ESRT 131 | Ductless and VRF/VRV Heat Pump Systems | 5 |
| OCED 102 | Writing In The Workplace | 5 |
| WELD 128 | Basic Welding | 3 |

**Total Credits for Basic HVACR and Controls Certificate of Completion: 53**

## Second Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| ELTRO 202 | Intro to National Electric Code (NEC) | 2 |
| ENGR 102 | Interpreting Engineering Graphics | 2 |
| ESRT 136 | Indoor Air Quality | 2 |
| ESRT 200 | Commercial HVACR Equipment | 5 |
| ESRT 215 | Commercial DDC/BAS HVAC Controls | 5 |

## Second Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| ELEC 225 | Industrial Electricity & Controls | 5 |
| ESRT 210 | Commercial Boiler and Chiller Systems | 3 |
| ESRT 220 | Industrial Refrigeration Systems | 5 |
| ESRT 223 | Design and Load Applications | 2 |
| ESRT 226 | Adv Programming and BAS/ HVAC Graphics | 3 |

## Second Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| ESRT 230 | Industrial Refrigeration Maintenance and Safety | 2 |
| ESRT 238 | HVAC Commissioning, Leed and Tab Testing | 3 |
| ESRT 260 | Emergency UPS ATS Power and Generator Systems | 3 |
| ESRT 295 | Capstone HVACR Project | 2 |
| ESRT 296 | Cooperative Work Experience | 1-5 |

**Total Credits for Commercial/Industrial HVACR and DDC/BAS Controls Certificate of Completion: 49**

(To receive the Commercial / Industrial HVACR and DDC Controls Certificate of Completion, you must complete all three quarters of second-year classes, plus OCED 102 or higher, MATH 100 or higher, and BCT 116 or their equivalents)

**Total Credits for Associate of Applied Science Course Sequencing: 102**

**Program outcomes**

Students who complete the AAS in Environmental Systems and Refrigeration Technology will have the skills and knowledge to:

- Obtain a 608 refrigerant license for employment and a Washington State HVACR specialty electrical 06A license.
- Work in the refrigeration or HVAC industries as an entry level employee.

- Demonstrate the ability to work on refrigeration control circuits
- Troubleshoot an air conditioning and heat pump system.
- Service commercial refrigeration equipment
- Practice on the job safety precautions as it relates to refrigeration systems, including lock out tag out, fall prevention, and arc flash protection.
- Become employed in the HVACR industries using skills and techniques geared toward the refrigeration industry jobs
- Intelligently discuss various type of HVACR systems during a job interviews
- Obtain a RETA CARO entry-level license.

The ESRT two-year AAS degree qualifies students to work in many various areas of the refrigeration industry including residential, commercial, institutional, and industrial as installers, operators, and maintenance personnel.

MATH 100 or higher

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| MATH 100 | Tech Math for Industrial Field | 5 |

# Gaming Operations Supervisor

**Degree Type**
Certificate of Completion

The tribal gaming industry in Okanogan and Chelan counties has expanded significantly in recent years, causing an increased need for a trained and skilled workforce. The gaming operations supervisor certificate is intended to train entry-level supervisors and mid-level managers. Students enrolled in this certificate will increase their knowledge, understanding and critical skills in business leadership and human resource management and develop their interpersonal communication skills.

## Required Courses: Certificate of Completion

*Offered at the Omak campus*

| | |
|---|---|
| Total Credits | 18 |

**Course Sequencing**

## Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| CMST& 210 | Interpersonal Communication | 5 |
| BUS 196 | Cooperative Work Experience | 1-5 |

## Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| BUS 177 | Business Leadership Development | 5 |
| BUS 196 | Cooperative Work Experience | 1-5 |

## Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| BUS 243 | Human Resources Management | 5 |
| BUS 196 | Cooperative Work Experience | 1-5 |

**Program outcomes**

Students who complete the Gaming Operations Supervisor Certificate should be able to:

- Demonstrate their own proficiency in personal and professional communication.
- Apply strategies for understanding and improving interpersonal relationship dynamics.
- Understand their individual leadership style strengths and weaknesses.
- Possess a foundational level understanding of mentoring and coaching.
- Understand the human resource manager's role and their interaction with other managers.
- Have had authentic experiences applying knowledge and skills learned in the classroom in the gaming environment.

# Medical Assistant

**Degree Type**
Certificate of Completion

The medical assistant program is a four-quarter, limited-enrollment program that prepares students to support healthcare professionals in a variety of healthcare settings. The medical assistant performs duties in both direct patient care (assisting with patient examinations and treatments, administering medication and monitoring patient response) and administrative procedures (maintaining medical records, reception, scheduling appointments and handling insurance and billing procedures). Upon successfully completing the medical assistant program, students will be awarded a

certificate of completion and be eligible to apply for the national AAMA certification examination. Information is available at www.aama-ntl.org/.

The WVC Medical Assistant Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org, 25400 U.S. Highway 10 North, Suite 158, Clearwater, FL 33763, Phone: 727-210- 2350) upon the recommendation of the Medical Assisting Curriculum Review Board of the American Association of Medical Assistants Endowment (www.maerb.org).

For more information about graduation rates, the median debt of students who completed the program and other important information, visit www.wvc.edu/ma.

## Suggested Course Sequence: Certificate Program

*Offered at Wenatchee campus and Omak campus*

| | | |
|---|---|---|
| | Total Credits | 60 |

**Course Sequencing**

## First Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| MA 110 | Medical Office I | 5 |
| MA 113 | Universal Precautions and Bloodborne Pathogens | 1 |
| MA 115 | Clinical Procedures | 7 |
| MA 118 | Medical Law and Ethics | 2 |

## First Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| MA 120 | Medical Office II | 5 |
| MA 125 | Clinical Procedures II | 7 |
| MA 111 | Body Structure & Function | 5 |

## First Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| MA 116 | Office Communications | 3 |
| MA 112 | Pharmacology | 5 |
| MA 135 | Clinical Procedures III | 7 |
| BCT 116 | Professional Work Relations | 3 |

## First Year - Summer Quarter

| Course ID | Title | Credits |
|---|---|---|
| MA 260 | Practicum/Externship for Health Care Assistant | 8 |
| MA 265 | Practicum Seminar | 2 |

**Entry requirements include:**

- A completed WVC Application for Admission.
- A completed supplemental application for admission to the WVC Medical Assistant Program.
- Sealed, official high school transcript or GED transcript.
- Sealed, official college transcripts from all colleges where the student has earned credit (excluding WVC).
- A cumulative college grade point average of 2.5 or higher.
- Verification of current healthcare provider CPR training (copy of HCP card) and verification of current first aid training (copy of card). CPR cards must be renewed every two years.
- All prerequisites completed by the end of spring quarter with a "C" (2.0) or higher (see the website for requirements, wvc.edu/MA). See course descriptions for prerequisites:
    - One of the following: ENGL 97 Composition: Paragraph or higher, or one year of high school English
    - One of the following: MATH 92 Intro to Technical Mathematics or higher, one year of high school algebra, or placement into MATH 93 or higher
    - One of the following: BCT 100 Basic Computer Keyboarding, BCT 105 Computer Applications, documentation of computer literacy in MS Office or ENGL& 101 Composition: General
    - One of the following: PSYC& 100 General Psychology or PSYC& 200 Lifespan Psychology
    - HLTH 123 Medical Terminology.

Clinical courses require attendance during evenings and on Saturdays. The fourth-quarter externship/practicum is an unpaid, supervised, on-the-job work experience of 160 hours, which will require daytime hours. Students must furnish their own transportation. Students must pass all classes with a "C" (2.0) or better.

"C-" (1.7) is not accepted in any healthcare course. Attendance is required for the medical assistant program. Each class has an attendance policy. Cheating/academic dishonesty in any way is cause for dismissal from the medical assistant program.

**Note: Conviction of certain crimes may prevent completion of the clinical course requirements of the program and may prevent future licensure and employment in the healthcare field.** A criminal record check is required prior to any clinical training experience or clinical field trips. Students who have a

criminal record should meet with the dean of allied health to determine if the criminal history would prevent access to a healthcare facility.

**Immediately following acceptance to an allied health program students must fulfill the following requirements:**

- Pay a non-refundable acceptance fee by the designated deadline.
- Provide a copy of seven contact-hour course – Washington State HIV/AIDS Certificate. An online class is offered through www.nursingceu.com.
- Provide documentation of immunizations to the student immunization tracker (for a complete list go to www.wvc.edu/alliedhealth).
- Provide verification of major medical insurance (accident/injury) for participation in clinical learning experiences. Students should expect to pay an additional fee for this mandatory student insurance, unless they are currently covered by an insurance carrier and can provide proof of insurance. Students have the option to purchase the Washington State Community College insurance. Obtain a brochure at the cashier's station or at 4studenthealth.relationinsurance.com.
- Provide background check information to provide clearance for participation in required clinical learning experiences. National background checks must go back at least six years and be submitted within 45 days of acceptance into the program. Students will be required to purchase a background check through Complio.
- Provide results of a ten-panel drug test, not older than 45 days, from Complio.
- Complete the allied health packet, which includes: student disclosure form, a child and adult abuse information act disclosure statement, medical record form, student release form and student confidentiality form.
- Liability insurance is calculated into tuition and fees annually at the time of registration.
- Physical requirements include: ability to lift 50 pounds, carry 20 pounds, sit for four hours and stand for eight to twelve hours.

**Note:** Required documents are to be submitted to the student immunization tracker.

**Program outcomes**

The medical assistant program prepares students to support healthcare professionals in a variety of healthcare settings. The medical assistant performs duties in both direct patient care and administrative procedures. Graduates of the WVC Medical Assistant program will:

- Demonstrate caring and respectful communication as a medical assistant.
- Demonstrate competence in administrative duties as a medical assistant.
- Demonstrate competence in clinical duties as a medical assistant.
- Practice medical assisting collaboratively.
- Obtain employment in a variety of healthcare settings.
- Incorporate critical thinking in practice as a medical assistant.
- Demonstrate standard safety and emergency practices and procedures as a medical assistant.
- Display professionalism in their appearance, job performance, and ability to work as team members.
- Provide patient education and current community resource information.
- Practice medical assisting according to AAMA Code of Ethics.

# Medical Laboratory Technology

**Degree Type**
Associate of Applied Science Degree

The MLT program is broken up by year (first year and second year). Entry into the second year is on a competitive basis. Applications to the second year are accepted every spring, and students are qualified to apply if they are on track to complete all first year classes by the start of the second year (which starts every summer quarter). During the first year, students will take general education courses and specialized medical laboratory courses designed to provide a solid base for the second year of on-the-job training. The second year consists mostly of on-site training in medical laboratories, plus theory courses. Travel to distant training facilities may be required, and work on a variety of shifts may be necessary; therefore, the use of an automobile is required. Access to an up-to-date computer and a reliable internet connection are required. A GPA of 2.0 ("C") or better is required in all MLT program courses.

As a result of completing the MLT program, students will obtain a background in general college courses, especially the sciences, and develop the important employable skills required to perform medical laboratory testing.

# Suggested Course Sequence: Associate of Applied Science Degree Program

First-year coursework must be completed before starting the second-year coursework. Refer to the first-year checklist on the MLT website for more details, www.wvc.edu/mlt.

Some courses have prerequisites. See the course descriptions for more information. Content delivery between campuses may include instructions via online.

| | | |
|---|---|---|
| | Total Credits | 128 |

**Course Sequencing**

## First Year

| Course ID | Title | Credits |
|---|---|---|
| CHEM& 121 | Introduction to Chemistry | 5 |
| CHEM& 131 | Introduction to Organic/ Biochemistry | 5 |
| BIOL& 241 | Human Anatomy & Physiology I | 5 |
| BIOL& 242 | Human Anatomy & Physiology II | 5 |
| BIOL& 260 | Microbiology | 5 |
| ENGL& 101 | Composition: General | 5 |
| | Social Science (choose one) | 5.0 |
| | Humanities (choose one) | 5.0 |
| | MATH 99 or higher | 5.0 |
| HLTH 123 | Medical Terminology | 3 |
| MLT 100 | Introduction to Medical Laboratory Technology | 1 |
| MLT 102 | Phlebotomy | 1 |

## Second Year

## Summer Quarter

| Course ID | Title | Credits |
|---|---|---|
| MLT 150 | Basic Lab Theory | 5 |
| MLT 151 | Basic Lab Practice & Phlebotomy | 3 |

## Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| MLT 210 | Clinical Experience I | 10 |
| MLT 213 | Hematology | 7 |
| MLT 214 | Hematology Lab | 3 |

## Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| MLT 220 | Clinical Experience II | 10 |
| MLT 223 | Clinical Microbiology | 7 |
| MLT 224 | Clinical Microbiology Lab | 3 |

## Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| MLT 230 | Clinical Experience III | 10 |
| MLT 233 | Clinical Chemistry and Urinalysis | 7 |
| MLT 234 | Clinical Chemistry Lab | 3 |

## Summer Quarter

| Course ID | Title | Credits |
|---|---|---|
| MLT 240 | Clinical Experience IV | 10 |

**Selection to the second year of the program:**

Applications to the second year are accepted every spring, and students are qualified to apply if they are on track to complete all first-year classes (also called prerequisites) by the start of the second year (which starts every summer quarter). Students must successfully complete first-year courses before being permitted to continue with the second year of the program. An interview and letters of recommendation may be a part of the acceptance criteria. The number of positions available in the second year is dependent on the number of clinical training sites available, and therefore competitive.

**Application Requirements:**

- Complete the WVC Application for Admission.
- Complete the appropriate MLT application.
- Provide official college transcripts (excluding WVC transcripts).
- Demonstrate a cumulative college GPA of 2.5 or higher.
- Complete one of the following: MATH 99 Intermediate Algebra or higher or placement into MATH& 107 Math in Society or higher.
- Complete all first year coursework with a grade of "C" (2.0) or higher no later than the spring quarter before the second year of the program begins.
- CHEM& 121 Intro. to Chemistry
- CHEM& 131 Intro. to Organic/Biochemistry
- BIOL& 241 Human Anatomy & Physiology 1
- BIOL& 242 Human Anatomy & Physiology 2
- BIOL& 260 Microbiology
- ENGL& 101 Composition: General
- HLTH 123 Medical Terminology
- One Social Science course

- One Humanities course
- MLT 100 Intro. to Medical Laboratory Technology
- MLT 102 Phlebotomy

**Note: Conviction of certain crimes may prevent completion of the clinical course requirements of the program and may prevent future employment in the healthcare field.** A criminal record check is required prior to any clinical training experience or clinical field trips. Students who have a criminal record should meet with the dean of allied health to determine if the criminal history would prevent access to a healthcare facility.

***Students with a bachelor's degree should visit the MLT Admission website at www.wvc.edu/mlt for special admission requirements.***

**Immediately following acceptance to an allied health program students must fulfill the following requirements:**

- Pay a non-refundable acceptance fee by the designated deadline.
- Provide a current healthcare provider CPR card. Must include but not be limited to first aid/ CPR/AED for adult, children and infants. The CPR card must be issued by a person or facility qualified specifically to instruct CPR for healthcare providers.
- Provide documentation of a two-step PPD (two separate tuberculin skin tests placed one to three weeks apart) and Hepatitis B vaccinations. Both must include vaccine lot numbers.
- Provide documentation of immunizations to the student immunization tracker (for a complete list go to www.wvc.edu/alliedhealth).
- Successfully pass a national background check through Complio and a DSHS background check. Certain crimes can disqualify students from attending clinical sites. Please contact the Allied Health department at 509-682-6660 with questions.
- Provide results of a ten-panel drug test, not older than 45 days, from Complio.
- Complete the allied health packet, which includes: student disclosure form, a child and adult abuse information act disclosure statement, medical record form, student release form and student confidentiality form.
- Liability insurance is calculated into tuition and fees annually at the time of registration.
- Personal health insurance

**Note:** Required documents are to be submitted to the student immunization tracker.

**Program outcomes**

Upon successful completion of the Medical Laboratory Technician program, the student should be able to:

- Perform routine clinical laboratory procedures, including quality control, on biological specimens in the areas of Hematology, Hemostasis, Immunohematology, Clinical Chemistry, Microbiology, Serology and Urinalysis under the supervision of a medical laboratory scientist or pathologist.
- Relate laboratory findings to common disease processes.
- Demonstrate knowledge of laboratory safety, standard precautions, HIPAA, and other laboratory standards necessary to protect themselves and others.
- Apply critical thinking and problem-solving techniques to identify and correct procedural and instrument errors, and verify the accuracy of laboratory results obtained.
- Demonstrate effective communication skills to serve the needs of patients, the public, and all members of the health care team.

## Social Science (choose one)

**Elective Credits** 5.0

## Humanities (choose one)

**Elective Credits** 5.0

## MATH 99 or higher

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| MATH 99 | Intermediate Algebra | 5 |

# Multi-Occupational Trades

**Degree Type**
Associate of Applied Science Degree

**(Apprentice Degree)**

The primary function of the multi-occupational trades associate of applied science program is to provide journey-level workers with additional related education designed to prepare them for advancement and management-level positions in their chosen field. Candidates will have accomplished the stringent requirements of each individual trade prior to entry into the program. Students graduating from this program will

have attained their degree through a combination of technical skills obtained in an approved apprenticeship program (a minimum of 6,000 clock hours), theory and practical applications learned in apprenticeship-related courses (at least 432 clock hours) and instruction received in related education and elective courses at WVC.

## Program Requirements: Associate of Applied Science Degree

*This program is not eligible for financial aid.*
*Offered at the Wenatchee campus*

## Required Courses

| Course ID | Title | Credits |
|---|---|---|
| | MATH 100 or higher | 5.0 |
| | OCED 102 Writing in the Workplace/Technical English or Higher | 5.0 |
| BCT 116 | Professional Work Relations | 3 |
| BCT 105 | Computer Applications | 5 |

## Electives

**Choose 12 credits from:**

| Course ID | Title | Credits |
|---|---|---|
| BCT 100 | Basic Computer Keyboarding | 2 |
| BUS& 101 | Introduction to Business | 5 |
| CMST& 101 | Introduction to Communication | 5 |
| MATH& 146 | Introduction to Statistics | 5 |
| PSYC 102 | Psychology of Adjustment | 5 |
| OCED 101 | Technical Reading | 5 |
| SDS 101 | Study Skills | 5 |
| SDS 106 | Career and Life Planning | 3 |

*OCED 102, MATH& 146, OCED 101, SDS 101: Placement score required.*

| | | |
|---|---|---|
| | Total Credits | 30 |

### MATH 100 or higher

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| MATH 100 | Tech Math for Industrial Field | 5 |

### OCED 102 Writing in the Workplace/ Technical English or Higher

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| OCED 102 | Writing In The Workplace | 5 |

# Pathway for Agribusiness

**Degree Type**
Associate of Applied Science Degree

## Required Courses: Associate in Applied Science Degree Pathway

*Offered at Wenatchee campus*

**Required courses: transfer and non-transfer degrees**

## Required Courses (for transfer and non-transfer) Credits

| Course ID | Title | Credits |
|---|---|---|
| | AGRI 101 or AGRI 108 or AGRI 105 | 3.0 |
| AGRI 161 | Introduction to Plant Science | 2 |
| AGRI 162 | Introduction to Soils | 3 |
| AGRI 254 | Integrated Pest Management | 5 |
| AGRI 261 | Introduction to Plant Science | 5 |
| AGRI 263 | Soils | 5 |

## Courses chosen based on student's emphasis or pathway:

| Course ID | Title | Credits |
|---|---|---|
| | Business courses will replace some introductory and core AGRI courses— see advisor | 58.0 |
| ENGL& 101 | Composition: General | 5 |
| | College Level Math | 5.0 |
| CHEM& 110 | Chemical Concepts | 5 |
| CHEM& 121 | Introduction to Chemistry | 5 |
| BIOL& 100 | Survey of Biology | 5 |
| CMST& 220 | Public Speaking | 5 |

*ENGL& 101, College-level transfer math, CHEM& 121: Placement score required*

| | | |
|---|---|---|
| | Total Credits | 98 |

### AGRI 101 or AGRI 108 or AGRI 105

**Elective Credits** 3.0

| Course ID | Title | Credits |
|---|---|---|
| AGRI 101 | Introduction to Agriculture | 3 |
| AGRI 108 | Introduction to Horticulture | 3 |
| AGRI 105 | Agricultural Mechanics | 3 |

Business courses will replace some introductory and core AGRI courses— see advisor

**Elective Credits** 58.0

### College Level Math

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| MATH& 107 | Math In Society | 5 |
| MATH 140 | Precalculus for Business and Social Sciences | 5 |
| MATH& 141 | Precalculus I | 5 |
| MATH& 142 | Precalculus II | 5 |
| MATH& 146 | Introduction to Statistics | 5 |
| MATH& 148 | Business Calculus | 5 |
| MATH& 151 | Calculus I | 5 |
| MATH& 152 | Calculus II | 5 |
| MATH& 153 | Calculus III | 5 |
| MATH 200 | Finite Mathematics | 5 |
| MATH& 254 | Calculus IV | 5 |

# Pathway for General Agriculture

**Degree Type**
Associate of Applied Science Degree

## Required Courses: Associate of Applied Science degrees

## Introductory Courses

| Course ID | Title | Credits |
|---|---|---|
| | AGRI 101 or AGRI 108 | 3.0 |
| AGRI 161 | Introduction to Plant Science | 2 |
| AGRI 162 | Introduction to Soils | 3 |

## Core Courses

| Course ID | Title | Credits |
|---|---|---|
| AGRI 254 | Integrated Pest Management | 5 |
| AGRI 261 | Introduction to Plant Science | 5 |
| AGRI 263 | Soils | 5 |

## Emphasis Courses

| Course ID | Title | Credits |
|---|---|---|
| | 200-Level AGRI Courses | 20.0 |
| | Approved Electives | 20.0 |

## General Courses

| Course ID | Title | Credits |
|---|---|---|
| OCED 102 | Writing In The Workplace | 5 |
| | MATH 92 Intro to Applied Math or higher | 5.0 |
| BUS& 101 | Introduction to Business | 5 |
| BIOL& 100 | Survey of Biology | 5 |
| BCT 105 | Computer Applications | 5 |
| CMST& 220 | Public Speaking | 5 |
| | Total Credits | 93 |

*OCED 101: Placement score required*

### AGRI 101 or AGRI 108

**Elective Credits** 3.0

| Course ID | Title | Credits |
|---|---|---|
| AGRI 101 | Introduction to Agriculture | 3 |
| AGRI 108 | Introduction to Horticulture | 3 |

### 200-Level AGRI Courses

**Elective Credits** 20.0

### Approved Electives

**Elective Credits** 20.0

(may include up to 10 credits in Cooperative Work Experience)

### MATH 92 Intro to Applied Math or higher

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| MATH 92 | Introduction to Applied Math | 5 |

# Pathway for General Agriculture

**Degree Type**
Associate in Applied Science-Transfer Degree

## Required Courses: Associate in Applied Science-Transfer Degree

## Introductory Courses

| Course ID | Title | Credits |
|---|---|---|
| | AGRI 101 or AGRI 108 | 3.0 |
| AGRI 161 | Introduction to Plant Science | 2 |
| AGRI 162 | Introduction to Soils | 3 |
| AGRI 130 | Agricultural Technologies | 3 |

## Core Courses

| Course ID | Title | Credits |
|---|---|---|
| AGRI 254 | Integrated Pest Management | 5 |
| AGRI 261 | Introduction to Plant Science | 5 |
| AGRI 263 | Soils | 5 |

## Elective Courses

| Course ID | Title | Credits |
|---|---|---|
| | Approved AGRI 200-level electives ( 40 credits) | 40.0 |

## General Courses

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |
| MATH& 107 | Math In Society | 5 |
| CHEM& 121 | Introduction to Chemistry | 5 |
| ECON& 201 | Micro Economics | 5 |
| CMST& 220 | Public Speaking | 5 |

*ENGL& 101, MATH& 107, CHEM& 121: Placement score required*

*Associate in Applied Science-Transfer Degree: the AAS-T is built upon the the technical courses required for job preparation but also includes a college-level general education component, common in structure for all such degrees. The distinguishing characteristic of the AAS-T is a minimum of 20 credits of general education courses drawn from the same list as those taken by students completing the Direct Transfer Agreement (DTA) associate degree or the Associate in Science-Transfer (AS-T) degree (that is, the courses generally accepted in transfer). AAS-T courses are designed for the dual purpose of immediate employment and as preparation for the junior year in a bachelor's degree commonly described as the bachelor of applied science (BAS). The AAS-T degree generally will not be accepted in transfer in preparation for bachelor of arts or bachelor of science degrees, although the general education component of the degree will be accepted in transfer. (State Board for Community and Technical Colleges)*

| | | |
|---|---|---|
| | Total Credits | 91 |

AGRI 101 or AGRI 108

**Elective Credits** 3.0

| Course ID | Title | Credits |
|---|---|---|
| AGRI 101 | Introduction to Agriculture | 3 |
| AGRI 108 | Introduction to Horticulture | 3 |

Approved AGRI 200-level electives ( 40 credits)

**Elective Credits** 40.0

# Pathway for General Agriculture

**Degree Type**
Associate in Applied Science-Transfer Degree with WSU

## Required Courses: Associate in Applied Science-Transfer Degree with WSU

This degree transfers to the Washington State University College of Agricultural, Human and Natural Resource Sciences (CAHNRS) Bachelor of Science in Agriculture and Food Systems (AFS), Agricultural Education major.

## Introductory Courses

| Course ID | Title | Credits |
|---|---|---|
| AGRI 101 | Introduction to Agriculture | 3 |
| AGRI 161 | Introduction to Plant Science | 2 |
| AGRI 162 | Introduction to Soils | 3 |

## Core Classes

| Course ID | Title | Credits |
|---|---|---|
| AGRI 254 | Integrated Pest Management | 5 |
| AGRI 261 | Introduction to Plant Science | 5 |
| AGRI 263 | Soils | 5 |
| | Approved AGRI 200-level electives (10 credits) | 10.0 |

## General Courses

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |
| ENGL 201 | Composition: Advanced Essay | 5 |
| MATH& 107 | Math In Society | 5 |
| MATH& 146 | Introduction to Statistics | 5 |
| CMST& 220 | Public Speaking | 5 |
| HUM& 101 | Introduction to Humanities | 5 |
| ART& 100 | Art Appreciation | 5 |
| CHEM& 121 | Introduction to Chemistry | 5 |
| BIOL& 211 | Majors Cellular | 5 |
| CHEM& 131 | Introduction to Organic/ Biochemistry | 5 |
| BIOL 216 | Plant Classification | 5 |
| ECON& 201 | Micro Economics | 5 |

*ENGL& 101, MATH& 146, CHEM& 121: Placement score required*

*Associate in Applied Science-Transfer Degree: the AAS-T is built upon the the technical courses required for job preparation but also includes a college-level general education component, common in structure for all such degrees. The distinguishing characteristic of the AAS-T is a minimum of 20 credits of general education courses drawn from the same list as those taken by students completing the Direct Transfer Agreement (DTA) associate degree or the Associate in Science-Transfer (AS-T) degree (that is, the courses generally accepted in transfer). AAS-T courses are designed for the dual purpose of immediate employment and as preparation for the junior year in a bachelor's degree commonly described as the bachelor of applied science (BAS). The AAS-T degree generally will not be accepted in transfer in preparation for bachelor of arts or bachelor of science degrees, although the general education component of the degree will be accepted in transfer. (State Board for Community and Technical Colleges)*

| | | |
|---|---|---|
| | Total Credits | 93 |

Approved AGRI 200-level electives (10 credits)

**Elective Credits** 10.0

# Pathway for Horticulture and Tree Fruit Production

**Degree Type**
Associate in Applied Science-Transfer Degree with WSU

**Students should work closely with an agriculture advisor to plan this program.**

## Required Courses: Associate in Applied Science-Transfer Degree with WSU

This degree transfers to the Washington State University College of Agricultural, Human, and Natural Resource Sciences (CAHNRS) Bachelor of Science in Integrated Plant Sciences (IPS), Fruit and Vegetable Management major.

## Introductory Courses

| Course ID | Title | Credits |
|---|---|---|
| AGRI 161 | Introduction to Plant Science | 2 |
| AGRI 162 | Introduction to Soils | 3 |

## Core Courses

| Course ID | Title | Credits |
|---|---|---|
| AGRI 254 | Integrated Pest Management | 5 |
| AGRI 261 | Introduction to Plant Science | 5 |
| AGRI 263 | Soils | 5 |

## Elective Courses

| Course ID | Title | Credits |
|---|---|---|
| AGRI 262 | Introduction to Pomology | 5 |
| AGRI 266 | Crop Production Management | 5 |
| AGRI 264 | Post Harvest Technology | 5 |
| AGRI 265 | Crop Growth & Development | 5 |

## GER Courses

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |
| ENGL 201 | Composition: Advanced Essay | 5 |
| MATH& 107 | Math In Society | 5 |
| MATH& 146 | Introduction to Statistics | 5 |
| CMST& 220 | Public Speaking | 5 |
| HUM& 101 | Introduction to Humanities | 5 |
| ART& 100 | Art Appreciation | 5 |
| CHEM& 121 | Introduction to Chemistry | 5 |
| BIOL& 211 | Majors Cellular | 5 |
| CHEM& 131 | Introduction to Organic/ Biochemistry | 5 |
| BIOL 216 | Plant Classification | 5 |
| ECON& 201 | Micro Economics | 5 |

*ENGL& 101*, *MATH& 107*, *MATH& 146*, *CHEM& 121*, *MATH& 141*: *Placement score required*

*Associate in Applied Science-Transfer Degree: the AAS-T is built upon the the technical courses required for job preparation but also includes a college-level general education component, common in structure for all such degrees. The distinguishing characteristic of the AAS-T is a minimum of 20 credits of general education courses drawn from the same list as those taken by students completing the Direct Transfer Agreement (DTA) associate degree or the Associate in Science-Transfer (AS-T) degree (that is, the courses generally accepted in transfer). AAS-T courses are designed for the dual purpose of immediate employment and as preparation for the junior year in a bachelor's degree commonly described as the bachelor of applied science (BAS). The AAS-T degree generally will not be accepted in transfer in preparation for bachelor of arts or bachelor of science degrees, although the general education component of the degree will be accepted in transfer. (State Board for Community and Technical Colleges)*

| | | |
|---|---|---|
| | Total Credits | 100 |

# Pathway for Horticulture and Tree Fruit Production

**Degree Type**
Associate in Applied Science-Transfer Degree

## Required Courses: Associate of Technical Science Degree

## Introductory Courses

| Course ID | Title | Credits |
|---|---|---|
| | AGRI 101 or AGRI 108 | 3.0 |
| AGRI 161 | Introduction to Plant Science | 2 |
| AGRI 162 | Introduction to Soils | 3 |

## Core Courses

| Course ID | Title | Credits |
|---|---|---|
| AGRI 254 | Integrated Pest Management | 5 |
| AGRI 261 | Introduction to Plant Science | 5 |
| AGRI 263 | Soils | 5 |

## Emphasis Courses

| Course ID | Title | Credits |
|---|---|---|
| AGRI 262 | Introduction to Pomology | 5 |
| AGRI 264 | Post Harvest Technology | 5 |
| AGRI 265 | Crop Growth & Development | 5 |
| AGRI 266 | Crop Production Management | 5 |
| | Approved Electives (may include up to 10 credits in Cooperative Work Experience) | 20.0 |

## General Courses

*OCED 102*, *MATH 92*: *Placement score required.*

| Course ID | Title | Credits |
|---|---|---|
| OCED 102 | Writing In The Workplace | 5 |
| | MATH 92 Intro to Applied Math or higher | 5.0 |
| BUS& 101 | Introduction to Business | 5 |
| BIOL& 100 | Survey of Biology | 5 |
| BCT 105 | Computer Applications | 5 |
| CMST& 220 | Public Speaking | 5 |
| | Total Credits | 93 |

### AGRI 101 or AGRI 108

**Elective Credits** 3.0

| Course ID | Title | Credits |
|---|---|---|
| AGRI 101 | Introduction to Agriculture | 3 |
| AGRI 108 | Introduction to Horticulture | 3 |

### Approved Electives (may include up to 10 credits in Cooperative Work Experience)

**Elective Credits** 20.0

### MATH 92 Intro to Applied Math or higher

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| MATH 92 | Introduction to Applied Math | 5 |

# Pathway for Horticulture and Tree Fruit Production

**Degree Type**
Associate in Applied Science-Transfer Degree

## Required Courses: Associate in Applied Science-Transfer Degree

### Introductory Courses

| Course ID | Title | Credits |
|---|---|---|
| | AGRI 101 or AGRI 108 | 3.0 |
| AGRI 161 | Introduction to Plant Science | 2 |
| AGRI 162 | Introduction to Soils | 3 |

### Core Courses

| Course ID | Title | Credits |
|---|---|---|
| AGRI 254 | Integrated Pest Management | 5 |
| AGRI 261 | Introduction to Plant Science | 5 |
| AGRI 263 | Soils | 5 |

### Elective Courses

| Course ID | Title | Credits |
|---|---|---|
| AGRI 255 | Field Based Integrated Pest Mgmt | 5 |
| AGRI 262 | Introduction to Pomology | 5 |
| AGRI 264 | Post Harvest Technology | 5 |
| AGRI 265 | Crop Growth & Development | 5 |
| AGRI 266 | Crop Production Management | 5 |
| | Approved AGRI 200-level electives (20 credits) | 20.0 |

### General Courses

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |
| MATH& 107 | Math In Society | 5 |
| CHEM& 121 | Introduction to Chemistry | 5 |
| ECON& 201 | Micro Economics | 5 |
| CMST& 220 | Public Speaking | 5 |

*ENGL& 101, MATH& 107, CHEM& 121: Placement score required*

*Associate in Applied Science-Transfer Degree: the AAS-T is built upon the the technical courses required for job preparation but also includes a college-level general education component, common in structure for all such degrees. The distinguishing characteristic of the AAS-T is a minimum of 20 credits of general education courses drawn from the same list as those taken by students completing the Direct Transfer Agreement (DTA) associate degree or the Associate in Science-Transfer (AS-T) degree (that is, the courses generally accepted in transfer). AAS-T courses are designed for the dual purpose of immediate employment and as preparation for the junior year in a bachelor's degree commonly described as the bachelor of applied science (BAS). The AAS-T degree generally will not be accepted in transfer in preparation for bachelor of arts or bachelor of science degrees, although the general education component of the degree will be accepted in transfer. (State Board for Community and Technical Colleges)*

| | |
|---|---|
| Total Credits | 93 |

### AGRI 101 or AGRI 108

**Elective Credits** 3.0

| Course ID | Title | Credits |
|---|---|---|
| AGRI 101 | Introduction to Agriculture | 3 |
| AGRI 108 | Introduction to Horticulture | 3 |

### Approved AGRI 200-level electives (20 credits)

**Elective Credits** 20.0

# Pathway for Sustainable and Organic Agriculture

**Degree Type**
Associate in Applied Science-Transfer Degree with WSU

**Students should work closely with an agriculture advisor to plan this program.**

## Required Courses: Associate in Applied Science-Transfer Degree with WSU

This degree transfers to the Washington State University College of Agricultural, Human and Natural Resource Sciences (CAHNRS) Bachelor of Science in Agriculture and Food Systems (AFS) major.

### Introductory Courses

| Course ID | Title | Credits |
|---|---|---|
| AGRI 161 | Introduction to Plant Science | 2 |
| AGRI 162 | Introduction to Soils | 3 |
| AGRI 108 | Introduction to Horticulture | 3 |

### Core Courses

| Course ID | Title | Credits |
|---|---|---|
| AGRI 254 | Integrated Pest Management | 5 |
| AGRI 261 | Introduction to Plant Science | 5 |
| AGRI 263 | Soils | 5 |

### Elective Courses

(pick 3 courses, totalling 15 credits)

| Course ID | Title | Credits |
|---|---|---|
| AGRI 268 | Organic Agricultural Production | 5 |
| AGRI 269 | Organic Plant Nutrition | 5 |
| AGRI 255 | Field Based Integrated Pest Mgmt | 5 |
| AGRI 289 | Sustainable Agriculture & Food Systems | 5 |

### General Courses

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |
| ENGL 201 | Composition: Advanced Essay | 5 |
| MATH& 107 | Math In Society | 5 |
| MATH& 146 | Introduction to Statistics | 5 |
| CMST& 220 | Public Speaking | 5 |
| HUM& 101 | Introduction to Humanities | 5 |
| ART& 100 | Art Appreciation | 5 |
| CHEM& 121 | Introduction to Chemistry | 5 |
| BIOL& 211 | Majors Cellular | 5 |
| CHEM& 131 | Introduction to Organic/ Biochemistry | 5 |
| BIOL 216 | Plant Classification | 5 |
| ECON& 201 | Micro Economics | 5 |

*ENGL& 101, MATH& 107, MATH& 146, CHEM& 121: Placement score required*

*Associate in Applied Science-Transfer Degree: the AAS-T is built upon the the technical courses required for job preparation but also includes a college-level general education component, common in structure for all such degrees. The distinguishing characteristic of the AAS-T is a minimum of 20 credits of general education courses drawn from the same list as those taken by students completing the Direct Transfer Agreement (DTA) associate degree or the Associate in Science-Transfer (AS-T) degree (that is, the courses generally accepted in transfer). AAS-T courses are designed for the dual purpose of immediate employment and as preparation for the junior year in a bachelor's degree commonly described as the bachelor of applied science (BAS). The AAS-T degree generally will not be accepted in transfer in preparation for bachelor of arts or bachelor of science degrees, although the general education component of the degree will be accepted in transfer. (State Board for Community and Technical Colleges)*

| | | |
|---|---|---|
| | Total Credits | 98 |

# Pathway for Sustainable and Organic Agriculture

**Degree Type**
Associate of Applied Science Degree

### Introductory Courses

| Course ID | Title | Credits |
|---|---|---|
| | AGRI 101 or AGRI 108 | 3.0 |
| AGRI 161 | Introduction to Plant Science | 2 |
| AGRI 162 | Introduction to Soils | 3 |

### Core Courses

| Course ID | Title | Credits |
|---|---|---|
| AGRI 254 | Integrated Pest Management | 5 |
| AGRI 261 | Introduction to Plant Science | 5 |
| AGRI 263 | Soils | 5 |

### Elective Courses

| Course ID | Title | Credits |
|---|---|---|
| | Approved 200-level Electives | -43 |

## General Courses

| Course ID | Title | Credits |
|---|---|---|
| OCED 102 | Writing In The Workplace | 5 |
| MATH 92 | Introduction to Applied Math | 5 |
| BUS& 101 | Introduction to Business | 5 |
| BIOL& 100 | Survey of Biology | 5 |
| BCT 105 | Computer Applications | 5 |
| CMST& 220 | Public Speaking | 5 |

*OCED 102, MATH 92: Placement score required*

| | | |
|---|---|---|
| | Total Credits | 93 |

### AGRI 101 or AGRI 108

**Elective Credits** 3.0

| Course ID | Title | Credits |
|---|---|---|
| AGRI 101 | Introduction to Agriculture | 3 |
| AGRI 108 | Introduction to Horticulture | 3 |

### Approved 200-level Electives

# Pathway for Sustainable and Organic Agriculture

**Degree Type**
Associate in Applied Science-Transfer Degree

## Required Courses: Associate in Applied Science-Transfer Degree

## Introductory Courses

| Course ID | Title | Credits |
|---|---|---|
| | AGRI 101 or AGRI 108 | 3.0 |
| AGRI 161 | Introduction to Plant Science | 2 |
| AGRI 162 | Introduction to Soils | 3 |

## Core Courses

| Course ID | Title | Credits |
|---|---|---|
| AGRI 254 | Integrated Pest Management | 5 |
| AGRI 261 | Introduction to Plant Science | 5 |
| AGRI 263 | Soils | 5 |

## Elective Courses

| Course ID | Title | Credits |
|---|---|---|
| AGRI 268 | Organic Agricultural Production | 5 |
| AGRI 269 | Organic Plant Nutrition | 5 |
| AGRI 255 | Field Based Integrated Pest Mgmt | 5 |
| AGRI 289 | Sustainable Agriculture & Food Systems | 5 |
| | Approved AGRI 200-level electives (25 credits) | 25.0 |

## General Courses

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |
| MATH& 107 | Math In Society | 5 |
| CHEM& 121 | Introduction to Chemistry | 5 |
| ECON& 201 | Micro Economics | 5 |
| CMST& 220 | Public Speaking | 5 |

*ENGL& 101, MATH& 107: Placement score required*

*Associate in Applied Science-Transfer Degree: the AAS-T is built upon the the technical courses required for job preparation but also includes a college-level general education component, common in structure for all such degrees. The distinguishing characteristic of the AAS-T is a minimum of 20 credits of general education courses drawn from the same list as those taken by students completing the Direct Transfer Agreement (DTA) associate degree or the Associate in Science-Transfer (AS-T) degree (that is, the courses generally accepted in transfer). AAS-T courses are designed for the dual purpose of immediate employment and as preparation for the junior year in a bachelor's degree commonly described as the bachelor of applied science (BAS). The AAS-T degree generally will not be accepted in transfer in preparation for bachelor of arts or bachelor of science degrees, although the general education component of the degree will be accepted in transfer. (State Board for Community and Technical Colleges)*

| | | |
|---|---|---|
| | Total Credits | 93 |

### AGRI 101 or AGRI 108

**Elective Credits** 3.0

| Course ID | Title | Credits |
|---|---|---|
| AGRI 101 | Introduction to Agriculture | 3 |
| AGRI 108 | Introduction to Horticulture | 3 |

### Approved AGRI 200-level electives (25 credits)

**Elective Credits** 25.0

# Pharmacy Technician

**Degree Type**
Certificate
Associate in Applied Science-Transfer Degree

**One-year Certificate**

The Pharmacy Technician one-year certificate is a four- quarter program consisting of classroom instruction, laboratory practice and clinical pharmacy training. It aims to prepare students to sit for the Pharmacy Technician Certification Board national exam. Successful completion of the program should provide students the skills and knowledge they need to qualify for positions in community, health system and other pharmacies.

**Associate in Applied Science-Transfer Degree**

The Pharmacy Technician Associate of Applied Science-Transfer Degree is a two-year program consisting of general education, technical and pharmacy education courses. Successful completion of the program should provide student the skills and knowledge they need to qualify for positions in community health systems and other pharmacies. It aims to prepare students to sit for the Pharmacy Technician Certification Board national exam. AAS-T graduates should have the preparatory background to pursue a transfer degree to become a licensed pharmacist.

## Suggested Course Sequence: Associate in Applied Science-Transfer Degree Program

*Offered at Wenatchee campus*

| | | |
|---|---|---|
| | Total Credits | 92 |

**Course Sequencing**

## First Year - First Quarter

| Course ID | Title | Credits |
|---|---|---|
| HLTH 123 | Medical Terminology | 3 |
| MA 113 | Universal Precautions and Bloodborne Pathogens | 1 |
| MA 116 | Office Communications | 3 |
| PHARM 110 | Introduction to Pharmacy and Pharmacy Law | 5 |
| PHARM 120 | Pharmacy Calculations | 3 |

## First Year - Second Quarter

| Course ID | Title | Credits |
|---|---|---|
| PHARM 130 | Over-The-Counter Drugs | 3 |
| PHARM 140 | Pharmacology II | 5 |
| PHARM 150 | Intro to Pharmacy Compounding | 5 |

## First Year - Third Quarter

| Course ID | Title | Credits |
|---|---|---|
| BCT 116 | Professional Work Relations | 3 |
| PHARM 141 | Pharmacology III | 5 |
| PHARM 151 | Sterile Preparations | 5 |
| PHARM 170 | Pharmacy Operations | 5 |

## First Year - Fourth Quarter

| Course ID | Title | Credits |
|---|---|---|
| PHARM 210 | Hospital Externship | 4 |
| PHARM 220 | Community Externship | 3 |
| PHARM 230 | Externship III | 3 |
| PHARM 231 | Portfolio | 1 |
| PHARM 240 | Program Conclusion | 1 |

**Total credits for One-Year Certificate: 57**

## Second Year - First Quarter

| Course ID | Title | Credits |
|---|---|---|
| ENGL& 101 | Composition: General | 5 |
| | College Level Math | 5.0 |
| PSYC& 100 | General Psychology | 5 |

## Second Year - Second Quarter

| Course ID | Title | Credits |
|---|---|---|
| BIOL& 100 | Survey of Biology | 5 |
| | CMST& 210 or CMST& 220 | 5.0 |
| ENGL& 235 | Technical Writing | 5 |
| SOC& 101 | Introduction to Sociology | 5 |

**One-year Certificate program outcomes:**

Students should learn about drug products, calculations, dosages, dispensing techniques, inventory management, aseptic techniques and Washington pharmacy law. Students should study and develop different skills, work attitudes and ethics, as well as develop proper work habits and appreciation for the job. Student training will include classroom instruction, laboratory practice and clinical pharmacy training. This program should prepare students to work in both community and hospital pharmacy settings.

**AAS-T program outcomes:**

Students should learn about drug products, calculations, dosages, dispensing techniques, inventory management, aseptic techniques and Washington pharmacy law. Students should study and develop different skills, work attitudes and ethics, as well as develop proper work habits and appreciation for the job. Student training will include classroom instruction, laboratory practice and clinical pharmacy training. This program should prepare students to work in both community and hospital pharmacy settings.

**Application requirements:**

- You must be 18 by the start of the clinicals to apply.
- Ensure that you have met/completed all general requirements and prerequisites.
- Follow application requirements.
- You will be notified regarding your application; incomplete applications will not be considered.
- Apply for admission to Wenatchee Valley College.
- Complete Pharmacy Technology application.
- Drop off or mail applications. Mail to: Pharmacy Technology Director, WVC, 1300 Fifth Street, Wenatchee, WA, 98801. Drop off to: Pharmacy Technology Director, Second floor of Wenatchi Hall 2221E
- Attach sealed, official high school transcript or GED transcript.
- Attach up-to-date sealed, official college transcripts.
- If you have transcripts over 10 years old, contact the allied health educational planner, 509-682-6844, to determine whether old transcripts need to be submitted.
- You should obtain placement in English and math before submitting an application in order to receive proper advising toward an AAS-T degree.

**Allied health program students must fulfill the following requirements before they can attend clinical rotations:**

- Pay a non-refundable acceptance fee by the designated deadline.
- Provide a current healthcare provider CPR card. Must include but not be limited to first aid/ CPR/AED for adult, children and infants. The CPR card must be issued by a person or facility qualified specifically to instruct CPR for healthcare providers.
- Provide documentation of a two-step PPD (two separate tuberculin skin tests placed one to three weeks apart) and Hepatitis B vaccinations. Both must include vaccine lot numbers.
- Provide documentation of immunizations to the student immunization tracker (for a complete list go to www.wvc.edu/alliedhealth).
- Students must have a Washington state pharmacy assistant license by the end of their second quarter to ensure placement at externship sites.
- Students have the option to purchase the Washington State Community College insurance. Obtain a brochure at the cashier's station or at 4studenthealth.relationinsurance.com.
- Successfully pass a national background check through Complio.
- Certain crimes can disqualify students from attending clinical sites. Please contact the Allied Health department at 509-682-6660 with questions.
- Provide results of a ten-panel drug test, not older than 45 days, from Complio.
- Complete the allied health packet, which includes: student disclosure form, a child and adult abuse information act disclosure statement, medical record form, student release form and student confidentiality form.
- Liability insurance is calculated into tuition and fees annually at the time of registration.

**Note:** Required documents are to be submitted to the student immunization tracker.

## College Level Math

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| MATH& 107 | Math In Society | 5 |
| MATH 140 | Precalculus for Business and Social Sciences | 5 |
| MATH& 141 | Precalculus I | 5 |
| MATH& 142 | Precalculus II | 5 |
| MATH& 146 | Introduction to Statistics | 5 |
| MATH& 148 | Business Calculus | 5 |
| MATH& 151 | Calculus I | 5 |
| MATH& 152 | Calculus II | 5 |
| MATH& 153 | Calculus III | 5 |
| MATH 200 | Finite Mathematics | 5 |
| MATH& 254 | Calculus IV | 5 |

## CMST& 210 or CMST& 220

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| CMST& 210 | Interpersonal Communication | 5 |
| CMST& 220 | Public Speaking | 5 |

# Project Management Fundamentals

**Degree Type**
Certificate of Completion

Designed for entry level project administrators to develop their communication, organization, and research skills to execute projects using Project Management Institute's methodology and current technologies.

## Project Management Fundamentals

| Course ID | Title | Credits |
|---|---|---|
| | BCT 111 or ENGL& 101 | 5.0 |
| | BCT 205 or CMST Course | 5.0 |
| BCT 284 | Project Management | 5 |
| | Total Credits | 15 |

**Course Sequencing**

## Outcomes

- Develop foundational knowledge of project management terminology, principles, methods, and tools
- Develop communication and professional work skills
- Make appropriate technology choices for projects
- Apply internet tools for research and collaboration.
- Prepare for Project Management Ready certification

## Recommended Course Sequencing

BCT 111 or ENG&101

BCT 205 or CMST(&) courses

BCT 284 (offered spring quarter only)

### BCT 111 or ENGL& 101

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BCT 111 | Business English | 5 |
| ENGL& 101 | Composition: General | 5 |

### BCT 205 or CMST Course

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BCT 205 | Business Communications | 5 |
| CMST& 101 | Introduction to Communication | 5 |
| CMST 130 | Survey of Digital Communications | 5 |
| CMST& 210 | Interpersonal Communication | 5 |
| CMST& 220 | Public Speaking | 5 |

# Radiologic Technology

**Degree Type**
Associate of Applied Science Degree

Radiologic technologists are important members of the healthcare team. Their special skills serve a key function in the medical specialty of radiology, which is characterized by new and exciting advances in the prevention, diagnosis and treatment of diseases.

The WVC Radiologic Technology Program is a limited-enrollment program and is subject to special requirements and procedures. See the WVC website at www.wvc.edu/radtech for further information. The website contains up-to-date application dates and other important information. Students may also call the WVC Allied Health Educational Planner at 509-682-6844 for information on enrolling in the program. The program requires intensive study and students are required to take prerequisite courses prior to entering the program. No advanced standing is granted. If students leave the program for any reason, they must submit a new application for reentry into the program. If students exit the program, they may apply for readmission only one time. If the exit is during the clinical year and the student wishes to return, they must apply within one year or return the fourth quarter of the first year to refresh skills and learn new policies and procedures. Students returning in the clinical year may only be assigned with a clinical affiliate with space available.

The program begins each spring quarter. Radiologic technology requires eight consecutive quarters, including summer quarters, for completion. The first year is in the classroom, online and in the energized laboratory, where students take specialized courses designed to provide a solid foundation for the clinical year. The second year is dedicated to clinical instruction under professional supervision in the affiliated clinical facilities and an online registry review course. Clinical assignments are 39 hours per week in fall, winter and spring quarters, and 34 hours per week in summer quarter, and require day, evening and weekend hours. Students will need a computer and WVC email and internet access. Students must maintain a "B" (3.0) grade point average or better or a pass in each radiologic

technology program course. Out- of-town clinical assignments should be expected. Students must furnish their own transportation, housing and living expenses.

The Radiologic Technology Program is accredited by the specialized accrediting agency, the Joint Review Committee on Education in Radiologic Technology (JRCERT) for the maximum accreditation cycle of 8 years. Wenatchee Valley College is accredited by the institutional accrediting agency Northwest Commission on Colleges and Universities (NWCCU), both of which are recognized by the American Registry of Radiologic Technologists (ARRT) (www.arrt.org).

## Suggested Course Sequence: Associate of Applied Science Degree Program

*Offered at Wenatchee campus*

| | |
|---|---|
| Total Credits | 108 |

**Course Sequencing**

## First Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| RADT 101 | Introduction to Radiologic Technology | 2 |
| RADT 111 | Radiation Physics | 5 |
| RADT 121 | Principles of Exposure I | 3 |
| RADT 131 | Radiographic Positioning I | 6 |
| RADT 105 | RADT Success I | 1 |

## First Year - Summer Quarter

| Course ID | Title | Credits |
|---|---|---|
| RADT 122 | Principles of Exposure II | 3 |
| RADT 132 | Radiographic Positioning II | 6 |
| RADT 151 | Imaging Modalities | 1 |

## First Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| RADT 123 | Principles of Exposure III | 3 |
| RADT 133 | Radiographic Positioning III | 6 |
| RADT 152 | Patient Care | 4 |
| RADT 106 | RADT Success II | 1 |

## First Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| RADT 134 | Radiographic Positioning IV | 6 |
| RADT 141 | Radiation Biology & Protection | 2 |
| RADT 161 | Special Procedures | 3 |
| RADT 162 | Clinical Observation | 1 |
| RADT 107 | RADT Success III | 1 |

## Second Year - Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| RADT 231 | Clinical Education I | 13 |
| RADT 241 | Radiographic Seminar I | 1 |

## Second Year - Summer Quarter

| Course ID | Title | Credits |
|---|---|---|
| RADT 171 | Radiographic Pathology | 2 |
| RADT 232 | Clinical Education II | 9 |
| RADT 242 | Radiographic Seminar II | 1 |

## Second Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| RADT 233 | Clinical Education III | 13 |
| RADT 243 | Radiographic Seminar III | 1 |

## Second Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| RADT 234 | Clinical Education IV | 13 |
| RADT 244 | Radiographic Seminar IV | 1 |

**Application Requirements:**

- A completed WVC Application for Admission.
- A completed supplemental application for admission to the WVC Radiologic Technology Program available from September 1 to November 6.
- Sealed, official college transcripts from all colleges where the student has earned credit (excluding WVC).
- Be 18 years old by the 2nd year of the program (before entering clinicals).

- To be eligible, applicants must have a minimum grade of "C+" (2.3) for all prerequisite courses (PDF) and a cumulative GPA of 2.3 or higher.

  The WVC Radiologic Technology program uses a point system (77 total points) when selecting and evaluating applications for admission. To be eligible to apply, applicants must have completed all prerequisite courses and met all eligibility requirements (PDF).

- Points are awarded based on grades for the following courses:
- BIOL&211
- BIOL&241
- BIOL&242
- MATH&107
- ENGL&101
- HLTH 123
- BCT105
- One Anthropology (ANTH or ANTH&), Communication (CMST or CMST&), Humanities (HUMN or HUM&), Philosophy (PHIL or PHIL&), Psychology (PSYC or PSYC&), or Sociology (SOC or SOC&) course numbered 100 or higher (5 credits).
- The grades for the above courses will be converted to numerical grades (e.g., a "B+" will be converted to a 3.3). These numerical grades will be added together for a possible point total of 32.

**Conviction of certain crimes may prevent completion of the clinical course requirements of the program and may prevent future licensure and employment in the healthcare field.** A criminal record check is required prior to any clinical education experience or clinical field trip. Students who have a criminal record should meet with the dean of allied health and nursing to determine if the criminal history would prevent access to a healthcare facility. To determine if the criminal record would prevent eligibility to take the national exam, go to the ARRT website at www.arrt.org and download information from the "ethics" section.

**Student Responsibilities:**

Once accepted into the radiologic technology program, students must fulfill the following requirements prior to entering a clinical educational setting:

- Pay a nonrefundable acceptance fee by the designated deadline.
- Provide a current healthcare provider CPR card, which must include but not be limited to first aid/ CPR/AED for adult, children and infants. The CPR card must be issued by a person or facility qualified specifically to instruct CPR for healthcare providers.
- Provide a copy of seven contact hour course – Washington State Blood Borne Pathogens (formerly HIV/AIDS) Certificate.
- MA 113 Bloodborne Pathogens (formerly HIV/AIDS Education) may be used or Equivalent 8-hour OSHA/WA approved course https://courseforbbp.com/states/WA
- Provide documentation of immunizations to the student immunization tracker (for a complete list go to www.wvc.edu/alliedhealth).
- Provide verification of major medical insurance (accident/injury) for participation in clinical learning experiences. Students should expect to pay an additional fee for this mandatory student insurance, unless they are currently covered by an insurance carrier and can provide proof of insurance. Students have the option to purchase the Washington State Community College insurance. Obtain a brochure at the cashier's station or at 4studenthealth.relationinsurance.com.
- Provide background check information to provide clearance for participation in required clinical learning experiences. National background checks must go back at least seven years and be completed within 45 days of program start. Students are required to order their own background checks at Complio.
- Provide results of a ten-panel drug test, not older than 45 days, from Complio.
- Complete the allied health packet, which includes: student disclosure form, a child and adult abuse information act disclosure statement, medical record form, student release form and student confidentiality form.
- Liability insurance is calculated into tuition and fees annually at the time of registration.
- Physical requirements include: ability to lift 50 pounds, carry 20 pounds, sit for four hours and stand for eight to twelve hours. Visit the radiologic technology web page for essential functions, www.wvc.edu/radtech.

**Note:** Required documents are to be submitted to the student immunization tracker.

At the completion of the program, students will be eligible to apply to take the national examination given by the American Registry of Radiologic Technologists.

**Program outcomes**

Radiologic Technology Program Goals

1. Students/Graduates will possess effective communication skills.
2. Students/Graduates will possess critical thinking skills (problem solving ability).
3. Students/Graduates will demonstrate clinical competency.
4. Students/Graduates will exhibit professionalism (act responsibly as an individual and member of a team).

Radiologic Technology Program Student Learning Outcomes:

1. Communicate effectively during simulated radiographic exams and communicate effectively with patients in an appropriate manner in the clinical setting.
2. Demonstrate effective communication with the healthcare team.
3. Demonstrate proficiency in performing competency of simulated radiographic exams in their first year.
4. Evaluate and critique radiographic images for diagnostic quality during first and second year of the program.
5. Demonstrate judicious use of ionizing radiation by practicing safe application of radiation at all times for patient, self and others.
6. Demonstrate clinical competency in positioning skills in their second year.
7. Demonstrate a strong work ethic related to the profession by acknowledging and accepting responsibility.
8. Deliver patient care free from bias or discrimination.

# Retail Management

**Degree Type**
Certificate of Completion

The WVC Retail Management certificate is endorsed by the Western Association of Food Chains (WAFC), a high-profile, non-profit association dedicated to promoting academic preparation in the food industry. All of the WAFC member grocery companies recognize and value this college-level certificate, which is designed to provide individuals with the knowledge and skills that may increase their employability and career options in retail settings.

The retail management certificate prepares individuals to manage a variety of retail sales operations or lines of merchandise. Students who complete the courses for this program will develop a clear sense of the scope of a career in the field of retail management. The program serves both entry-level job candidates and incumbent employees. The curriculum includes courses in both written and oral communications, business math, human relations and computer applications. Students also complete specific business and management courses in accounting, management, marketing, retailing and human resource management. After successful completion of the required coursework, students will receive a retail management certificate, which may also show the WAFC endorsement.

All certificate courses may be applied toward a WVC associate of technical science (ATS) degree in General Business if students receive a "C" (2.0) grade or higher. Some courses are transferable. Students should work closely with a business advisor to plan their class schedules.

## Suggested Course Sequence: Certificate of Completion

*Offered at Wenatchee campus*

| | | |
|---|---|---|
| | Total Credits | 40 |

**Course Sequencing**

## Courses

*BCT 205, ENGL& 101: Placement score required.*

| Course ID | Title | Credits |
|---|---|---|
| | ACCT 102 or ACCT& 201 | 5.0 |
| BCT 105 | Computer Applications | 5 |
| | BCT 205 or ENGL& 101 | 5.0 |
| BUS 240 | Principles of Management | 5 |
| BUS 241 | Principles of Marketing | 5 |
| BUS 242 | Retail Management | 5 |
| BUS 243 | Human Resources Management | 5 |
| BUS 245 | Small Business Management | 5 |

**Program outcomes**

Students who complete the Certificate in Retail Management should be able to:

- Use and apply retail business concepts in real-life situations.
- Use their training and education to seek employment with Association of Food Chains (WAFC) member grocery companies.
- Manage a variety of retail sales operations or lines of merchandise.
- Develop a foundation with the knowledge and skills to increase their employability and career options in retail settings.

### ACCT 102 or ACCT& 201

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ACCT 102 | Practical Accounting I | 5 |
| ACCT& 201 | Principles of Accounting I | 5 |

### BCT 205 or ENGL& 101

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| BCT 205 | Business Communications | 5 |
| ENGL& 101 | Composition: General | 5 |

# Tribal Gaming Management

**Degree Type**
Certificate of Completion

This is a one-year certificate program that is designed to prepare individuals for a management career in the regulatory sector of the tribal gaming industry. The regulatory/compliance sector of the tribal gaming industry is charged with providing the oversight, security and regulation of the industry as mandated by federal, state, local and tribal laws. The program's skill-set blends business applications of math and English, computer proficiency, basic business principles and special topics related to tribal law and jurisdictional issues. A graduate of the program will have potential employment opportunities within WVC's district with the Colville Confederated Tribes' casinos and gaming enterprises and with other gaming and casino operations throughout the state. Students must earn a cumulative 2.0 grade point average. English and mathematics courses require qualifying assessment scores or acceptable preparatory coursework. Prerequisites: Keyboarding skills, ENGL 97 and MATH 99 or appropriate placement scores.

## Required Courses: Certificate of Completion

*Offered at the Omak campus*

## Core Courses

| Course ID | Title | Credits |
|---|---|---|
| | ACCT 102 or BCT 128 | 5.0 |
| BCT 105 | Computer Applications | 5 |
| BCT 116 | Professional Work Relations | 3 |
| BUS 146 | Business Ethics | 5 |
| BUS& 201 | Business Law | 5 |
| CMST& 220 | Public Speaking | 5 |
| | BUS 196/296 or BUS 240 | 1.0-5 |
| | ECON& 201 or ECON& 202 | 5.0 |
| | OCED 102 or BCT 205 or ENGL& 101 | 5.0 |
| TGM 150 | Tribal Law | 3 |
| TGM 160 | Jurisdiction Issues | 3 |

*BCT 128, OCED 102, BCT 205, ENGL& 101: Placement score required.*

| | | |
|---|---|---|
| | Total Credits | 45-49 |

**Program outcomes**

Students who complete the Tribal Gaming Management Certificate should be able to:

- Use and apply business concepts in the Tribal regulatory field.
- Know current practices, principles and issues related to Tribal law, the role of the Tribes and their justice systems, specific to the gaming environment
- Use training and education to seek employment or advance in current employment in Tribal gaming-related fields.

### ACCT 102 or BCT 128

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ACCT 102 | Practical Accounting I | 5 |
| BCT 128 | Business Math | 5 |

### BUS 196/296 or BUS 240

**Elective Credits** 1.0-5.0

| Course ID | Title | Credits |
|---|---|---|
| BUS 196 | Cooperative Work Experience | 1-5 |
| BUS 296 | Cooperative Work Experience | 1-5 |
| BUS 240 | Principles of Management | 5 |

ECON& 201 or ECON& 202

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| ECON& 201 | Micro Economics | 5 |
| ECON& 202 | Macro Economics | 5 |

OCED 102 or BCT 205 or ENGL& 101

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| OCED 102 | Writing In The Workplace | 5 |
| BCT 205 | Business Communications | 5 |
| ENGL& 101 | Composition: General | 5 |

# Viticulture Sustainability

**Degree Type**
Certificate

The viticulture sustainability certificate offers specialized training in sustainable and organic production practices. Emphasis will be focused on the relationships between organic nutrients, soil fertility and plant health in organic agriculture systems. Topics in the concept of sustainable practices, alternative agriculture systems and world food systems are included.

## Required Courses: Certificate

*Offered at Wenatchee campus*
*This certificate program is not eligible for federal or state financial aid.*

| | | |
|---|---|---|
| | Total Credits | 15 |

**Course Sequencing**

## Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| AGRI 268 | Organic Agricultural Production | 5 |

## Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| AGRI 269 | Organic Plant Nutrition | 5 |

## Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| AGRI 289 | Sustainable Agriculture & Food Systems | 5 |

**Student learning outcomes**

Students who complete the Viticulture Sustainability Certificate should be able to demonstrate skills and knowledge in the fundamentals of:

- General agriculture production practices.
- Sustainable and organic agriculture production.
- Viticulture principles and practices in Washington.

# Welding and Fabrication

**Degree Type**
Certificate of Completion

## Required Courses: Certificate of Completion

*Offered at the Wenatchee campus*
*This certificate program is not eligible for financial aid.*

| | | |
|---|---|---|
| | Total Credits | 21 |

**Course Sequencing**

## First Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| WELD 128 | Basic Welding | 3 |
| WELD 131 | Gas Welding | 3 |
| WELD 132 | Arc Welding | 3 |
| WELD 220 | Welding Certification Prep Course | 2 |
| INDT 135 | Metal Fabrication I | 5 |
| INDT 136 | Metal Fabrication II | 5 |

*INDT 135 is offered winter quarter. WELD 128 may be taken concurrently.*
*INDT 136 is offered spring quarter.*

# Welding and Fabrication

**Degree Type**
Certificate

Welding is considered a high demand occupation that provides a living wage, with projected short- and long-term growth in Chelan and Douglas counties, according to the Washington State Employment Security Department.

WVC's Industrial Technology program offers a welding and fabrication 55-credit certificate. This training provides students with the skills to perform welding duties in construction, repair, maintenance and fabrication fields. Hands-on instruction is included in core welding techniques—including MIG and TIG and pipe welding— and in metal fabrication with a variety of materials. Safe working habits are emphasized in lecture format and in demonstrations. An industrial safety

course includes training and certification in first aid/CPR, flagging, forklift/ industrial truck operation, OSHA 10 and hazardous materials awareness.

## Required Courses: One-year certificate

*Offered at the Wenatchee campus*

| | | |
|---|---|---|
| | Total Credits | 55 |

**Course Sequencing**

## First Year - Fall Quarter

| Course ID | Title | Credits |
|---|---|---|
| WELD 128 | Basic Welding | 3 |
| WELD 131 | Gas Welding | 3 |
| ENGR 102 | Interpreting Engineering Graphics | 2 |
| BCT 116 | Professional Work Relations | 3 |
| | MATH 92 Intro to Applied Math or higher level MATH | 5.0 |

## First Year - Winter Quarter

| Course ID | Title | Credits |
|---|---|---|
| WELD 132 | Arc Welding | 3 |
| INDT 135 | Metal Fabrication I | 5 |
| WELD 134 | Intermediate GTA Welding (TIG) | 3 |
| | OCED 102 or higher or ENGL& 101 | 5.0 |
| WELD 227 | Welding Exotic Metals | 3 |

## Spring Quarter

| Course ID | Title | Credits |
|---|---|---|
| WELD 220 | Welding Certification Prep Course | 2 |
| INDT 136 | Metal Fabrication II | 5 |
| INDT 137 | Metal Fabrication III | 3 |
| WELD 223 | Pipe Welding | 3 |
| WELD 230 | Welding Inspection and Code Interpretation | 2 |
| OCED 130 | Industrial Safety | 5 |

*Placement score may be required for some levels of MATH, ENGL or OCED.*

**Program outcomes**

Upon completion of this program, successful students should be able to:

- Demonstrate standard shop safety procedures.
- Apply welding theory and knowledge of common terms used in the industry to oxy/fuel gas and electric arc welding processes.
- Apply a variety of standard and exotic welding techniques.
- Operate various shop fabrication equipment.
- Use torches and fuel gases to produce durable parts.
- Read, interpret and use shop drawings and specifications in the fabrication and making of durable goods.
- Use effective reading, thinking, mathematical and written communication skills in workplace environments.
- Employ problem solving skills.
- Be prepared to take welder qualification test in accordance with Washington Association of Building Organization (WABO) utilizing the SMAW process.

### MATH 92 Intro to Applied Math or higher level MATH

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| MATH 92 | Introduction to Applied Math | 5 |

### OCED 102 or higher or ENGL& 101

**Elective Credits** 5.0

| Course ID | Title | Credits |
|---|---|---|
| OCED 102 | Writing In The Workplace | 5 |
| ENGL& 101 | Composition: General | 5 |

# Courses

## Accounting

Covers current generally accepted accounting principles, theories and procedures used in financial accounting and reporting. Key topics covered include an introduction to preparing and using financial statements, corporate annual reports, the accounting cycle for service and merchandising businesses, cash, financial assets, inventory, plant and equipment, and other long-term assets.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective

Second in the series on accounting theory. Continuation of current generally accepted accounting principles, theories and procedures used in financial accounting and reporting with emphasis on corporate accounting and reporting. Includes current and long-term liabilities, time value of money, stockholders' equity, cash flow statements, financial statement analysis and international accounting.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective
**Prerequisites**
ACCT& 201

Covers topics and concepts related to internal decision-making for business, to help managers use accounting information to make decisions and achieve control. Topics include an introduction to management theory and concepts, cost terminology, costing techniques, cost behavior, cost-volume-profit considerations, segment analysis, budget analysis, pricing, incremental analysis, and capital budgeting.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective
**Prerequisites**
ACCT& 201

This course covers a sole proprietorship service business. Topics include assets, liabilities, owner's equity, revenue, expenses, worksheets, financial statements, adjusting entries, closing entries, cash funds, and payroll.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

This course covers a sole proprietorship merchandising business. Topics include notes payable and receivable, worksheets, financial statements, adjusting and reversing entries, special journals, inventory valuation, and depreciation.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ACCT 102

Covers payroll and selected business tax procedures. Designed for the ATS accounting degree major as well as for those in the community who want to upgrade their knowledge of payroll and business tax accounting.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ACCT 102

A comprehensive study of computerized accounting systems in both service and merchandising environments. Realistic business simulations a reanalyzed by using a variety of companies and projects. Commercial Windows accounting software demonstrates the use of fully integrated accounting systems. Students will set up a computerized system for manual conversion.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ACCT 102 or BCT 105

## Addiction Studies Program

The Addiction Studies Program (ASP) program is designed for those already working with substance use disorders, those aspiring to become Substance Use Disorder Professionals, and those who desire this education to enhance other areas of human services such as educators, social workers, school counselors and mental health workers. The ASP program also provides opportunities for professional development studies for practitioners to review and expand their skills.

ASP courses are only for students enrolled in the ASP program, unless otherwise noted. To enroll in the program, complete the Addiction Studies Program application (available at wvc.edu/CDS) and return it to the ASP program director.

Emphasizes understanding addictions including historical and current implications of addiction as well as the Americans with Disabilities Act and social, cultural, political, and economic contexts of addiction. Introduction to basic pharmacology of alcohol/other drugs, assessment criteria, symptoms of addiction, and signs of recovery efforts.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Introduction to the pharmacological action of drugs in the body, including the human body's physical and behavioral response to alcohol and other drugs. Other information will include current research findings and terminology essential for working on addiction treatment teams and for communicating with patients and families.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective
**Prerequisites**
ASP 100

This course will introduce students to the profession of SUD counseling. Focus will be on the credentialing process and basic information regarding professional readiness such as the relationship between personal and professional boundaries. Focus will be on the difference between a professional counselor and a peer support person. Introduction to ethical and legal responsibilities of counselors.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective

Counselor skills training in screening, evaluation, and referral for Substance Use Disorder patients. Focus is on duties of case managers such as service coordination, knowledge of community resources, and documentation (including treatment planning, clinical/progress notes, discharge summaries, etc.). Introduction to ASAM assessment/placement, confidentiality and federal, state, and agency policies.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ASP 100 or Instructor Permission

Foundational information for the culturally diverse addicted populations including those with disabilities, as well as racial, ethnic, gender and sexual diversity and its implication for treatment. Looks at the effects of fear, prejudice and discrimination experienced by substance use disorder clients.
**Credits** 4.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ASP 100

This course will focus on defining the relapse process, recognizing individual cues that can lead to relapse, as well as devising plans for preventing relapse. Topics include understanding Post-Acute Withdrawal and its role in relapse and relapse prevention.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Instructor Permission

Focuses on the needs of adolescent assessment and treatment. Emphasis on developmental, cognitive, and physiological issues that are complicated by an adolescent's use of alcohol or other drugs. Includes using American Society of Addiction Medicine (ASAM) criteria for the assessment and placement of adolescents in Substance Use Disorder (SUD) treatment.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ASP 100 or Instructor Permission

Counseling theories and techniques for individual counseling of those with Substance Use Disorders (SUD) will be covered. Includes information on counseling techniques such as confrontation, feedback, summarizing, active listening and others. May also include information on theories used primarily in SUD treatment such as the Transtheoretical Model, Motivational Interviewing, etc.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ASP 100 or Instructor Permission

Theoretical foundation of group counseling for Substance Use Disorder treatment. Use of groups in inpatient and outpatient treatment is discussed. Focuses on use of information in groups to foster change and growth, dynamics of group interaction/group composition, goal-setting, managing tasks, roles, and normative boundaries, as well as skill practice.
**Credits** 4.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ASP 100

Focus is on SUD counseling for families, significant others, parents, children, and other family, regarding common issues related to addicted family members. Topics include stages of adaptation, family roles, children of alcoholics as well as models of family therapy including overviews of structural, functional and systems approaches.
**Credits** 4.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ASP 100 or Instructor Permission

This course focuses on legal and ethical issues in the field of Substance Use Disorder (SUD) counseling including legal and professional responsibilities, professional and peer relationships, state and federal rules and regulations including confidentiality and HIPPA regulations, boundaries, and the NADAAC code of ethics.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ASP 100 or Instructor Permission

Focuses on prevention of alcohol/other drug abuse at the community level. Discusses the history of prevention and addiction treatment methods, current research, community education and risk/protective factors, best/promising practices in the field of prevention. Includes information on violence prevention, bullying and cyberbullying related to substance use and violence.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

An advanced course in diagnosing Substance Use Disorders and developing Individual Service Plans using assessment information to individualize the client's treatment goals. Students will practice prioritizing the patient's needs to be addressed in treatment and develop measurable treatment goals and objectives.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ASP 106 and ASP 207

Overview of historical and current views of substance use disorders as well as the body's physical and behavioral response to drugs, including current research and terminology essential for working in the addiction treatment field. Focus on the nature of addictions, causality, progression, assessment, scope, intervention, treatment and prevention.
**Credits** 4.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective

Course covers diagnosis, placement and treatment of substance use disorders. Topics include screening and assessment, use of ASAM placement criteria, treatment planning, documentation and overview of federal and state laws governing the patient in substance use disorder treatment.
**Credits** 4.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective

Counseling theory/techniques for individuals, groups, families and adolescents dealing with substance use disorders (SUD). Focus on theoretical treatment models best suited for SUD treatment.
**Credits** 4.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective

Focus on contemporary legal and ethical issues in the field of substance use disorder counseling including professional and peer relationships, boundaries, NADAAC code of ethics, multiple relationships and values in the counseling relationship and laws surrounding counseling including confidentiality and HIPPA regulations.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Supervised work experience in a chemical dependency treatment agency approved by college faculty.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

# Adult Basic Education

WVC Transitional Studies will serve the diverse NCW region with educational opportunities to develop college and career skills through English Language Acquisition (ELA) and High School Completion programs (GED or HS21).

Students will:

- Develop English Language Learning (ELL) skills
- Develop or improve reading skills
- Develop or improve writing skills
- Develop or improve math skills
- Develop or improve digital literacy skills
- Cultivate transition skills/attitudes needed for college or career entry
- Prepare for high school completion through the HS21 program or GED® testing

Students will explore common computer operations, keyboarding skills, office productivity applications, internet and email content with an online learning management system and provided curriculum.
**Credits** 1.00–5
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.

Explore different parts and types of the computer and operating systems and their functions, use web browsers and search engines, communicate and collaborate online with email, web applications for instant messaging, voice and video call and file management. Learn best practices for sharing information online and internet safety risks.
**Credits** 1.00–5
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.

Students will use technology for research and collaboration. Focus will be on information literacy and ethical use of technology, information, and intellectual property. ABE 13 or equivalent skills recommended.
**Credits** 1.00–5
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.

Foundational English language acquisition skills for non-native speakers. Introduces reading, writing, listening and speaking skills for everyday and academic use, with emphasis on alphabet, simple grammar, pronunciation, common vocabulary and present tenses, using contextual learning and goal-setting activities. Concepts are integrated with appropriate College and Career Readiness Standards Level A.
**Credits** 1.00–10
**Weekly Contact Hours** 10.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.

Basic English language acquisition to improve reading, writing, listening and speaking skills; stresses sentence structure, verb tenses, subject-verb agreement and vocabulary in contextual activities. Concepts are integrated with appropriate College and Career Readiness Standards Level B.
**Credits** 1.00–10
**Weekly Contact Hours** 10.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
Appropriate ELA placement scores, or a grade of "B-" (2.7) or better in ABE 20. Enrollment by permission only.

Basic English language acquisition to improve reading, writing, listening and speaking skills; stresses sentence structure, verb tenses, subject-verb agreement and vocabulary in contextual activities. Concepts are integrated with appropriate College and Career Readiness Standards Level C.
**Credits** 1.00–10
**Weekly Contact Hours** 10.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.

Learners continue development of intermediate reading, writing, speaking and listening skills. Students navigate complex sentences and single paragraph passages for comprehension and effective written communication. Concepts are integrated with appropriate College and Career Readiness Standards Level D.
**Credits** 1.00–10
**Weekly Contact Hours** 10.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
Appropriate ELA placement scores, or a grade of "B-" (2.7) or better in ABE 22 or HSC 22. Keyboarding/word processing skills recommended. Enrollment by permission only.

Learners continue development in reading, writing, speaking and listening to become college and career ready. Students apply advanced English language skills in highly complex, multi-paragraph communicative tasks. Concepts are integrated with appropriate College and Career Readiness Standards Level E.
**Credits** 1.00–10
**Weekly Contact Hours** 10.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
Appropriate ELA placement scores, or a grade of "B-" (2.7) or better in ABE 23 or HSC 23. Keyboarding/word processing skills recommended. Enrollment by permission only.

Foundational mathematical concepts including operations with whole numbers, fractions, decimals, ratios, rates and proportions, percent, and measurement with real-world applications and problem solving. Concepts are integrated with appropriate College and Career Readiness Standards Levels A, B, and C.
**Credits** 1.00–5
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
Appropriate placement scores in English Language Acquisition, or a grade of "B-" (2.7) or better in ABE 22.

Mathematical concepts including real numbers, solving equations and inequalities, exponents and polynomials, factoring, graphing, and systems with real-world applications and problem solving. Concepts are integrated with appropriate College and Career Readiness Standards Levels C, D, E.
**Credits** 1.00–5
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
Appropriate placement scores in Math, or a grade of "B-" (2.7) or better in ABE 40 or HSC 40. Enrollment is by permission only.

Algebraic and geometric concepts including rational and irrational equations, functions, logarithms, and geometric formulas and principles. Includes real-world applications and problem solving. Concepts are integrated with appropriate College and Career Readiness Standards Levels D and E.
**Credits** 1.00–5
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
Appropriate placement scores in Math, or a grade of "B-" (2.7) or better in ABE 41 or HSC 41.

Intensive college orientation activities, through contextual reading and writing assignments. Students develop organizational and communication skills; explore educational and career pathways; become proficient in interactions with college classes, instructors and other students; and learn to navigate college systems. This course may confer HS21+ credit for English, occupational education, or electives.
**Credits** 1.00–5
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
Appropriate placement scores in English Language Acquisition, or a grade of "B-" (2.7) or better in ABE 18 or HSC 18.

This is an individualized, self-paced, variable-credit High School Equivalency emporium course. It may confer High School+ credit in any required subject area as assigned by the instructor after a review of student credit requirements.
**Credits** 1.00–10
**Weekly Contact Hours** 10.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
Appropriate placement scores in English Language Acquisition, or a grade of "B-" (2.7) or better in ABE 23 or HSC 23.

Assists English language learners in career/technical pathways to achieve success and attain certificates or degrees. Course emphasizes subject terminology, concepts, and related literacy/numeracy skills in a college setting, as well as college system navigation and strategies for student success.
**Credits** 1.00–5
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
Appropriate CASAS placement score in listening and reading. Enrollment is by permission only.

Application of Level A and B English language acquisition speaking and listening skills for non-native English speakers. This course focuses on English speaking and listening instruction and practice for everyday and academic use. Pronunciation instruction will preserve natural language learner accent and focus on intelligibility.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
Co-enrollment in ABE 20 or ABE 21 or instructor permission. Course enrollment is by permission only.

Application and development of ELA Level C and D English language speaking and listening skills in contextual situations for non-native English speakers. Emphasizes pronunciation, vocabulary, and usage for everyday and academic purposes. Pronunciation instruction will preserve natural language learner accent and focus on intelligibility.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
Co-enrollment in ABE 22 or ABE 23 or instructor permission. Course enrollment is by permission only.

# Agriculture

Introduction to modern agricultural industries, history, management philosophies, and challenges. Course topics include: food crop production, sustainable resource management, global food demands, and economics. Students will be provided an opportunity to research and explore their career interests and create a strategy for their professional future in agriculture.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
General Elective

Introduction and exploration of the theory and practice of safe operation, maintenance, service and repair of most small engines for agricultural applications. Instruction will also include employment and careers in agricultural mechanics.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Introduction to horticulture studies. Instruction includes: its history and philosophy and core topics in pomology, olericulture, floriculture, viticulture, propagation, growing systems management and strategies. Course will provide students the necessary skills and experiences to explore meaningful career paths in horticulture.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
General Elective

Designed for Latino orchard employees at a supervisory level. Includes basic instruction in Spanish emphasizing technical terminology in English in many facets of tree fruit production; basic math, practice in reading, writing, speaking and listening in English based in horticultural topics; and presentations of subjects concerning everyday life and citizenship. (Previously offered as AGRI 5)
**Credits** 19.00
**Weekly Contact Hours** 19.00
**Meets Degree Requirements For**
Restricted Elective

Designed for Latino employees who have satisfied all the requirements of the first-year program (AGRI 5 or AGRI 120). Offers in-depth instruction in tree fruit production, applied English terminology and math. Includes presentations of subjects concerning everyday life and citizenship. (Previously offered as AGRI 6)
**Credits** 19.00
**Weekly Contact Hours** 19.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
AGRI 5 or AGRI 120

Intensive IPM program prepares Latino orchard employees as pest management scouts. Instruction, mostly in Spanish, emphasizes English terminology. Includes study of pests, field sampling techniques, pest management basics and record keeping. Includes basic math, reading, writing, speaking and listening in English, and discussion of everyday life and citizenship. (Previously offered as AGRI 15)
**Credits** 19.00
**Weekly Contact Hours** 19.00
**Meets Degree Requirements For**
Restricted Elective

Taught in Spanish, this course introduces the principles and practices of farm management, including goal setting, developing a record-keeping system, cash flow, farm financial statements, balance sheets, budgets, personnel management, laws and regulations, legal forms, and food safety. (Previously offered as AGRI 16)
**Credits** 19.00
**Weekly Contact Hours** 19.00
**Meets Degree Requirements For**
Restricted Elective

Taught in Spanish, this course introduces the production and management of wine grapes and their juices. Includes plant physiology, canopy management, soils, irrigation, plant nutrition, thinning, harvest, storage, marketing and vineyard financial management. (Previously offered as AGRI 17)
**Credits** 19.00
**Weekly Contact Hours** 19.00
**Meets Degree Requirements For**
Restricted Elective

Taught in Spanish. Offers more in-depth information about the production systems and management of wine grapes and their juices. Includes site selection and vineyard establishment, soils, pests and irrigation management, human resources, vineyard business plan, marketing and whole farm ecosystems. (Previously offered as AGRI 18)
**Credits** 19.00
**Weekly Contact Hours** 19.00
**Meets Degree Requirements For**
Restricted Elective

Intensive technical instruction to prepare Latino vineyard employees as pest management scouts and to introduce them to basic vineyard economics and management. Instruction is mostly in Spanish, emphasizing terminology in English. The purpose of this course is to prepare students for mid-management and management positions. (Previously offered as AGRI 19)
**Credits** 19.00
**Weekly Contact Hours** 19.00
**Meets Degree Requirements For**
Restricted Elective

Explores the significant aspects of modern agricultural systems, mechanization and sustainable technology industries. Instruction will include such topics as cropping and food processing, power and delivery, mechanics, maintenance and repair, soil, water, air conservation and employment and careers in agricultural technologies and related industries.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Provides a comprehensive introduction to the agricultural disciplines of the plant science world. Instruction includes plant classification, plant anatomy, physiology, and propagation; the interactions of soil, water and temperature; and dynamic plant science subjects such as genetic engineering and biotechnology.
**Credits** 2.00
**Weekly Contact Hours** 2.50
**Meets Degree Requirements For**
Restricted Elective

This course is designed to introduce students to soil science, the formation of soils, its classification, physical and chemical properties, soil fertility, life in the soil and plant nutrition. Instruction will introduce students to the impact healthy soils have on plant and animal communities and the ecosystems of our state.
**Credits** 3.00
**Weekly Contact Hours** 3.50
**Meets Degree Requirements For**
Restricted Elective

Schedule and participate in industry-related activities that enhance leadership capabilities. With guidance from an instructor, students develop a written plan outlining the anticipated leadership experience and complete a portfolio detailing the completed experiences with a self-assessment of the leadership qualities gained. Out-of-pocket fees/expenses may be required.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to working environment. An expanded portfolio of learned experiences will document the specific abilities gained through working cooperatively in a business.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Classification, morphology, anatomy, growth and development, ecology and management of arthropod, weed, disease and vertebrate pests and their natural enemies. History of pest management that includes development of IPM strategies and tactics and how they are utilized in ecologically-based pest management programs.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective

Lecture and lab oriented class emphasizing the use of integrated pest management (IPM) in horticulture situations of the Pacific Northwest. Identification and biology of insects, mites, diseases, and weed pests that affect plants. Hands-on experience with current methods for monitoring and managing major pests.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective

Develops an understanding of basic plant morphology and physiology emphasizing horticultural science and fruit tree crops. Topics include form and function of plants, plant metabolism, plant growth and development, reproduction, techniques of fruit tree improvement, and plant/environment interaction.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Introduction to the horticultural principles and practices used in deciduous tree fruit production and orchard management. Topics include cultivars, root stocks, climate and environment, orchard systems, orchard establishment, pruning and training, flowering, pollination, fruit set, fruit growth and thinning, fruit maturation, harvest and storage, hardiness, and acclimation.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Introduction to basic concepts of soil science, plant nutrition and water management. Topics include soil formation and development, soil structure and composition, physical properties of soils, soils mineralogy, soil chemistry, soil fertility, fertilizers, irrigation management, and plant, soil and water relationships.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective

In-depth studies of principles and practices of deciduous tree fruit production in the Northwest, including: fruit maturation and ripening, indexes of maturity, harvesting, fruit tree acclimation, hardiness, fruit anatomy, cultivar identification, rodent control, and orchard floor management.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Principles and practices of deciduous tree fruit production in the Northwest, including pruning, formation and renovation of bearing trees, care of non-bearing trees, rootstocks, inter-stems, dwarf fruit trees, tree structure, growth, orchard systems, orchard establishment in new and old sites.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

In-depth studies of principles and practices of deciduous tree fruit production in the Northwest. Includes flower bud initiation and development, pollination, fertilization, pollenizers, fruit set and development, thinning and alternate bearing, frost control, fruit tree propagation, and summer pruning.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

In this course, learn to grow and harvest vegetables, fruits and herbs organically. Learn to prepare and sell produce to local organic markets.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

In-depth study of organic plant nutrition. Emphasis will be on how essential nutrients affect plant growth and development and food production, including the inter-relationships between organic nutrients and soil fertility. Composting and soil building practices will be emphasized.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Examination of social, economic and ecological consequences of the modern, industrial agriculture paradigm. Topics include history of agriculture, worldviews, the sustainability concept, alternative agriculture systems, world food systems, agroecology, ecological economics, biotechnology, local food systems and the geography of hunger.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

The second level of Cooperative Work Experience is intended to continue providing authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment. An expanded portfolio of learned experiences will document the specific abilities gained through working cooperatively in a business.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

# American Indian Indigenous Studies

AIIS courses provide Native and non-Native students with the opportunity to learn the rich history and cultural heritage of the Indigenous peoples of North America. As an interdisciplinary program, it draws from the humanities, social sciences, and natural sciences, and captures many of WVC Abilities Outcomes, including cultural diversity. The program also aids WVC in developing a stronger relationship with the Confederated Tribes of the Colville Reservation. In addition, the program syncs well with Since Time Immemorial, the Washington state mandate requiring curriculum in American Indian culture and history in K-12 public education. Finally, these AIIS courses will help further build the pathway between WVC AIIS and UW AIS.

Introductory course to American Indian Studies as an interdisciplinary academic field of study centered on the experiences and perspectives of Indigenous peoples of North America. Topics include the development of AIIS and how it fits with key terms, concepts, and legislation that have influenced Indigenous peoples and communities for centuries.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

This course introduces students to the origins, histories and cultures of the diverse Indigenous peoples of the Pacific Northwest. Students will explore content largely presented through Indigenous perspectives that include both historical and contemporary narratives.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

This course explores American Indian/Indigenous education from multiple perspectives, beginning with traditional Indigenous educational systems, then following through colonial, federal, and contemporary education institutions. Impacts of these differing pedagogies are evaluated through the lens of education as both a tool of assimilation as well as a tool of empowerment.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

Analyze American Indian and Indigenous representation in film through the eras of American cinema. Presentation of storylines, images, languages, people, and places are explored from classic westerns through contemporary Indigenous-produced films. The ongoing impacts of the full range of these films are assessed within diverse audiences and collective society.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Humanities

Contemporary topics explored include treaty and water rights, natural resource management and extraction, gaming, food sovereignty, education, and community health and wellness. Issues are examined individually as well as how they interrelate with each other within the sovereignty of Indigenous nations across North America.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

Exploration of the literary diversity of contemporary Indigenous authors, including novels, autobiographies, short stories, and poetry. Consideration of how these texts are used as a means of Indigenous expression and resistance to colonization. Texts include those from pivotal authors such as N. Scott Momaday, Vine Deloria, Jr., and Louise Erdrich.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Humanities

The first half of a two-quarter survey of Native American history. Examines the interactions between the Indigenous populations of North America and the changing economic, social and political environments from pre-European contact until 1815.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

This course picks up where AIIS 209 left off at the end of the War of 1812. Examines the changing relationships in North America between Native and non-Native peoples and communities, and the events that defined them.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

Explore the historical and contemporary roles and influences of Indigenous women in North America. Their diverse experiences are considered from both the individual and collective perspectives, beginning within traditional communities, through Euro-American colonization, and into contemporary efforts to decolonize the position of Native women in both Native and mainstream societies.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

Survey of the interaction between the Native American populations of North American and the changing economic, social and political environments.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

Survey of the political, economic, social and spiritual changes affecting the 12 diverse nations of the Confederated Tribes on the Colville Reservation.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

# American Sign Language

Introduction to the fundamentals of ASL using immersion. Teaches basic conversational skills, grammar, syntax and fingerspelling. Emphasis is placed on developing receptive and expressive signing skills for everyday communication. Introduction to historical and cultural aspects of the deaf community. This course has online components and meets either online or in person. Refer to course catalog for options.

**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Second course in ASL sequence. Continued vocabulary and grammar development and practice of conversational skills. Additional information regarding the history and culture of ASL and the deaf is explored. Instruction conducted primarily in ASL.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
A grade of "C" or higher in ASL& 121 or with instructor approval.

Continuation of ASL&122. Further development of conversational skills, including grammar and deaf culture information. Communicative proficiency is the main objective of the sequence. Successful completion would prepare the student to enter the second-year sequence of ASL classes.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
A grade of "C" or higher in ASL& 122 or with instructor approval.

Continuation of ASL&123. Focuses on review, expanding non-manual behaviors and perfecting expressive skill, syntax, and vocabulary for the purpose of active communication.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
A grade of "C" or higher in ASL& 123 or with instructor approval.

Continuation of ASL&221. Focuses on expanded student discourse and narratives. Special emphasis on role-shift variations, organizational structures, analysis and application of: classifiers, non-manual markers, lexical fingerspelling, and numerical incorporation. Includes an introduction to ASL Poetry.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
A grade of "C" or higher in ASL& 221 or with instructor approval.

Continuation of ASL&222. Emphasizes increased fluency with ASL narratives and storytelling. Course focuses on specialized ASL vocabulary for survival/ social situations, organizational structures and conversational behaviors within the deaf community.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
A grade of "C" or higher in ASL& 222 or with Instructor approval.

ASL 101 is an intermediate level course designed to enhance student proficiency in American Sign Language through the exploration of fingerspelling, handshape stories, and numerical incorporation in ASL. This course is a focused practice in comprehension and production of finger-spelled words and numbers with emphasis on clarity and accuracy. Introduction to lexicalized fingerspelling and numeral incorporation with a unit on ASL Storytelling and classifiers. Expressive skills focus on the development of speed, clarity, and fluency. Prerequisite: Completion of ASL&121 with a minimum grade of 'C' or instructor approval.

**Credits** 5.00
**Weekly Contact Hours** 50.00
**Meets Degree Requirements For**
General Elective, Humanities
**Prerequisites**
Must complete ASL&121 with a grade of 'C' or better or obtain instructor approval.

This course addresses psychosocial and sociocultural factors that define Deaf people as members of a linguistic and cultural minority. The history, language, values, and traditions of the deaf community will also be examined. Review of selected literature on Deaf culture including norms, values, cross-cultural and beliefs will be included.
**Credits** 4.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Humanities

Introduces gestures as a form of communication and basis for visual language. Practice in reading body language and using nonverbal signals when there is no shared language. Develop communication strategies to enhance understanding and reduce misinterpretation when interacting with various cultures. Concentrates on the ability to think in pictures, leading to better understanding of the basic structures of American Sign Language.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Regular courses designed to deal with unique subjects or timely topics conducted by qualified faculty. May be repeated with different topics.
**Credits** 5.00
**Weekly Contact Hours** 5.00

# Anthropology

Anthropology is holistic. It encompasses the study of humans as both biological and cultural beings and considers human diversity throughout time and in all places. Anthropology takes into account how historical, political, economic, environmental, and religious aspects of human society are influenced, and shaped by human culture. Anthropology courses are designed to immerse students in different ways of knowing and experiencing the world to develop a greater sense of cultural relativism and thus, provide an essential foundation for an educated and tolerant public. Anthropology courses engage student's critical thinking skills and prepares them for a diverse, global world and workplace.

This course provides an introduction to the subfields of anthropology: biological anthropology, archaeology, anthropological linguistics, and sociocultural anthropology. The class explores what it means to be human through a holistic approach, which examines the physical and social context of the human experience.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

Archaeology is the study of human history and culture through the analysis of artifacts and physical remains. This course is an introduction to the method and theory in archaeology as a sub-field of anthropology. Students will learn basic concepts, techniques, paradigms, and problems in archaeology.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

This course introduces the field of biological anthropology and the research techniques used by biological anthropologists. It accomplishes this through the examination of human evolution, primate biology and behavior, and evolutionary explanations for modern human variation.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab

The course introduces the field of cultural anthropology; the study of human cultures, practices, and differences. Basic foundations of cultural anthropology will be covered, including ethnographic theory and methodology.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

Survey of major subfields of linguistics including phonetics, phonology, morphology, syntax, semantics, language acquisitions, and sociolinguistics.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science
**Prerequisites**
ENGL 97 with a grade of C (2.0) or better or Instructor Permission

An overview of the culture and culture areas inhabited by the Sahaptian and Salish nations of the Plateau Region. A historical and contemporary view of the life ways, including Indian/non-Indian relations, adaptations and effects of contact on the Salish and Sahaptian cultures in the Plateau Region.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

This is a discussion/seminar-oriented approach to cultural comparisons. Two or more cultural experiences will be compared with the American example and non-ethnocentric conclusions reached.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

# Art

Appreciation of various visual art forms with emphasis on the history, materials and aesthetics of art (not a studio course).
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Introduction to the elements and principles of two-dimensional design and composition. Includes study of planar structure, depth illusions, figure-ground relationships and color theory.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance

Introduction to the elements and principles of sculpture and three-dimensional composition through a variety of processes and materials. Emphasis on spatial structure, basic volumes, and relationships of form and space.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance

Introduction to the principles of drawing from observation. Investigation of proportion, modeling and perspective with various drawing media.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance

Introduction to the principles and processes of drawing the human figure. Investigation of proportion, gesture and composition with various drawing media from live models.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance

Continuation of study of the principles of drawing from observation, with investigation of proportion, modeling and perspective in various drawing media.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance

Continuation of study of the principles and processes of drawing the human figure. Investigation of proportion, gesture and composition with various drawing media from live modes.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance

Continuation of study of the principles and processes of drawing the human figure. Investigation of proportion, gesture and composition with various drawing media from live models.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance

An introductory, comprehensive step-by-step instruction and explanation of the 'how' and 'why' behind the industry standard software skills of Adobe Creative Suite, including InDesign, Photoshop and Illustrator. Students will be introduced to each feature as they work through information, including projects, reviews and step-by-step tutorials.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance

Study of industry-standard software and how to integrate these programs into seamless communication, while producing works that conform to design principles and client expectations. Learn essential graphic-design terminology and continue developing knowledge and skills through advanced, hands-on projects implementing vector illustrations, page layouts, image manipulation and typography.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 130 or Instructor Permission

Provides an introduction to computer-aided three-dimensional modeling technology used by designers in various disciplines including industrial design, graphic design, web design, game design, sculpture, and animation.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance

Provides further development of skills in the computer-aided three-dimensional modeling technology used by designers in various disciplines including industrial design, graphic design, web design, game design, sculpture, and animation. Focus is on developing advanced skills in rendering and presentation.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 132 or Instructor Permission

Introductory studio inquiry into graphic communication, including concepts and practical applications of traditional and contemporary visual art. Covers symbols, typography, information design, visual concepts and three-dimensional graphic design. Lectures, readings, demonstrations, slide presentations and group exercises are applied to visual problem solving, using digital hardware and software tools.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance

Covers foundations of two-dimensional visual graphic design, using basic computer skills, techniques and technology. Classic design elements of balance, harmony, variety and other design principles are explored and employed toward projects covering line and shape, type combinations, typography as design elements, color composition, drawing, photo, and collage.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance

Focuses on using typography as the primary visual in design exploration, with text introduced as a design element. Includes font classification, composition and production techniques. Projects cover typographic history, effective use of type and letterforms, and working knowledge of effective typographic methodology to creatively solve communications problems.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance

An introduction to fundamentals of digital photography. Topics include learning to use and understand digital cameras, shooting techniques, lenses, correct exposure, lighting, composition, creative image enhancement and manipulation. Includes instruction on skills useful for graphic design.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance

This foundation class for graphic designers identifies issues specific to publications and ways in which design principles and techniques are applied to solve them. Topics include effectively organizing content, using type and color, understanding the development of functional and visually engaging compositions, understanding visual and informational hierarchy, and typography.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance

Introduction to the study of techniques and methods used in illustration. Concentrated practice in working with available media and techniques, with emphasis on the use of design elements in creating effective graphics for visual advertising and journalistic communications.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance

Advanced study of techniques and methods used in commercial illustration projects. Concentrated practice on a variety of media and techniques, including digital media, in order to create effective imagery for visual communication.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 141

Study and practice of techniques and methods used in commercial illustration projects, with subjects and applications related to the Natural Sciences. Using research and observation of specimens, the course provides concentrated practice on a variety of media and techniques, including digital media, in order to create effective imagery for visual communication.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance

Introduction to the history, methods, materials, skills and equipment for creating ceramic design. Work in hand methods, wheel throwing, glazing and firing.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance

Continued study and work in the methods and skills for creating ceramics.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 150

Continued study and work in the methods and skills for creating ceramics.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 151

Sculpture 1 follows 3D Design as a further investigation of three-dimensional form in art, including experience with subtractive, additive, modeling and casting processes. This project-based course focuses on developing the skills to work with traditional and non-traditional sculpture materials.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 107

Sculpture 2 follows Sculpture 1 as a further investigation of three-dimensional form in art, including advanced experience with subtractive, additive, modeling, and casting processes, along with theoretical and conceptual practices of object making. The creative process is developed through projects that emphasize creative expression and the sculptural work's presentation.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 154

This course teaches students the concepts and skills of building a theme-based photographic portfolio as they explore photography as part of interdisciplinary methods. Students will create related bodies of work that illustrate a single topic as they develop a personal vision and style, refine their technical craft and creative practice. Class sessions will include discussions, peer activities, lectures, demonstrations, studio practice, assignments, and self-directed research. Students will produce multiple photographic projects and a professional final portfolio that is driven by their interests and intended to display their skills and concepts to external audiences.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
NONE. Pairs well with ART 138 Digital Photography.

In this course, students will learn to create compelling video stories. From framing, lighting, and shot composition to narrative structure and sound design, this class will guide students through the essentials of visual storytelling. Students will explore how to apply professional methods like storyboarding, directing, and editing. Perfect for beginners, this course will help students craft polished, impactful videos by blending modern convenience with classic film practices, all while using accessible technologies such as a smartphone camera. With the rise in video advertising, social media, instructional videos, news, and more, the skillset acquired in this course is an added asset to many jobs and careers.
**Credits** 5.00–5
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance

Introduction to the history of art. Survey of the art and architecture of Western Civilization from prehistoric through Gothic periods.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Introduction to the history of art. Survey of the art and architecture of Western Civilization from Renaissance through Neoclassical periods.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Introduction to the history of art. Survey of the art and architecture of Western Civilization from Romantic through Modern periods.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

An introduction to contemporary art history and the concerns of artists generally from the 1970s to the present. Will include discussion of artists who have been historically excluded, overlooked, or marginalized from major academic art history traditions.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Humanities

Studio problems and individual development in intaglio printmaking. Includes drypoint, line etching, and aquatint using traditional copperplate processes.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance

Studio problems and individual development in relief printmaking. Includes black and white, color, subtractive, and multiblock processes.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance

Introduction to the principles and processes of oil and/or acrylic painting. Investigation of color and composition with various studio subjects.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance

Continued study of the principles and processes of oil and/or acrylic painting.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 210

Continued study of the principles and processes of painting.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 211

Introduction to the principles and processes of transparent watercolor painting. Investigation of color and composition with various studio and outdoor subjects.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance

Introduction to basic materials, cultural styles and techniques of Native American beading. Three-color Peyote stitch and two-needle flatwork articles will be created.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance

Continued study in the materials, cultural styles and techniques of Native American beading. Seven colors for Peyote stitch and flatwork with student-researched designs.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 217

Advanced study of the materials, cultural styles, and techniques of Native American beading, including beading onto leather and completion of a large project.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 218

Advanced study of the principles and processes of oil and/or acrylic painting. Emphasis on development of individual approaches to form and media. May be repeated.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 212

Advanced study of the theory and practice of drawing. Emphasis on the development of individual approaches to form and media.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 113

Introduction to the art of printmaking, including studio problems and individual design development. Students will learn to use intaglio and relief processes to create editions of fine art prints.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance

Advanced study of the theory and practice of printmaking. Emphasis on the development of individual approaches to form and media.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 206 or ART 208 or ART 224

Packaging design combines marketing and graphics with an emphasis on three-dimensional design. Packages are analyzed and positioned from a marketing point of view. Brand marks, visual graphics and color schemes are developed for individual products and more sophisticated related product lines. Typical assignments include food, fragrance and mass-market packaging designs.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 135

Studio course covering the process and purpose of graphic design. Projects include developing graphic design solutions for logos, branding, book jackets, packaging, posters, and advertising. Components of the design process including typography, layout, two-dimensional design principles, the job search, and student portfolios will be covered.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 139

Introduction to Web Graphic Design stressing fundamental principles and their application to the web. Beyond mastering technical details of software, the course focuses on the essential building blocks of color, type, and layout, in working toward professional, appealing and functional website designs.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 234

Capstone class investigates each phase of the branding process through comprehensive coverage of key brand applications in graphic design and advertising. Gain insight into the art of designing individual brand applications: brand identity, promotional design, identification graphics, websites and advertising. Develops strategies for generating ideas and creating brands.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 235

Advanced study of the theory and practice of ceramics. Emphasis on the development of individual approaches to form and media. May be repeated.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 152

Advanced Sculpture builds upon skills from previous sculpture classes, developing greater technical and conceptual skills in three-dimensional visual art practices. Students develop a sophisticated body of three-dimensional work, and a directed, productive approach to studio practice.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 155

# Astronomy

The WVC Earth Sciences Department is committed to offering comprehensive courses that promote understanding the Earth and the Universe. Courses

range from those designed for the non-science major to Earth Science major transfer students in Geological Sciences, Astronomy, Meteorology, Climatology, and geological or hydrological Environmental Science.

Explore the universe through scientific analysis of astronomical images, observations and measurements. Learn the history of astronomy, the nature of light, how to locate and identify objects in the night sky, how the solar system originated, stars, galaxies, and the expansion of the universe. Indoor and outdoor laboratory exercises.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
MATH 93 or higher

# Automotive Technology

The automotive technology program is designed to prepare students for a career in the automotive repair field. It combines theory classes with practical shop work to properly train students for entry-level into the automotive industry.

Automotive Service Excellence (ASE) certification through National Technicians Education Foundation (NATEF) evaluation ensures that certified training programs meet or exceed industry-recognized, uniform standards of excellence. Graduates of the program will have achieved competencies based on ASE tasks. Student achievement will be based upon demonstrated performance ability and testing in all required areas, which promotes individualized instruction.

Includes use and maintenance of special tools and equipment, service and repair record keeping, use of technical reference materials, and regulations governing the automotive repair industry. Special emphasis placed on development of a positive attitude toward personal safety, a safe workplace and treatment of hazardous materials.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Automotive Tech Program

Modular, self-paced course presenting fundamental principles and terminology. Ohm's Law, wiring diagrams, diagnostic and test instruments. Diagnosis and repair of batteries, starting systems, charging systems, lighting systems, operator information systems, and on-board body, computer control systems. Leadership and human relations are an integral part of instruction.
**Credits** 5.00
**Weekly Contact Hours** 7.50
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Automotive Tech Program and AUTO 100 Completed or Concurrently Enrolled

Modular, self-paced course covering internal combustion engine mechanical systems, components and operation. Diagnosis of component systems malfunctions. Practical application in cylinder head reconditioning and repair. Leadership and human relations are an integral part of instruction.
**Credits** 4.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Automotive Tech Program and AUTO 100 Completed or Concurrently Enrolled

Modular, self-paced instructor-guided course encompassing spark-system management, fuel-system management, emissions control, computerized engine control systems sensors and actuators, and use of diagnostic equipment. Leadership and human relations are an integral part of instruction.
**Credits** 5.00
**Weekly Contact Hours** 7.50
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Automotive Tech Program and AUTO 100 Completed or Concurrently Enrolled

Modular self-paced course of study of theory, application, diagnosis and repair of fluid power, hydraulics, power transmission and final drive units as applied to automatic transmissions and trans-axles. Leadership and human relations are an integral part of instruction.
**Credits** 5.00
**Weekly Contact Hours** 7.50
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Automotive Tech Program and AUTO 100 Completed or Concurrently Enrolled

Modular, self-paced course of study in theory, diagnosis, adjustment and repair of manual drive train components including clutch, transmission, driveline and axles. Leadership and human relations are an integral part of instruction.
**Credits** 5.00
**Weekly Contact Hours** 7.50
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Automotive Tech Program and AUTO 100 Completed or Concurrently Enrolled

Study and application of automotive suspension and steering systems. Studies include two-wheel and four-wheel alignment, diagnosis, adjustment, and repair of systems and system components. Leadership and human relations are an integral part of instruction.
**Credits** 5.00
**Weekly Contact Hours** 7.50
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Automotive Tech Program and AUTO 100 Completed or Concurrently Enrolled

Modular course covering theory and the use of scan tools in the diagnosis, adjustment and repair of automotive brake systems including brake hydraulic systems, drum-brake and disc-brake systems, brake power boosters, parking brake systems and anti-skid brake systems. Leadership and human relations are an integral part of instruction.
**Credits** 7.50
**Weekly Contact Hours** 10.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Automotive Tech Program and AUTO 100 Completed or Concurrently Enrolled

Modular self-paced course on automotive heating and air conditioning systems, including diagnosis, service and repair of system components, theory of operation, and system controls. Leadership and human relations are an integral part of instruction.
**Credits** 7.50
**Weekly Contact Hours** 10.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Automotive Tech Program and AUTO 100 Completed or Concurrently Enrolled

For first-year automotive students who require extra project laboratory time to update or enhance their skills to meet program or certification requirements. Students will be directed to complete ASE/NATEF tasks. Graded on a pass/fail basis.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Automotive Tech Program

For first-year automotive students who require extra project laboratory time to update or enhance their skills to meet program or certification requirements. Students will be directed to complete ASE/NATEF tasks. Graded on a pass/fail basis.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Automotive Tech Program and Auto 100 and Auto 113

For first-year automotive students who require extra project laboratory time to update or enhance their skills to meet program or certification requirements. Students will be directed to complete ASE/NATEF tasks. Graded on a pass/fail basis.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Automotive Tech Program and Auto 114 and Auto 116

Designed to provide students with on-the-job practical field experience. One credit for each five hours of work experience per week.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Modular, self-paced course presenting fundamental principles and terminology. Ohm's Law, wiring diagrams, diagnostic and test instruments. Diagnosis and repair of batteries, starting systems, charging systems, lighting systems, operator information systems, and on-board body, computer control systems. Leadership and human relations are an integral part of instruction.
**Credits** 7.50
**Weekly Contact Hours** 10.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Automotive Tech Program and AUTO 100 Completed or Concurrently Enrolled

Modular, self-paced course covering internal combustion engine mechanical systems, components and operation. Diagnosis of component systems malfunctions. Practical application in cylinder head reconditioning and repair. Leadership and human relations are an integral part of instruction.
**Credits** 5.00
**Weekly Contact Hours** 7.50
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Automotive Tech program and AUTO 100 and AUTO 112, or Instructor Permission

Modular, self-paced instructor-guided course encompassing spark-system management, fuel-system management, emissions control, computerized engine control systems sensors and actuators, and use of diagnostic equipment. Leadership and human relations are an integral part of instruction.
**Credits** 7.50
**Weekly Contact Hours** 10.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Automotive Tech program AUTO 100 and AUTO 113 or Instructor Permission

Course covering theory and the use of scan tools in the diagnosis, adjustment and repair of automotive brake systems including brake hydraulic systems, drum and disc-brake systems, brake power boosters, parking brake systems and anti-skid brake systems. Leadership and human relations are an integral part of instruction.
**Credits** 5.00
**Weekly Contact Hours** 7.50
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Automotive Tech program, AUTO 100 and AUTO 117, or Instructor Permission

Course covering theory and the use of scan tools in the diagnosis, adjustment of automotive engine control systems, including can and lan systems. Use of factory and aftermarket diagnostic equipment, use of oscilloscopes to interpret electrical waveforms, primary and secondary ignition systems. Use of low and high-pressure fuel injection tools. Leadership and human relations are an integral part of instruction.
**Credits** 5.00
**Weekly Contact Hours** 7.50
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Automotive Tech program AUTO 100 and AUTO 113, or Instructor Permission

Designed as a review of previously completed classes as selected by the student and the advisor/instructor for the purpose of review and/or area specialization. Course outline consists of a composite of the learning competency packets that the student has completed during previous participation in automotive classes.
**Credits** 15.00
**Weekly Contact Hours** 20.00
**Meets Degree Requirements For**
Restricted Elective

Modular, self-paced course covering internal combustion and mechanical systems of diesel engine components and operation. Diagnosis of component systems malfunctions and practical application in diagnosing cylinder block and head performance and repair. Leadership and human relations are an integral part of instruction.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective

Intermediate course focusing on the function, properties and characteristics of diesel fuel. Learn about high- and low-pressure fuel systems, hydraulically actuated electronic unit injector systems and high pressure common rail fuel injection systems. Students will also learn about air intake systems including turbo/blower applications.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective

Advanced course focusing on exhaust gas re-circulation and exhaust after treatment systems and components. Identify and learn the purpose of onboard diagnostics, and learn to use scan tools and lab scopes in the diagnostic procedures of OBD fault detection and emissions monitors.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective

For second-year automotive students who require extra project laboratory time to update or enhance their skills to meet program or certification requirements. Students will be directed to complete ASE/NATEF tasks. Graded on a pass/fail basis.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Automotive Tech Program and completion of the First Year Certificate

For automotive students who require extra project laboratory time to update or enhance their skills to meet program or certification requirements. Students will be directed to complete ASE/NATEF tasks. Graded on a pass/fail basis.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Automotive Tech Program and completion of the First Year Certificate

For automotive students who require extra project laboratory time to update or enhance their skills to meet program or certification requirements. Students will be directed to complete ASE/NATEF tasks. Graded on a pass/fail basis.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Automotive Tech Program and AUTO 217

Designed to provide students with on-the-job practical field experience. One credit for each five hours of work experience per week.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

# Behavioral Health

Wenatchee Valley College (WVC) and Big Bend Community College (BBCC) are offering a Bachelor of Applied Science (BAS) Degree in Behavioral Health (BAS-BH). The degree is offered in collaboration between the two colleges resulting in both institutions being authorized to confer the credential.

The BAS-BH program is integral to fulfilling WVC and BBCC's missions and meeting their strategic priorities.

The BAS-BH program helps WVC meet its mission to Serve the educational needs in its service district and core theme Responsiveness to local needs and BBCC's mission element to Serve as a Bridge while also achieving the strategic priority of Enrollment Growth and Diversification by expanding baccalaureate options for local, place-bound students seeking a baccalaureate education within their community, while also addressing local employer workforce needs. The BAS-BH program will bolster enrollment of online, place-bound, Hispanic-identifying, and adult students through innovative student support services and program outreach.

BBCC and WVC have designed the BAS-BH program in a very intentional way to support students' persistence and completion of the program, thereby fulfilling both colleges' mission and strategic priorities to Support for Success.

This program will extend higher education pathway options for students across numerous certificate and associate degree options and lead to a high demand behavioral health career, grounded with a family-sustaining wage and opportunities to expand across industries and graduate studies.

To align with industry needs for the new Behavioral Health Support Specialist (BHSS) credential, upper-division BAS Behavioral Health course outcomes align with University of Washington's BHSS Clinical Training Program meta-competencies and each colleges' institutional program outcomes.

Emphasizes understanding addictions including historical and current implications of addiction as well as the Americans with Disabilities Act and social, cultural, political, and economic contexts of addiction. Introduction to basic pharmacology of alcohol/other drugs, assessment criteria, symptoms of addiction, and signs of recovery efforts.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

This course investigates the variety of ways we can reduce the impacts of common mental health disorders. Reviewing evidence-based research, students survey the range of treatment options for common mental health disorders such as psychotic disorders, bipolar disorders, depressive disorders, anxiety disorders, personality disorders, and trauma-related disorders.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to BAS-BH Program.

This course examines how cultural, biological, and social diversity affect behavioral health and healthcare. It presents current theories and practices for working with diverse populations in the behavioral health field and fosters the understanding and application of cultural diversity, cultural humility, self-awareness, social justice, and advocacy.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to BAS-BH Program.

This course provides a broad understanding of ethics, legal standards, and professional responsibilities in behavioral healthcare. Students explore behavioral health professionals' responsibilities to themselves, clients, colleagues, and society. The course facilitates an understanding of ethical standards and ethical decision-making, professional boundaries, confidentiality, and federal and state laws pertaining to specific populations and situations in behavioral healthcare.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to BAS-BH Program.

This course prepares students for practicum and employment. Activities include identifying professional goals, identifying relevant positions, self-assessment, application preparation, and preparation for supervision and consultation. Special attention will be given to wellness and self-care to promote health and longevity personally and professionally.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Prerequisites**
Acceptance to BAS-BH Program.

This course introduces the structures and processes of the human brain. Designed for non-science majors, the course emphasizes the relationships among biology, emotions, thoughts, and behavior.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to BAS-BH Program.

This course is an overview of case management within the context of healthcare and human services. Students develop observation, problem-solving, documentation, and relationship building skills through the exploration of the case management process which includes client engagement and assessment, care planning, resource acquisition, and care coordination.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to BAS-BH Program.

This course introduces the skills necessary to screen clients for common mental health conditions, service eligibility, complete intake processes, conduct comprehensive biopsychosocial assessments, and partner with clients to develop effective plans to achieve client-identified goals. Students are prepared to serve as effective helpers, carefully exploring their clients' situation to develop insight before taking action.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to BAS-BH Program.

This course provides a comprehensive survey of the major contemporary theories of counseling, as well as their implications for practice. Core topics such as historical background, key concepts, the counseling process, counseling techniques and procedures, multicultural perspectives, and evaluation are examined for each theory. Students are given the opportunity to conceptualize selected case studies, decide on appropriate counseling interventions, and practice a variety of techniques that are commonly used in counseling practice.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to BAS-BH Program.

Through supervised clinical experience, students begin hands-on training in a behavioral health/human service field. Skills focused upon may include intake interviewing, case management, assessment of client/consumer needs, intervention strategies to meet those needs, individual and group counseling, outreach activities, documentation, use of community referral and networking resources, collaboration with colleagues, inter-agency communication, and professional growth. Ninety hours of recorded clinical experience are required.
**Credits** 5.00
**Weekly Contact Hours** 9.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Pre-requisite minimum of 25 credits in BH program; BH& 400; or instructor permission

This course is a continuation of supervised clinical experience, building on the skills and experience gained in Practicum I. Students are exposed to new clients, professionals, and services in behavioral health/human services. In collaboration with practicum supervisors and agency staff, students will work on new skills. Ninety hours of recorded clinical experience are required.
**Credits** 5.00
**Weekly Contact Hours** 9.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Pre-requisite BH& 491 or instructor permission

This course provides students opportunities for continued practice in behavioral health/human services while actively providing services to clients, implementing developed skills. Students will have more opportunities for unsupervised work and collaboration with a variety of team members and community partners. Students will demonstrate synthesis of the knowledge, skills, and values developed through their education. Ninety hours of recorded clinical experience are required.
**Credits** 5.00
**Weekly Contact Hours** 9.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Pre-requisite BH& 492 or instructor permission

Students will be introduced to behavioral and social services, including history, philosophy, and current delivery systems to a diverse client population.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to BAS-BH Program.

Students will learn to enhance the effectiveness of therapeutic counseling groups by examining a variety of roles, models, and norms of group work. Students will develop therapeutic group leadership skills through facilitation of simulated group sessions.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to BAS-BH Program.

This course explores the science of addiction, including current research on both substance and behavioral addictions and recovery. Topics covered include current research on addiction, barriers to successful recovery, various treatment models including medication assisted treatment, the impact of trauma, cultural and generational impacts of addiction, as well as the effects of adverse experiences such as poverty, inadequate access to services and others.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science
**Prerequisites**
PSYC& 100

# Biology

The WVC Biology Department is committed to offering comprehensive courses that promote understanding of life in all its forms. Courses range from those designed for the non-science major to allied health prerequisites and Biology major transfer students. The department offers a wide variety of courses designed to meet the general educational, pre-professional and overall academic goals of WVC students.

Covers the basic biological principles and processes for the non-science major. Includes a basic survey of cell biology, inheritance, reproduction, genetics, classification, evolution, ecology and principles of living systems. Includes laboratory.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab

Introduction to the structure and function of cells, metabolism, energetics, cell reproduction, and Mendelian and molecular genetics. Includes a rudimentary overview of the principles of bioinformatics. Recommended for science majors, pre-professional students, and allied health majors. Includes a laboratory.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab

Introduction to the study of the plant kingdom in the context of ecology, evolution, diversity, anatomy, and physiology of plants. Recommended for science majors and pre-professional students. Includes a laboratory.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
BIOL& 211 with grade of "C" (2.0) or better

Introduction to the study of the animal kingdom in the context of ecology, evolution, diversity, anatomy, and physiology of animals. Recommended for science majors and pre-professional students. Includes a laboratory.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
BIOL& 211 with grade of "C" (2.0) or better

Covers ecology, genetics, and evolutionary biology. Ecology covers how organisms interact with each other and their environment, and genetics and evolution cover changes in species and populations to promote an understanding of biological diversity. Open to all students including science majors, especially biology and pre-professional majors. Includes laboratory.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab

Includes study of cells, tissues, and the skeletal, muscular, integumentary and nervous systems. Designed primarily for allied health majors. Includes laboratory.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
BIOL& 211 with grade of "C" (2.0) or better

Continuation of Biology 241. Systematic treatment of special senses and endocrine, circulatory, respiratory, digestive, urinary and reproductive systems. Includes laboratory. Designed primarily for allied health majors.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
BIOL& 241 with grade of "C" (2.0) or better

Introduction to the biology of microorganisms. Emphasis on the relationship of microbes to disease, including prevention, immunology and treatment. Designed primarily for allied health majors. Includes laboratory.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
BIOL& 211 with grade of "C" (2.0) or better

Examines the ecological relationships between Pacific salmon, the environment, and people. Students will learn core biological and ecological concepts using salmon as a framework. Students will also learn about the historical and contemporary human dimensions related to Pacific salmon biology, ecology, and management with an emphasis on Indigenous People.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Natural Science

An introductory course about marine life found in the ocean depths, at the polar extremes, in coral reefs, estuaries and in the open sea. The course includes a survey of plankton, marine plants and marine animals. In addition, marine communities, resources and human impacts on marine ecosystems will be covered.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science

An introductory ecologically oriented biological sciences laboratory course studying, from an interdisciplinary perspective, the environmental problems confronting humanity. An understanding of the nature of the ecological crisis and their global implications will be emphasized. Includes laboratory.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab

Investigation into the continuity of life, including Mendelian genetics, reproduction, population genetics, evolutionary processes, and environmental influences on individuals and populations. Emphasis is on human congenital conditions, reproduction and evolution. Includes laboratory.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab

Field-oriented course exploring the animal life and vegetation of the Pacific Northwest. Local forests, rivers, lakes and deserts examined with emphasis on ecology and plant and animal identification. Includes extensive field work. Includes laboratory. Prerequisite: Interest in our local flora and fauna.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab

This course is designed to create an awareness and appreciation of arthropods (insects and their relatives) and their role in the health of the local ecosystem. Course concentrates on the identification, biology, natural history, and the interaction of arthropods in their environments. Course designed for biologists, collectors and gardeners. Includes laboratory.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab

Identification and the natural history of plants in regional ecosystems of the Pacific Northwest. Students will be introduced to the principles of plant identification and survey techniques while studying the local plant communities of the region. Taxonomic and pictorial keys will be used to identify the plants and their role in their plant community will be stressed. Includes laboratory.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab

Identification, classification and natural history of native plants in our regional ecosystems. Principles of plant classification and nomenclature will be introduced while studying the local native flora of the area. Includes laboratory and field study.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
College-level biology course or Instructor Permission

Study of birds: flight, classification, behavior (migration, breeding, communication), habitats and distribution, and populations and conservation. Lab emphasizes observation and identification skills. Includes laboratory and field work.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab

Identification, classification and biology of adult insects represented in our local fauna. Includes basic insect biology, external anatomy, keying, sight identification, and collecting and preserving skills. Includes lecture, lab and field work. Prerequisites: recent college-level biology course or instructor's signature.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
College-Level Biology course or Instructor Permission

Survey of native plants of the Okanogan and their cultural, medicinal, and ecological importance to the First People and ecosystems of the Plateau Region.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab

# Business

Business is the driving force behind economic growth and decision-making across the globe. To succeed in the competitive world of today and tomorrow, people in all fields of endeavor can benefit from an understanding of the principles and practices that govern free enterprise. Whether students are interested in a business career targeted toward employment within the fields of communications, human resources, entrepreneurship, marketing, management or accounting; intend to pursue further education in the field of business; or are seeking the knowledge and skills necessary to advance along a different career path, the business programs at WVC have been designed to inform, instruct and inspire students to attain their goals.

Introduction to the basic principles of business. Surveys the stock market, economics, principles of capitalism, global business, ethics, social responsibility, small business, management, organization theory, labor relations, marketing, and finance. Emphasis placed on current events, using web resources, and activities related to business and economics.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective

Introduction to legal institutions, processes, and legal reasoning. Topics include the law of contracts, torts, agency, sales, negotiable instruments, real property, personal property, business organizations, employment, government regulation, and ethics. Emphasis on legal reasoning, legal theory, and practical applications of legal issues as they relate to business. (Students may not get credit for both BUS 204 and BUS& 201)
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective

An in-depth view of the many ethical dilemmas encountered in today's organizational environment. A case-study approach is used to gain an understanding of the complex forces that shape the morals and values which are used in ethical decision-making.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Leadership development and training emphasizing leadership theory, team building, and practical application through simulations. Additionally, students will understand their individual leadership style strengths and weaknesses.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Designed to provide on-the-job practical field experience. One credit for each five hours of work experience per week.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Instructor permission required

Introduction to the elements of successful entrepreneurship, business opportunity identification and assessment, economic development strategies, and development of an effective business plan.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Study of management theory and concepts to provide students with practical tools for planning, leading, organizing, staffing and controlling within a dynamic organizational environment. Decision-making techniques for developing competitive advantages based on cost, quality, innovation and speed are emphasized. Students will develop a comprehensive, industry-specific management project.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective

Problems and practices relating to the marketing exchange process. Emphasis on planning marketing strategies for product, price, promotion and distribution issues. Gain understanding of Integrated Marketing Communications systems approach, how to apply IMC concepts to both profit and nonprofit organizations. Develop a comprehensive, industry-specific marketing plan.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective

A study of the highly competitive, rapidly changing retail business environment. Topics include product and services retailing, store management, e-tailing, consumer decision-making, growth, planning the strategic profit model and globalization issues. Retail management concepts are taught within a conceptual, theoretical, practical and strategic framework.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Human resource management is concerned with managing people effectively in the workplace. Using theoretical and practical approaches it examines the human resource manager's role and the role of all managers. Topics include philosophy, policies, organization, job design, employee selection, compensation/benefits, development, appraisal, promotion, discipline, termination and federal statutes.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Major focus is developing a business plan for a new or existing business, including market analyses and financial forecasts. Additional topics are human resource management, forms of ownership, operational planning, and establishing and maintaining competitive advantages.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Designed to provide on-the-job practical field experience. One credit for each five hours of work experience per week.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

# Business Computer Technology

Students enrolled in the BCT program will acquire an educational foundation in technical and soft skills needed to function as an essential member of a business team or as an entrepreneur. The Business Computer Technology program prepares graduates for entry-level jobs in a wide variety of business and industry settings, or for self-employment. Every student should consider the BCT program, in whole or in part, to acquire business-related computer skills that are vital to success in today's workplace. For more information, visit www.wvc.edu/BCT.

An introductory course to develop basic keyboarding techniques with an emphasis on improving speed and accuracy. Course topics include alphabet, numeric, and symbol keys.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective

Focuses on the computing fundamentals domain of Certiport's industry certification for Internet and Computing Core (IC3), which covers a foundational understanding of computer hardware, software, operating systems, peripherals and troubleshooting.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Focuses on the Key Applications domain of Certiport's industry certification for Internet and Computing Core (IC3), which covers popular word processing, spreadsheet, presentation and database applications, and the common features of all applications.
Prerequisites: BCT 100 recommended.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Use basic Word functions to enter, edit, cut, copy, paste and reorganize text. Enhance documents with graphics and tables. Use Word tools including spell checker, grammar checker, page layout and references.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective

Use basic Excel functions to enter, edit, cut, copy, paste and reorganize text and data and create simple formula. Spreadsheets will be enhanced with formatting and charts.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective

Use presentation graphics software to create and view presentations. Enhance the presentation with pictures, shapes, SmartArt, tables and charts. Apply transitions.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective

Students will develop essential principles of English skills for effective communication in the workplace. Emphasis on English-usage skills in sentence structure, style and usage, spelling and grammar, punctuation and vocabulary, editing and proofreading and use of reference materials.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Appropriate Assessment Score or successful completion of ENGL 97 or higher or Instructor permission

Prepares students to successfully pursue employment. Students will learn how to access electronic resources for employment opportunities and career assessments, and apply effective job search strategies. Students will create employment documents, practice interview skills and explore networking prospects.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective

This course focuses on interpersonal skills in the work place. Topics include: leadership, teamwork, diversity, employers' expectations and real world tools for resolving conflict in a simulated workplace.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Develop skills for providing superior customer service in an increasingly diverse world. Specific techniques will be covered that will result in improved communications with customers and customer satisfaction.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Preparation for Microsoft Office Specialist Word exam. Students will create and manage documents, format document content, present information in tables and lists, insert and format pictures, create business diagrams, and reference sources.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Preparation for IC3 Digital Literacy certification Living Online examination. Students will develop a foundational understanding of how to effectively use a computer in an Internet or networked environment. Students will explore current technologies used for electronic communication and the impact of computing and the Internet on society.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective

Emphasizes math applications that reflect real-world situations and are essential for students going on to careers in accounting, marketing, retailing, banking, office administration and finance. Apply basic math concepts of whole number operations, fractions, decimals, percentages and equations to solve business problems.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MATH 93 or higher or Instructor Permission

Preparation for Microsoft Office Specialist Excel exam. Students will create and manage workbooks and worksheets, modify and format cell content, present data in tables and charts, perform calculations on data, and insert and format objects in a worksheet.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Create and manage databases, build tables, and create queries, forms and reports.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Preparation for Microsoft Office Specialist PowerPoint exam. Students will create and manage presentations and slides, insert and format slide content, animate slide content, transition between slides, manage multiple versions of a presentation, and prepare presentations for delivery.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Preparation for Microsoft Office Specialist Outlook exam. Students will use a personal information manager to acquire, organize, maintain, retrieve and use personal and business information. Understand how electronic communication works and how to communicate using electronic mail.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective

This course focuses on the fundamentals of operating systems, computer hardware and software concepts. Topics include: functions and features of operating system tools, systems and applications programs, file management, system customization, security, and maintenance.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

This course will prepare students for applications of communication skills in the workplace. Apply essential communication skills to business correspondences and documentations in traditional and digital formats. Recommend successful completion of ENGL 97 or higher
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Preparation for Microsoft Office Specialist Word Expert exams. Students will create, manage and distribute documents for a variety of specialized purposes and situations, and customize the Word environment to enhance the productivity needed to work with advanced documents used in a business setting.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
BCT 120 or MOS Certification in Word

This course equips students from various fields to effectively explore and present data in visual formats. Students will learn to critique and evaluate visualizations for usability and accuracy, create static visualizations and interactive dashboards, provide clear evidence of findings, and craft compelling data stories. This course serves as both an introduction and a reference for becoming proficient in data visualization.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
None

Designed for beginners in exploring data analytics for departmental projects. Build relational databases, develop input forms, retrieve and query data, and display data for reporting.

**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Focuses on general desktop publishing and classic design concepts. Plan and create various small single- and multiple-page publications using desktop publishing software and computer technology. Special attention given to design principles, typography, layout and production techniques to develop specific skills and competencies needed by professionals who use computer hardware and software for publications.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Introduces basic concept of web publication and integrate design principles and tools in various programs to create and publish a functional and well-designed website.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

This project-oriented course will prepare students to use Microsoft Office Suite applications to perform integrated tasks and functions. Students will use word processing, spreadsheet, database, and presentation software to share data and link information between applications.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
BCT 105 and BCT 120 and BCT 130 or Instructor Permission

This course will prepare students for proper planning, development, and execution of project of varying sizes in a variety of professional settings. This course will utilize business technology skills built in program courses to support students to develop their communication, organization, and research skills to execute projects within the quarter that will include realistic workplace experiences. Recommend successful completion of ENGL 97 or higher.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

# Chemistry

Development of fundamental chemical principles and laboratory techniques applied to important sustainability concerns such as pollution, climate change and energy resourcing in an increasingly populated planet. While intended for non-science students and not a prerequisite per se, Chemical Concepts benefits students of limited chemistry background seeking STEM degrees. Includes laboratory.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab

Inorganic chemistry for allied health students or for individuals needing a general science transfer credit. Includes laboratory.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
MATH 99 or a grade of 3 or higher on the Smarter Balanced exam or appropriate assessment score

Introductory organic and biochemistry satisfying allied health and transfer agriculture program requirements. A study of the principal functional groups of organic chemistry, nomenclature, physical properties, basic reactions, and their applications to living systems. Covers the principal classes of biomolecules (proteins, carbohydrates, lipids and nucleic acids). Includes laboratory.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
CHEM& 121 or equivalent

A study of the states of matter; foundational atomic, ionic, and molecular structure; mass/mole relationships and stoichiometry; quantification of solution concentration, thermochemistry, fundamental chemical reactions, quantization of electronic distribution and periodicity. Mainly for science majors, engineers and other students requiring one or more years of college chemistry. Laboratory included.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
One year of High School Chemistry or CHEM& 121 and MATH& 141 or equivalent or appropriate math.

A study of the types of bonding between atoms, molecular structure and geometry, the principal states of matter focusing on liquids, solids, and solutions, rates of chemical reactions, chemical equilibria, and acid-base chemistry. Includes laboratory.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
CHEM& 161

Acid-base theory and practice, the chemistry of metals and metal cations, including oxidation and reduction potentials and electrochemistry, equilibria related to ion solubility and complex-ion formation. Entropy and free energy applied to equilibrium phenomena. Discussion and measurement of the qualitative and quantitative chemistry of common ions. Includes two weekly laboratories.
**Credits** 6.00
**Weekly Contact Hours** 9.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
CHEM& 162

The first of a three-quarter sequence in organic chemistry for university transfer, intended primarily for science majors and those fulfilling requirements for professional health science careers such as medicine, dentistry and pharmacy. Topics include structure, nomenclature, physical properties, reactions and synthesis of the main types of organic compounds. Lab included.
**Credits** 6.00
**Weekly Contact Hours** 8.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
CHEM& 163

The second of a three-quarter sequence in organic chemistry for university transfer, intended primarily for science majors and those fulfilling requirements for professional health science careers such as medicine, dentistry and pharmacy. CHEM& 262 furthers the development of the properties, transformations and identification of organic molecules. Lab included.
**Credits** 6.00
**Weekly Contact Hours** 8.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
CHEM& 261

The third of a three-quarter sequence in organic chemistry for university transfer, intended primarily for science majors and those fulfilling requirements for professional health science careers such as medicine, dentistry and pharmacy. CHEM& 263 furthers discussion of the properties, transformations and identification of organic molecules, including biomolecules. Lab included.
**Credits** 6.00
**Weekly Contact Hours** 8.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
CHEM& 262

Explores the basis of drug action, major categories of drugs, as well as risks and benefits of drug use from an individual, social and economic viewpoint. Other topics include historical perspective and ethnopharmacology; delivery, absorption, distribution, metabolism and elimination of drugs; modern drug development and regulation.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science

# Chicanx Studies

Examines the Chicano/a (Mexican and Mexican American) experience in North America within a historical context. Beginning with an examination of the pre-Columbian Mesoamerican societies through European conquest and up to 20th century, students will engage in the following areas of scholarly inquiry: Nation development, migration/immigration, race, class, culture, political activism and civil rights.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

Investigate the social construction of La Chicana/ Mexicana gender in both Mexico and the United States, but primarily in the United States. This investigation will include literary analysis, historical perspectives, feminist approaches and Chicana intellectualism. Additional points of study include Machismo, gender manifestations and Chicanas in contemporary society.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

Critically investigates the production and consumption of Chicano/a forms of culture/identity. Examines Chicano/a culture as a dynamic process, which includes theater, literature, poetry, art, film and music.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Humanities

# Communication Studies

The Communication Studies Department (CMST) is committed to serving future Communication Studies majors as well as meeting current cross-disciplinary general education requirements. The complement of courses take a theory-grounded, skills-based approach to developing multiple communication competencies: speaking, listening, writing, relationship building (including conflict resolution), and new/digital media management.

Introduction to the history, theory and practice of human communication. Development of effective communication skills for use in a variety of contexts, including, but not limited to: intrapersonal, interpersonal, intercultural, small group, relationships, workplace/organizational settings and new technology.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Principles, processes and practices of interpersonal communication to appropriately and effectively communicate in given situations. Focus is on perception of self and others, including diversity, verbal and non-verbal cues, and strategies for understanding and improving interpersonal relationship dynamics.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Preparation and delivery of speeches to a public audience. Focus is on the improvement of one's communication skills through topic choice, research, organization and outlining of content; use of voice, body and self-confidence. Other areas covered are audience listening skills and speaker evaluations.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Introduces students to digital communications, with an emphasis on the social impact of new media. Students explore emerging technologies and study their application in a variety of environments. Empowers students to critically analyze and create basic digital projects, while learning how to be responsible digital citizens.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities

Fundamentals of Journalism. Course covers the principles, ethics, role and responsibility of journalists and news outlets; history, law and economics of the industry. Students are also introduced to the challenges of newsgathering, writing and publishing to audiences in an ever-evolving landscape of multi-media, digital and social platforms.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
Placement in language usage and reading or a "C" (2.0) or higher in ENGL 97 or a "B-" (2.7) or higher in ABE 19 or a "B" (3.0) or higher in the Bridge-to-College English Language Arts course or a Smarter Balanced grade of 3 or higher.

# Computer Science

Introduces programming fundamentals using a procedural, object-oriented language. Topics include expressions, simple I/O, data storage, variable usage, decision and repetition control structures, functions and parameter passing, design principles, and problem solving strategies.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective
**Prerequisites**
MATH 99

Introduces the concepts of object-oriented programming to students with a background in the procedural paradigm. Topics include project management, classes, APIs, instantiation of objects, references, lists, file I/O of records, inheritance, composition, polymorphism, interfaces, exception handling, computer graphics, and basic GUI programming. Intermediate JAVA.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science
**Prerequisites**
CSC 201 or CSC& 141

Introduction to computer programming. Intended for non-science majors. Explores the basics of computer programming using the BASIC language. Topics include console I/O, variables, expressions, decisions, arrays, repetition, console graphics, file I/O and functions. Prerequisites: word processing competency.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Basic concepts, principles, and tools used in data analytics. Coursework is primarily done in the R programming language.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective
**Prerequisites**
MATH& 141 with a "C" (2.0) or better

Introduction to web content development using HTML (HTML5) and a variety of web development tools. Publish content to the web.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Familiarity with Windows Operating System

Web application client development, using interactive technologies such as JavaScript, JavaScript libraries, CSS, HTML, and asynchronous HTTP requests.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
CSC 151 or Instructor Permission

Web application server development, including writing software that runs on the server, database integration, and delivering web pages generated from HTML templates.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
CSC 152 or Instructor Permission

Students will develop advanced web applications in an online environment.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
CSC 153 or Instructor Permission

Introduces the fundamental concepts of classic data structures with associated algorithms. Topics include recursion, searching and sorting lists (arrays, linked lists, stacks, queues, vectors), algorithmic analysis, big O notation, expression parsing, binary search operations, heaps, priority queues, other types of trees, Huffman encoding, toolbars, hash tables, and graphs.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
CSC 202 or CSC& 142

Exploration of fundamental concepts, constructs, and techniques of modern data analytics systems. Coursework is primarily done in the R and Python programming languages.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective
**Prerequisites**
CSC 110 with a "C" (2.0) or better

Continuation of CSC 210. Exploration of fundamental concepts, constructs, and techniques of modern data analytics systems. Coursework is primarily done in the R and Python programming languages.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective
**Prerequisites**
CSC 210 with a "C" (2.0) or better

Explores the use of SQL to create, populate and maintain databases. Topics include entity relations, normalization, referential integrity, join types, selections, insertions, updates, deletes, constraints, views, indexing, stored procedures, triggers, cursors, ER modeling and database design.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
CSC 201 or CSC& 141

Advanced data structures and fundamental computer science algorithms using various techniques. Introduces algorithm complexity analysis and asymptotic notation. Emphasizes the design, analysis and comparison of various algorithmic solutions for a problem through the use of advanced data structures using the Java programming language.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective
**Prerequisites**
CSC& 142 with a "C" (2.0) or better

# Computer Technology Systems

The computer technology department of WVC offers training programs for computer support technicians, security specialists, network administrators and network engineers. By completing coursework in the computer technology series, students can prepare for several industry-recognized certifications including CompTIA A+, Comp TIA Network+, Linux and Microsoft Certified Systems Administrator (MCSA). Computer programming classes are offered in Java, Javascript, HTML, PHP and MySQL.

Networking for non-CTS majors or students seeking additional background on networking. Introduces the basics of networking, such as peer-to-peer, LANs, and WANs. Discover the history behind networking and how people use networking in the real world. Understand how computers share information. Learn the vocabulary of networking-understand the terms, abbreviations and acronyms.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Computer hardware troubleshooting. Designed to help prepare students for industry certifications as well as provide practical hands-on experience.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Fundamentals of supporting and troubleshooting computer operating systems. Prepare to pass CompTIA's A+ OS certification exam. Covers a wide range of material about operating systems, from using the different Windows operating systems to demonstrating how the boot process works, as well as installing, supporting and troubleshooting the different Windows operating systems.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Beginning course in data networks. Emphasis is placed on the OSI model and discovery of modern data network design. Learn the functions and appropriate use of network hardware, software and protocols. Helps prepare students to pass CompTIA's Network+ certification exam.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Familiarizes students with client operating systems (Windows, Linux, Mac OS platforms) with emphasis on connectivity, troubleshooting and architectural models. Gain hands-on experience in the process of installing and configuring network clients.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Familiarizes students with client and server operating systems (Windows client and Windows Server) with emphasis on connectivity, troubleshooting and architectural models. Gain hands-on experience in the process of installing and configuring network clients and server OS.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Introduces students to the fundamentals of planning, implementing, managing and troubleshooting network servers in a modern LAN environment. Topics include connectivity, security, maintenance and disaster planning/recovery. Students will install and configure windows server.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Prepares students for industry certification exams. Learn to manage and maintain a Windows server environment. Provides an overview of networking, IP addressing basics, configuring a network interface, implementing Dynamic Host Configuration Protocol (DHCP), managing and monitoring DHCP and DNS.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
CTS 140 or Instructor Permission

Introduces Active Directory and prepares students to plan, configure and administer Active Directory infrastructure. Learn how to configure the Domain Name System (DNS) to manage name resolution, schema and replication and how to use Active Directory to centrally manage a network.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
CTS 140 or Instructor Permission

Regularly scheduled seminar covering contemporary news and issues dealing with technology. May be repeated with different topics.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective

Cooperative work experience is intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment. A summary portfolio of learned experiences will document the specific abilities gained through working cooperatively in a business.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Provides a comprehensive overview of the Linux operating system. Become familiar with the Linux command-line environment, utilities and applications, as well as the graphical X Window environment.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

In this introductory course in network security, learn security fundamentals. Includes identification of security issues in modern networks and how to design a network to avoid security problems. Helps students prepare for the CompTIA Security+ Certificate.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Training in setting up, managing, securing and troubleshooting web servers in both Windows and Linux environments.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
CTS 140 or Instructor Permission

Provides a comprehensive overview of the Linux operating system. Become familiar with the Linux command-line environment, utilities and applications, as well as the graphical X Window environment. Perform more advanced Linux tasks. Learn how to manage and set up a web server, LAMP installation and Command Line operations.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Advanced course that covers LAN/WAN Network design issues.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
CTS 150 and CTS 160 or Instructor Permission

Covers a wide range of material about email servers, from installation, configuration, administration, troubleshooting, and maintenance.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
CTS 140 and CTS 150 and CST 160 or Instructor Permission

Regularly scheduled seminar covering contemporary news and issues dealing with technology. May be repeated with different topics.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective

Cooperative work experience is intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment. A summary portfolio of learned experiences will document the specific abilities gained through working cooperatively in a business.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

# Cooperative Work Experience

Intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to working environment. An expanded portfolio of learned experiences will document the specific abilities gained through working cooperatively in a business.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

The second level of Cooperative Work Experience is intended to continue providing authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment. An expanded portfolio of learned experiences will document the specific abilities gained through working cooperatively in a business.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Designed to provide students with on-the-job practical field experience. One credit for each five hours of work experience per week.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Designed to provide students with on-the-job practical field experience. One credit for each five hours of work experience per week.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Designed to provide on-the-job practical field experience. One credit for each five hours of work experience per week.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Instructor permission required

Designed to provide on-the-job practical field experience. One credit for each five hours of work experience per week.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment. Variable credit class.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment. Variable credit class.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Cooperative work experience is intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment. A summary portfolio of learned experiences will document the specific abilities gained through working cooperatively in a business.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Cooperative work experience is intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment. A summary portfolio of learned experiences will document the specific abilities gained through working cooperatively in a business.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

This course is designed to help students develop and improve their workplace competencies. Students will learn to establish and achieve workplace goals and assess how their performance contributes to their development as professionals. Students will participate in online modules on goal setting, transferable skills, resume, cover letter, interviewing and portfolio building. Must currently be working in a job, internship, or volunteer position and work 120 hours over the quarter.
**Credits** 5.00
**Weekly Contact Hours** 13.00
**Meets Degree Requirements For**
Restricted Elective

Youth United volunteer service work at non-profit agencies for high school students. Certificate awarded by United Way of Chelan & Douglas Counties can be used as PLA crosswalk.
**Credits** 1.00
**Weekly Contact Hours** 14.00
**Meets Degree Requirements For**
Restricted Elective

Designed to provide students with on-the-job practical field experience related to electrical and electronic industries. One credit is earned for each five hours of work experience per week. Prerequisites: instructor's permission.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Designed to provide students with additional on-the-job practical field experience related to electrical and electronic industries. One credit is earned for each five hours of work experience per week.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Designed to provide students with on-the-job practical field experience. One credit for each five hours of work experience per week.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment. Variable credit class.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment. Variable credit class.
**Credits** 1.00
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

# Criminal Justice

The criminal justice program provides students with an understanding of the adult and juvenile criminal justice processes, its agencies, personnel and historical foundations. The program emphasizes the key components of the criminal justice system, police, corrections, juvenile justice and judicial systems. Realistic, practical exercises, mock scenes and modern technical and scientific applications will be used to teach modern-day American police practices.

Overview of the scope of a law enforcement officer, corrections officer, and probation officer's role. Jurisdiction of local, state and federal agencies, career opportunities and qualifications for recruitment are emphasized. Includes administration of justice concepts and history of the criminal justice system.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective

An introduction and survey of the principles and practices of the corrections field in criminal justice settings. The objectives of probation and parole with an overview of rehabilitation methods and institutional settings are emphasized.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective

Course covers the elements, functions and purpose of juvenile law. Arrest, detention, petition, records, interviewing, interrogation, overview of contributing factors to delinquency and the officer's role in prevention are emphasized.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective

Basic concepts of Titles 9 and 9A of the Revised Code of Washington are presented in this course. Elements, purposes and functions of criminal law are emphasized.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective

All aspects of crime scene investigations. Areas of emphasis include fundamentals and techniques of investigations; crime scene search; field applications in the development, collection and preservation of physical evidence. Classification and rules of evidence, admissibility, weight and value of evidence, witnesses, and presentation of evidence in court also are included.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective

Presents technical writing content specific to the criminal justice system including standard grammar/punctuation and basic composition skills. Content includes forms such as traffic citations, traffic accidents or evidence tags, and a variety of technical reports for which information may be obtained from investigations, interrogations or other written reports.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Concepts of how to conduct a lawful arrest; search and seizure of suspects and evidence; and practicalities of conducting a search of persons, cars and houses are emphasized in this course.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment. Variable credit class.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Origins and development of criminal investigation. Emphasis on the scientific method, interrelationship of criminal investigations with criminalistics; recognition, documentation and collection of physical evidence; rules of evidence including admissibility, chain of custody and hearsay. Case studies will be used to illustrate the methodology of criminal investigation.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Introduces principles, concepts and theories relating to a police organization and administration within line and staff functions in the uniformed and investigative units.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Theories of perception, emotion, motivation, personality and nonverbal communication used as tools by police officers in everyday contacts. Understanding and predicting human behavior in common police situations. Develop objective approaches to human relations problems and the ability to exercise skills in personal power and nonjudgmental communication.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Gain basic skills and knowledge in traffic accident investigation. Practical applications and techniques required to conduct a field investigation are emphasized. Basics of traffic control and traffic laws also are presented.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Self-development activities are provided to assist students in gaining employment after graduation. Activities include civil service examinations, both written and oral, and exercises in professional conduct. Each student will go through initial physical assessments, physical training and final physical assessment in preparation for hiring standards and academy level testing standards.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Examines concepts, extent and costs of white-collar and organized crime. 'Upperclass' offenders are described/contrasted to the common 'street' criminals. Individual/organizational forms of white-collar crime are reviewed and assessed. Special attention is paid to the use of criminal law in the control of what was once a civil arena.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Introduces concepts, approaches and methods for conducting and analyzing empirical research for criminal justice settings. Topics covered include: quantitative and qualitative research, surveying, sampling, data tabulation and assessing how to choose the appropriate method for specific law enforcement situations.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Learn to conduct scientific, systematic and thorough death scene investigations for medical examiner and coroner offices. Course is appropriate training for police officers, physicians, nurses, emergency medical personnel, attorneys, forensic scientists and others who are involved with the investigation of violent, suspicious or unexpected deaths. Includes lab experiences.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

In depth studies of criminal and crime scene investigations; advanced development of investigative skills and forensic applications for crime scenes and evidence evaluation. Emphasizes crime scene reconstruction as a means to solve and prosecute violent crimes.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment. Variable credit class.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

# Digital Design

Introduction to the elements and principles of two-dimensional design and composition. Includes study of planar structure, depth illusions, figure-ground relationships and color theory.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance

Introduction to the elements and principles of sculpture and three-dimensional composition through a variety of processes and materials. Emphasis on spatial structure, basic volumes, and relationships of form and space.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Humanities with Performance

Provides an introduction to computer-aided three-dimensional modeling technology used by designers in various disciplines including industrial design, graphic design, web design, game design, sculpture, and animation.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance

Provides further development of skills in the computer-aided three-dimensional modeling technology used by designers in various disciplines including industrial design, graphic design, web design, game design, sculpture, and animation. Focus is on developing advanced skills in rendering and presentation.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 132 or Instructor Permission

Provides a capstone experience for the digital design program, including practical application of the design and computer skills learned within the degree, portfolio development, and industry familiarity.
**Credits** 3.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective

# Drama

A study of theater as an art form. Emphasis on Western dramatic literature analysis from Sophocles to Shepard, theatrical history and the roles of various theater artists/playwrights, actors, directors and designers in the production of plays.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

# Early Childhood Education

WVC prepares students in the early childhood education (ECE) program for careers that focus on young children from birth to five years and their families. This program provides an understanding of a child's social, emotional, physical and cognitive development. It emphasizes practices that are developmentally appropriate and embrace both family and community.

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.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

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 healthy and safe, report abuse and neglect, and connect families to community resources.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

In an early learning setting, engage in establishing nurturing, supportive relationships with all children and professional peers. Focus on children's health and safety, promoting growth and development, and creating a culturally responsive environment.
**Credits** 2.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective

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.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ECED& 105 or EDUC& 115

Learn how to manage a family childcare program. Topics include: licensing requirements, record-keeping, relationship building, communication strategies, guiding behavior, and promoting growth and development.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Plan and provide home visits and group activities. Promote secure parent-child relationships. Support families to provide high-quality early learning opportunities embedded in everyday routines and experiences.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

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 WA state licensing and professional NAEYC standards.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Investigate learning theory, program planning, tools and methods for curriculum development promoting language, fine/gross motor, social-emotional, cognitive and creative skills and growth in children birth through age 8 utilizing developmentally appropriate and culturally responsive practice.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ECED& 105 and EDUC& 115

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.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Teaching strategies for language acquisition and literacy skill development are examined at each developmental stage (birth-age 8) through the four interrelated areas of speaking, listening, writing, and reading.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Collect and record observation 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.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ECED& 105 or EDUC& 115

Complete 20 hours of field experience in each of the following three approved early childhood education settings: infant/toddler program, preschool program, kindergarten, first, second or third-grade classroom (60 hours total).
**Credits** 2.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ECED& 105 and ECED& 107 and ECED& 120

This course provides knowledge and skills in supporting STEM (Science, Technology, Engineering, and Math) in Early Learning environments. Curriculum integration of all four STEM content areas. Methods, assessment, materials, and vocabulary to use in individualized and developmentally appropriate STEM activities and experiences.
**Credits** 4.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ECED& 105 and EDUC& 115

An exploration of principles, methods, and materials for teaching children music, movement, visual arts, and dramatic play through process-oriented experiences to support divergent thinking. Students will learn theories, techniques, and curriculum design in order to offer a wide variety of developmentally appropriate art media to children and create a comprehensive visual and performing arts curriculum.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ECED& 105 and EDUC& 115

Student completes 90 hours of field experience in an approved early childhood setting. Under the direct supervision of a qualified early childhood professional, student takes on the role of lead teacher to demonstrate skills in curriculum planning and implementation, child guidance, environmental design, and communication with families and program staff. Students will participate weekly in online discussion with peers and instructor to discuss practicum experiences. Completion of a professional portfolio.
**Credits** 4.00
**Weekly Contact Hours** 10.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ECED& 105, 107, 120, 160, 170, 180, 190, and EDUC& 115, 130, and 150

# Economics

Study of consumer behavior and the revenue concepts, firm behavior and the cost concepts, price and employment theory, industrial organization, labor, agricultural and international economics.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

Study of the structure and operation of the U.S. economic system, including economic institutions, resources, price mechanisms, public finance, economic fluctuations, national income accounting, macroeconomic theory, fiscal policy, the banking system, monetary policy and economic growth.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

Study of the organization and operation of the U.S. economic system including the roles of consumers, businesses and government. Investigation of the problems and policies associated with economic growth, environmental pollution, inflation, unemployment, poverty, energy and international trade.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

A course in engineering professional ethics. This course will focus on ethical situations engineering technology students will face throughout their careers. Research and projects included will be taught from the administrator lens.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Explores principles of micro and macroeconomics as applied to the healthcare industry; examines how healthcare demand differs from other goods. Major topics include: cost-benefit of marketing and government solutions to healthcare issues, the role risk plays in supply and demand of health insurance, and impacts on private-profit and socio-economic well-being.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

Explores health information and informatics concepts encountered in healthcare settings. Course content includes healthcare information technology, concepts, terminology, and key health information systems and technology. Students will evaluate health information systems and their roles in patient safety, safe medication administration, maintaining patient privacy, data security and efficacy of healthcare processes.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to a BSN pathway program.

# Education

Build foundation for explaining how children develop in all domains, conception through early adolescence. Explore various developmental theories, methods for documenting growth, and impact of brain development. Topics addressed: stress, trauma, culture, race, gender identity, socioeconomic status, family status, language, and health issues.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

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.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

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.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

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.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Introduction to education as a professional career. Explores real issues of schooling, skills, and knowledge they will need to be successful professionals: survey of history, philosophy, principles, issues, and trends in American Education. This includes opportunities for observations of educational models and exploration of career paths. (Formerly EDUC 200).
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective
**Prerequisites**
ENGL& 101, or equivalent, or instructor's signature

Introduction to the field of special education. Includes various categories of disabilities and special needs, legal and historical perspectives for special education services, roles and responsibilities of special education team members, and instructional strategies for teaching in a special education environment. (Covers the 14 core competencies for special education paraeducators.)
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective
**Prerequisites**
ECED& 105 and EDUC& 115

This course acquaints teacher candidates with principal issues in educational practice, and begins developing reflective teaching. Students discuss and reflect on observations of classroom management, instructional methodology, instructional assessment, diversity, exceptional learners, educational legal issues, and educational technology. In this field experience, students work directly with teachers, administrators, and para-educators.
**Credits** 3.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective
**Prerequisites**
EDUC& 202; finger printing and background check required

# Electricity

An introduction to applied electricity in the industrial trades, this course discusses basic alternating (AC) and direct (DC) current, transformers, motors, relays, reactance, electrical power generation and power distribution systems.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MATH 92 or MATH 93 or MATH 98 or Instructor Permission

In-depth study of ladder and pictorial wiring diagrams and schematics as applied to various industrial applications specifically in electronics, manufacturing, industrial food processing, refrigeration and industrial equipment manufacturers' circuits.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective

Basic introductory course for understanding control theory and principles of automatic controls used for residential, commercial and industrial equipment. Includes application, service and installation procedures for electrical, electronic and mechanical control systems.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ELEC 115 or ELEC 125 or ELTRO 101

Review of industrial electricity to include discussion on generation, power distribution, wiring, electrical code, transformers, solid-state motor starters, AC and DC motors, power-factor correction, speed controllers and schematics.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ELEC 115 or ELEC 125 or ELTRO 101

Design and analysis of DC and AC circuits using basic laws such as Ohm's and Kirchhoff's laws. Introduction to circuit analysis methods such as the node method, mesh current method, superposition, and the Thevenin methods. Applications of phasor representations to circuits with R, L, and C components. Analysis of AC steady-state circuits and determination of average power. Measurement of circuit variables using tools such as oscilloscopes, multimeters, and signal generators.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ELEC 115 and PHYS& 116, or Instructor permission

This course covers sensors, transducers, signal conditioning devices and computer-based instrumentation. Input/output (I/O) characteristics of sensors for pressure, distance, light, airflow, temperature, Hall effect and humidity are evaluated using data acquisition equipment and virtual instrumentation. Emphasis is placed on industrial applications, troubleshooting and determining I/O requirements to interface actuators such as AC, DC, stepper and servo motors to programmable logic controllers (PLCs).
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ELEC 226 and ENGR 329 or Instructor Permission

# Emergency Medical Technician

Learn the roles and responsibilities of the emergency medical technician according to National EMS Education standards and requirements. Develop skills in patient evaluation and other emergency medical procedures. Upon successful completion, students are eligible for National Registry Exam to qualify for state certification after meeting the Washington state requirement of employment.
**Credits** 13.00
**Weekly Contact Hours** 16.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Admitted to the EMT Program

# Engineering

Principles of engineering statics including basic concepts, resultants, force-couple relationships, equilibrium diagrams, equilibrium analysis, three dimensional structures, two-dimensional frames, trusses, beams and friction.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective
**Prerequisites**
MATH& 152 and, PHYS& 222 or PHYS& 116 or Instructor Permission

The students will study the principles of technical drawing used in the fields of Engineering, Drafting, Machining, Welding, Industrial Technology, Digital Design and Architecture. Interpreting multi-view and orthographic drawings, reading blueprints, drawing symbols and related project documents are components of the course.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective

This course provides familiarization with computer-aided drafting techniques using an interactive microcomputer CAD system. Students create, edit and store basic drawings using a tablet digitizer and/or screen menu consisting of geometric forms and alphanumeric characters. Laboratory included.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective

Introduces Computer Assisted Design through parametric Solid Modeling: creating accurate three-dimensional objects and parts for use in engineering, machining and product design. Topics include part design, surfaces, arraying and patterning, reference geometry, dimensioning and tolerances, assemblies, mating features, and exporting technical drawings. Laboratory included.
**Credits** 4.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective

Regular courses designed to deal with unique subjects or timely topics conducted by qualified faculty. May be repeated with different topics.
**Credits** 1.00–5
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Students will learn the foundations for field survey techniques with field labs using methods and tools such as a total station and leveling equipment. The course covers the Professional Land Survey System along with how to establish and adjust control and conduct field survey to produce a topographic map.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective

# Engineering BAS

A course in engineering professional ethics. This course will focus on ethical situations engineering technology students will face throughout their careers. Research and projects included will be taught from the administrator lens.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Design and analysis of DC and AC circuits using basic laws such as Ohm's and Kirchhoff's laws. Introduction to circuit analysis methods such as the node method, mesh current method, superposition, and the Thevenin methods. Applications of phasor representations to circuits with R, L, and C components. Analysis of AC steady-state circuits and determination of average power. Measurement of circuit variables using tools such as oscilloscopes, multimeters, and signal generators.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ELEC 115 and PHYS& 116, or Instructor permission

This course covers sensors, transducers, signal conditioning devices and computer-based instrumentation. Input/output (I/O) characteristics of sensors for pressure, distance, light, airflow, temperature, Hall effect and humidity are evaluated using data acquisition equipment and virtual instrumentation. Emphasis is placed on industrial applications, troubleshooting and determining I/O requirements to interface actuators such as AC, DC, stepper and servo motors to programmable logic controllers (PLCs).
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ELEC 226 and ENGR 329 or Instructor Permission

Fundamental concepts, techniques and applications of risk analysis and risk-informed decision making for engineering students. An introduction to lock-out tag procedures, electrical arc flash protection, personal protection equipment (PPE) safety gear, and hands-on safety training.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective

Utilizing Lean principles and concepts, this course develops a foundation of solutions that support planning, scheduling, monitoring and performance measurement activities required for successful project completion.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective

Crystal structure, microstructure, and physical properties of metals, ceramics, polymers, composites, and amorphous materials. Also includes elementary mechanical behavior and phase equilibria.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
CHEM&161 or CHEM&162 or Instructor Permission

The mechanics of materials emphasizing the analysis and design of statically determinate beams, columns, and structural members in torsion and application of the three moment equations to statically indeterminate beams.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ENGR& 214 (1129) or Instructor permission

A course in fluid mechanics. Topics include: fluid properties, hydrostatics, conservation laws, infinitesimal and finite control volume analysis, Navier-Stokes equations, dimensional analysis, internal and external flows. Students will build upon knowledge gained in ENGR 325 and analyze, troubleshoot, predict and problem-solve complex systems.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Modeling and analysis of dynamic systems and introduction to feedback control. Topics include dynamic modeling and response of mechanical, electrical, fluid, and thermal systems; and feedback control systems analysis. Students will build upon skills learned in prior courses that enables them to draw conclusions about complex problems and provide solutions.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ENGR& 214, ELTRO 240, ELEC 225 or ELTRO 121

Analysis of hydraulic control components and systems. Topics include pumps, valves, actuators, and industrial and mobile control systems.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Design, create and test systems which require the integration of mechanical and electronic components. Topics include microcontrollers, sensors, actuators, mechanical systems, real-time control system programming and modeling of electronic and mechanical systems.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ELEC 115 and ELEC 226 or Instructor permission

Introduction to microcontrollers, microprocessors, and embedded systems. Microcontroller and microprocessor architecture. Assembly language and high-level programming. Hands-on projects to design, program, and troubleshoot microcontroller and microprocessor-based systems.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ELTRO 121 or ELEC 226 in addition to ENGR 329 or Instructor permission

Safety and health in the manufacturing, construction, and utilities industries, including pertinent laws, codes, regulations, standards, and product liability considerations. Organizational and administrative principles and practices for safety management and safety engineering, accident investigation, safety education, and safety enforcement.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ENGR 201

Prepare and plan for capstone project.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective

Fundamentals of planning, scheduling, allocating resources and controlling projects using project management software and tools. The role of leadership and organizational structure in project management is also covered.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ENGR 310

Supervised on-the-job training with a manufacturer, processor, or related industrial firm. Students will need a letter of recommendation and faculty director permission.
**Credits** 3.00–5
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Students can choose projects in electronics, renewable energy systems, wireless/data communications and automation/robotics. Typical project activities include the research and design phase, the execution phase, and the project report phase. A written report and oral presentation are required.
**Credits** 10.00
**Weekly Contact Hours** 10.00
**Meets Degree Requirements For**
Restricted Elective

# English

We designed this English Pathway to support students in succeeding in a Bachelor of Arts in English degree, whether focused on composition and rhetoric, creative writing, or literary studies. The pathway also suggests classes outside of the English Department that will support students' skill and knowledge building that will help develop critical thinking, creativity, and topical understanding.

Develops college-level reading, writing and critical thinking abilities. Develops writing skills by focusing on strategies and techniques to develop, organize and articulate ideas effectively, including the use of documented source material. Emphasizes writing process. Students must earn a minimum grade of 'C' (2.0) or better in this course to progress to a 200-level composition course.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Communications
**Prerequisites**
Placement in language usage and reading or a "C" (2.0) or higher in ENGL 97 or a "B-" (2.7) or higher in ABE 24 or a "B" (3.0) or higher in the Bridge-to-College English Language Arts course or a Smarter Balanced grade of 3 or higher.

Study of the principal literary forms of fiction, poetry and drama/cinema. Readings, discussions and lectures focusing on established authors to develop awareness and understanding of literature.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Study of traditional and contemporary themes and styles in fiction. Through class discussion and writing assignments, students analyze, interpret and evaluate works.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

The basic elements of poetry. Through class discussion and writing assignments, students analyze, interpret and evaluate poems which are broadly representative of a variety of historical periods and poetic techniques.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Study of selected British authors and works of literature from Old English, Middle Ages, Renaissance, Neo-Classical, Romantic, Victorian and Modern periods.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Focuses on communicating technical information. Emphasis is on audience analysis, clear writing style, visual information displays, document design, and ethics in technical writing. Computer use required. Students must earn a grade of 'C' (2.0) or better to apply this course to the Writing Skills requirement for AAS, AST, or DTA.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Communications
**Prerequisites**
ENGL& 101 with a grade of "C" (2.0) or better

Develops writing, reading, and critical thinking skills. Course topic emphasize grammar, sentence structure, main ideas, and supporting details in the context of paragraph writing and reading comprehension. Students must earn a grade of 'C' (2.0) or better to progress to READ 92 and ENGL 97.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
Placement into ENGL 90.

Develops writing, reading, and critical thinking skills. Reviews summary, paragraph, essay writing, rhetorical structures, grammar, punctuation, and sentence structures. Focuses on strategies and techniques to develop, organize and articulate ideas. Emphasizes writing process. Students must earn a minimum grade of "C" (2.0) in this course to progress to ENGL& 101. Can be taken concurrently with READ 92.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
Placement into ENGL 97 or a minimum grade of "C" (2.0) in ENGL 90. Keyboarding skills recommended.

Writing and revising stories and poems. Reading and responding to published models. Reading and evaluating other students' works. May be repeated for a total of fifteen credits.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Refines writing process skills begun in ENGL& 101. Writing expository/argumentative essays for a variety of applications. Learning research methods and appropriate documentation. Students must earn a grade of 'C' (2.0) or better to apply this course to the Writing Skills requirement for AAS or AST degree.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Communications
**Prerequisites**
ENGL& 101 with a grade of "C" (2.0) or better.

Refines process of planning, revising and editing essays begun in ENGL& 101. Writing expository/ argumentative responses to professional publications. Learning research methods and appropriate documentation. Students must earn a grade of "C" (2.0) or better to apply this course to the Writing Skills requirements for an AAS or AST degree.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Communications
**Prerequisites**
ENGL& 101 with a grade of "C" (2.0) or better

Refines process of planning, revising and editing essays from ENGL& 101. Writing research papers. Emphasizes topic selection, use of print and electronic sources, note taking, credibility, fact and opinion, logic, avoidance of plagiarism, and documentation. Students must earn a grade of "C" (2.0) or better to apply this course to the Writing Skills requirement for AAS or AST degree.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Communications
**Prerequisites**
ENGL& 101 with a grade of "C" (2.0) or better

Study of fantasy, magical realism and speculative fiction as literary forms with emphasis on the analysis of theme, symbolism, structure and character.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Study of major works of literature, both ancient and modern, from various languages and diverse cultures--western and non-western.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Study of the cultures that make up the multicultural America as represented in literature. By critically examining the ideals, issues, and questions that are common or unique to each culture, will strive to determine the difference between individual and collective identity and how these differences and commonalities create America.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Humanities

Study of American Literature from the sixteenth century through the current century. Emphasizes the historical, political and cultural basis for the American myth, the American hero and the diversity of American literary genres, stressing the relation between societies/cultures and the works of American writers.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Examines literature written by women of various cultural backgrounds to recognize and appreciate women's contribution to history, society, and the arts. Emphasis is on women's literary voice and women's unique cultural experience, including ideas central to feminism and femininity, through examination of poetry, fiction, nonfiction, and drama.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Humanities

A workshop that introduces the techniques for writing fiction. Emphasizes reading published models and the development and application of criteria for evaluating and revising stories. May be repeated for a total of fifteen credits.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

A workshop that introduces the techniques for writing poetry. Emphasizes reading published models and the development and application of criteria for evaluating and revising poems. May be repeated for a total of fifteen credits.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

This course refines the process of planning, writing, revising and editing essays. Professional writing using APA format will be covered. Other topics include use of print and electronic sources, note taking, credibility, fact and opinion, logic, avoidance of plagiarism and documentation.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to a BSN pathway program.

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**Credits** 10.00–2
**Weekly Contact Hours** 4.99
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
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# English/Academic Purpose

Provides international students with the concepts to be able to communicate with English speakers, function in college life and the community, and understand spoken English language.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.

Intended for non-native speakers to achieve oral skills (speaking and listening) in the academic environment.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.

Intended for international students and non-native speakers to refine oral skills (speaking and listening) in the academic environment.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.

Designed for non-native speakers to understand and use conventions of the English language, including grammar, spelling and sentence to paragraph structure.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.

# Environmental Science

Introductory course covering integrative principles of rivers and streams including biological, chemical, ecological, and physical processes. Students will gain an appreciation of streams as constantly evolving ecosystems as well as skills to scientifically analyze data related to river and stream management. Conservation, restoration, policy, and environmental-justice issues are also covered.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab

An overview of fisheries science and management. Topics explored include careers available in fish management and propagation, identification of important northwest fishes, and an introduction to the lesser known and more interesting aspects of fish biology and behavior. Field trips will incorporate standard sampling and survey techniques.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective

Focuses on the identification and inventory of forest natural resources including water, timber, flora, fauna and soils. Also includes study on how the interrelationships of these resources play in landscape ecosystems.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
General Elective

# Environmental Systems and Refrigeration Technology

An online course which focuses on the OSHA standards and guidelines for enhancing safety and health in the workplace. Topics include introduction to the OSHA Act, enforcement and recordkeeping, walking-working surfaces, means of egress, emergency action plans, fire protection plans, electrical safety, hazardous materials, personal protective equipment and hazard communication.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective

Introduction to basic heat transfer, refrigeration applications, major components, equipment and systems. Includes job opportunities, tools and test instruments. Lab encompasses experiments in boiling, freezing, temperature, refrigerants, gauges and repair standards. Lab projects include repairing residential and light commercial equipment while emphasizing the proper use of repair instruments and procedures.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MATH 93 or Above or Instructor Permission

Introduction to proper handling of CFC/HCFC refrigerants and non-CFC replacements, including recovery, recycle and reclaiming processes. Global issues, regulations and legislation discussion will prepare students for national certification.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ESRT 110 or Concurrent Enrollment

Introduction to heating systems, emphasizing electric, gas, oil, solar systems, hot water and steam boiler systems. Includes lab experience troubleshooting, practicing repair procedures and combustion analysis. Proper use of tools, instruments and tests to perform efficiency measurements included.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ESRT 110

This course introduces students to the physical infrastructure of operations within the data center facility. Students will learn to identify and visualize key components common to all data center operations including electrical, HVAC, backup power, networks, and controls. This course serves as both an introduction and a reference for becoming proficient in data center operations and facilities.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective

Principles of the air conditioning and heat pump processes, including mechanical components, ventilation, filtration, psychrometrics and relative humidity. Emphasis will be toward residential applications and tools for service and troubleshooting. Laboratory experience includes repairing and servicing residential and light commercial air conditioning and heat pump equipment.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ESRT 110

This course introduces students to the ductless and variable refrigerant flow (VRF) heat pump market with a review of energy consumption in residential and small commercial applications. The basic operation and servicing of a ductless heat pump is covered including the cooling, heating, and defrost modes. The various types of heat pump systems by various manufacturers including Daikin, Bosch, Mr. Cool and Mitsubishi are then reviewed with a focus on the advantages and disadvantages of each type of system. Students will learn to interpret installation and service data. The performance parameters, such as heating season performance factor (HSPF), seasonal energy efficiency rating (SEER), energy efficiency rating (EER), and the coefficient of performance (COP), are used to evaluate heat pump performance.
**Credits** 5.00
**Meets Degree Requirements For**
Restricted Elective

Learn the techniques used to recognize the signs of IAQ problems, investigate for potential pollutants and their sources, determine the levels of common pollutants in indoor air, and propose solutions to the problem. Provides information, hands-on experience and practical guidance in conducting inspections and evaluating the performance of mechanical ventilation systems.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective

Designed to provide students with on-the-job practical field experience. One credit for each five hours of work experience per week.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Study of systems and components used in commercial HVACR applications. Emphasis on proper installation and diagnostic procedures. Ice machines, walk-ins, display cases, compressors, condensers, evaporators, valves, piping, service techniques and test equipment to be highlighted. Packaged rooftop HVAC units will also be covered.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ESRT 110

In-depth study of construction blueprints for residential, commercial and industrial facilities emphasizing interpretation as it applies to energy and HVAC industries. Additional information will include interpretation of contract documents, specifications and addendums emphasizing building components.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective

Advanced study of commercial boilers and chilled water systems commonly found in larger commercial and industrial facilities. Includes low-pressure hot water, steam boilers, fittings, feed water accessories, combustion accessories, draft control and water treatment. This course also includes topics on basic servicing and maintaining mechanical chillers, including information on rotary screw, centrifugal, and reciprocating compressors. Operations, maintenance, energy efficiency and mechanical room safety are emphasized throughout the course.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ESRT 110

Course on DDC - (Direct Digital Controls) and BMS (Building Management Systems) for HVAC (heating, ventilation and air conditioning) controls used in commercial building systems. Includes information on electrical, pneumatic, DDC electronic controllers, sensors and associated controlled equipment. Course work includes commercial HVAC controls on various manufacturers, equipment specifications, and technical data sheets while learning to program wire-sheets graphics within Sedona and Niagara software.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ELEC 115 and ELEC 125

Principles of industrial refrigeration systems and equipment as applied to industrial warehouses and buildings. Includes information for direct expansion, flooded, overfeed systems. Discussion of ammonia and halocarbon (freon) compressor types, condensers, evaporators, metering devices, pumps, defrost methods, vessels and related devices.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ESRT 110

Industrial refrigeration laboratory experience becoming familiar with machinery, electricity and controls associated with industrial refrigeration equipment including compressors, valves, motors, controls, pumps, boilers and associated components.
**Credits** 3.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Concurrent enrollment in ESRT 220 or Instructor Permission

Application engineering and design course for calculating air conditioning and heating equipment. Includes computerized design of heat loads and heat gains, duct sizing and equipment selection. Course utilizes web and phone online apps to calculated required loads energy efficient HVAC equipment for heating and air conditioning systems used in residential and light commercial buildings.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ESRT 110

This course is focused on using advanced graphical programming software to develop building automation programs. It will accelerate student programming abilities with Building Automation System (BAS) programming using the Niagara/Sedona Framework. This course enables student to become proficient in HVAC programming and building HVAC graphics used for BAS applications.
**Credits** 3.00
**Meets Degree Requirements For**
Restricted Elective

Continuation of ESRT 220, with emphasis on maintenance, operation and safety. Information will include scheduling, preventive maintenance, water treatment, troubleshooting, repair procedures, energy conservation, process safety management (PSM) programs and risk management programs (RMP).
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ESRT 220

Reviews HVAC TAB (Test, Adjust and Balancing) process, including the process of commissioning of various types of building HVAC energy management and control systems, and how the LEED (Leadership in Energy and Environmental Design) certification process is implemented and steps to arrive at certification. Documentation requirements are covered to become a certified TAB and LEED individual for students to take the national exam.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ESRT 110 and ESRT 223

This course addresses the operation and maintenance requirements of standby generators, transfer switches, batteries and UPS systems commonly found in mission critical facilities such as data centers, health care, and industrial properties. The purpose of this course is to learn how emergency standby power systems operate and control power within critical operated facilities. This course serves as both an introduction and a reference for becoming familiar in emergency power systems.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Provides second-year students the opportunity to advance their skills through an applied project in their field of interest or specialization within the HVACR industries.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective

Designed to provide students with on-the-job practical field experience. One credit for each five hours of work experience per week.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

# Exercise Science

The WVC Exercise Science Department is committed to offering comprehensive, progressive and inclusive courses that promote and utilize foundational scientific principles around lifelong health and wellness. The department offers a wide variety of lecture and activity courses designed to encourage the educational and holistic development of the student.

Coed, comprehensive aerobic conditioning and body toning designed to increase muscle tone, flexibility, strength and the cardio respiratory system through the use of interval workouts. Anatomy programs addressed. Prescriptive and descriptive fitness testing administered.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity

Coed, comprehensive aerobic conditioning and body toning routines to music designed to increase muscle tone, flexibility, strength and the cardio respiratory system through the use of interval workouts. Prerequisites: doctor's permission or physical within last year recommended for students age 40 and older.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
General Elective - PEH Activity

An introductory course designed to help each student: improve muscular strength; gain knowledge regarding safety, anatomy, and understanding of weight training theory and practice to be able to develop a personalized weight training program. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity

An introductory course designed to help each student: improve muscular strength; gain knowledge regarding safety, anatomy, and understanding of weight training theory and practice to be able to develop a personalized weight training program. May be repeated for credit.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
General Elective - PEH Activity

Barre fitness is a hybrid workout of movements inspired by ballet combined with strength training. Barre fitness isolates and tones muscle groups through high reps of small-range of motion movements. This course will improve balance, flexibility, strength and core stability through a series of Barre movements in a fast-paced energizing atmosphere. Designed for students of all fitness levels.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity

This course presents the philosophy, postures, relaxation and breath techniques of Yoga as well as balance, flexibility, strength, endurance and stability through a series of Barre Fitness movements in an energizing atmosphere. Emphasis placed on meditation and positive thinking to reduce stress and increase concentration. Designed for students of all fitness levels.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
General Elective - PEH Activity

This course is designed as a high level off-season functional conditioning class. The course will focus on development of explosive power, speed, strength, flexibility, agility, mobility and balance. The course will utilize a wide scope of training methods. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity

This course is designed as a high level off-season functional conditioning class. The course will focus on development of explosive power, speed, strength, flexibility, agility, mobility and balance. The course will utilize a wide scope of training methods. May be repeated for credit.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
General Elective - PEH Activity

Basic skills and techniques to help provide enjoyment and satisfaction, whether participating on a recreational or more competitive level.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity

Lifetime skills offering a composite of the following court sports activities: tennis (fall and spring), basketball, volleyball, racquetball and walleyball. Introduction of basic skills for all these court sports. Develops lifetime skills that can be used for recreational activities. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity

Lifetime skills offering a composite of the following court sports activities: tennis (fall and spring), basketball, volleyball, racquetball and walleyball. Introduction of basic skills for all these court sports. Develops lifetime skills that can be used for recreational activities. May be repeated for credit.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
General Elective - PEH Activity

A comprehensive introductory course on traditional Okinawan karate. Designed with diversified subject matter including physical fitness, self-defense and traditional karate emphasizing the mental awareness, history and philosophy of karate-do. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity

A low-impact exercise based on the slow, fluid movement of tai chi and the breathing exercises of chi kung. Tai chi is an internal martial art based on Chinese philosophy and medicine. A simple, effective program for relaxation and stress reduction through greater mind-body awareness. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity

Designed to introduce the basic skills of fencing. Learn footwork, offensive and defensive moves to be utilized in fencing bouts. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity

Designed for students of all fitness levels. Gain balance, flexibility, strength, endurance and core stability through a series of Pilates movements. Learn relaxation methods through breathing techniques in a calming and energizing atmosphere. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity

Designed for students of all fitness levels. Gain balance, flexibility, strength, endurance and stability through a series of poses or asanas. Learn relaxation methods through breathing techniques in a calming and energizing atmosphere. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity

A unique blend of yoga and Pilates designed for students of all fitness levels. Gain balance, flexibility, strength, endurance and core stability through a series of poses and Pilates movements. Learn relaxation methods through breathing techniques in a calming and energizing atmosphere. May be repeated for credit.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
General Elective - PEH Activity

Students will refine and deepen their knowledge of yoga poses and alignment. Introduction to challenging poses for balance, strength and stability, as well as basic arm balances and inversions. This class is contraindicated for those with serious back injury, inability to maintain challenging workouts and those who are pregnant. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity
**Prerequisites**
PEH 122 or PEH 123 or PEH 111

Basic skills, knowledge and techniques of golf. Introduces and prepares beginning golfers for a lifetime sport. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity

Designed to introduce students to the basic skills, knowledge and techniques of racquetball. The foundations of stroke technique, rules interpretation, game and tournament strategy as well as court safety will be covered. Students will develop the skills necessary to incorporate racquetball into a lifelong health and wellness routine. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity

This course presents the philosophy, intermediate postures relaxation and breath techniques of Yoga. Emphasis placed on meditation and positive thinking to reduce stress and increase concentration. Gain balance, flexibility, strength, endurance and stability and a heightened awareness of self-confidence.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
General Elective - PEH Activity

Designed to help students become more aware, prepared, and able to escape, resist, and survive physical assault. Classes will include lecture, discussion, and easy to remember self-defense techniques. No previous martial arts training or physical fitness requirements necessary.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity

Designed to teach the value of wilderness experience and the knowledge and skills necessary for safe and enjoyable backpacking trips. Topics include wilderness ethics, hiking and backpacking fitness and equipment and expedition trip planning and risk-management. A 3-day, 2-night backpacking trip is a mandatory experiential aspect of the course.
**Credits** 2.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
General Elective - PEH Activity

Designed to introduce participants to basic rock climbing skills necessary to climb and belay using a top-rope system. The skills and information taught in this course include: safety practices, basic climbing knots, belay technique, climbing movement, equipment and terminology.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
General Elective - PEH Activity

Designed to develop, improve and maintain cardiovascular fitness, strength, endurance and flexibility through a variety of cross training activities in a fun group setting. Emphasis will be on proper fundamentals of lifting with weights, TRX bands and the student's own body weight. All ages and fitness levels are encouraged. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity

Designed to develop, improve and maintain cardiovascular fitness, strength, endurance and flexibility through a variety of cross training activities in a fun group setting. Emphasis will be on proper fundamentals of lifting with weights, TRX bands and the student's own body weight. All ages and fitness levels are encouraged. May be repeated for credit.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
General Elective - PEH Activity

The course is designed to introduce students to the basic skills, knowledge and techniques of tennis. Fundamental skills include groundstrokes, volleys, serves, game scoring, strategy and etiquette. Students will develop the skills necessary to incorporate tennis into a lifelong health and wellness routine. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity

Designed to introduce the basic fundamental skills, strategies and rules of Volleyball. Students will develop the skills necessary to incorporate Volleyball into a lifelong fitness, health and wellness routine. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity

This class is designed to introduce the concepts of fitness, health and wellness using an inclusive approach accommodating all ages and fitness levels. Students work towards personal goals in developing strength, flexibility and endurance through the use of the WVC Student Recreation Center. Online components are used for assessment. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity

This class is designed to introduce the concepts of fitness, health and wellness with an inclusive approach accommodating all ages and fitness levels. Students work towards personal goals in developing strength, flexibility and endurance through the use of the WVC Student Recreation Center. Online components are used for assessment. May be repeated for credit.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
General Elective - PEH Activity

This course is designed to promote the health and wellbeing in every aspect of life. Topics covered include health and wellness concepts, theory of physical and emotional health, principles of physical fitness, nutrition, weight management, stress management, sexually transmitted diseases, substance use and abuse and chronic diseases.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
General Elective

This class is designed to develop health knowledge and values with the goal of promoting a high quality of life for each individual. Areas of focus include nutrition, physical fitness, communicable diseases, consumer and environmental health, human sexuality and family life, mental and emotional health, tobacco, alcohol and drugs, aging and death and dying.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective

This course will provide the citizen responder with the knowledge and skills necessary in an emergency to help sustain life and to minimize pain and the consequences of injury or sudden illness until professional help arrives. Fulfills requirements for CPR/AED First Aid certification.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective

Intended for first-year student athletic trainers, this course provides a practical application of athletic training knowledge and skills in the training room setting. Students will assist the ATC in serving the student athletes for WVC men's and women's athletic teams. Course can be repeated for credit, working different sports seasons.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective
**Prerequisites**
PEH 287 or Instructor Permission (HS sports medicine experience)

Principles of racquetball for advanced players. Detailed information on stroke techniques, rules interpretation, including game and tournament strategy, as well as court safety. Aerobic value will be derived by participation and a lifetime sport activity will be the end result.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
General Elective - PEH Activity
**Prerequisites**
PEH 126 or Instructor Permission

Prepares students for the ACE Personal Trainer Certification Exam and become effective personal trainers. Learn to design programs that help clients to improve posture, movement, flexibility, balance, core function, cardiorespiratory fitness and muscular endurance and strength.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
General Elective

This course is designed to introduce the concepts of fitness, health and wellness in an inclusive approach accommodating all ages and fitness levels. Students work towards personal goals in developing strength, flexibility and endurance. Online components are used for assessment. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity

This course is designed to introduce the concepts of fitness, health and wellness using an inclusive approach accommodating all ages and fitness levels. Students work toward personal goals in developing strength, flexibility and endurance. Online components are used for assessment. May be repeated for credit.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
General Elective - PEH Activity

The purpose of this course is to be an introduction to the basic nutritional needs of the human body. The course will include an introduction of human movement and those nutritional components which are necessary for optimum health. Nutrition considerations for sports and exercise will be examined in-depth.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
General Elective

Introduces the essential principles of fitness and exercise and is intended to be one of the first steps in the preparation of individuals as fitness professionals. Provides the fundamental theories, applications and personal experiences necessary for a comprehensive understanding of fitness as a profession and as a lifestyle.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
General Elective

This course is designed to provide an introduction to careers in the fields of physical education, athletic training, exercise science, coaching, fitness, sport management and physical therapy. Leadership, ethics and integrity of sport will be discussed, as well as history and evolution of sport in our society.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
General Elective

An introductory course in which students will investigate the connection between society, physical activity, overall health, wellness, and the bodies physiological processes. The course also provides students with in-class laboratory experiences in which heart rate, strength, muscular endurance and flexibility assessments will be taught and practiced.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science

An introductory course to the field of athletic training. Topics discussed will include professional standards, risk management, employment settings, and prevention and care of common athletic injuries. Emphasis is placed on mechanisms, treatment, and preventive taping of common sports injuries.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective

Students will study the musculoskeletal structure of the human body. Focus is placed on learning bones and joint articulations, as well as learning muscles, their attachments and actions, and how they move the body in sport and everyday activities. Special emphasis is placed on musculoskeletal analysis of basic exercise and movement patterns.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science

Designed for the advanced student athletic trainer, practical application of athletic training knowledge and skills in the training room setting. Students will assist the ATC in serving the student athletes for WVC men's and women's athletic teams. This course can be repeated for credit for working different sports seasons.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
General Elective
**Prerequisites**
PEH 287 or Instructor Permission

Course designed to introduce the basics of hiking in North Central Washington to students of all fitness levels. Addresses decision making skills, trip planning, first aid, safety, navigation and environmental concerns. Includes required day hiking trips in order to apply learned skills in a real-time environment. May be repeated for credit.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
General Elective - PEH Activity

Introduces the fundamentals of alpine skiing or snowboarding to students. Addressing risk-management, teaching techniques and mountain etiquette, students will gain confidence and competence in the lifetime sports of alpine ski and snowboard. The course is a combination of in-class sessions and six on-snow sessions at Mission Ridge Ski Resort. May be repeated for credit.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
General Elective - PEH Activity

Introduction to the basics of rowing for students of all fitness levels. Addresses rowing technique, rowing terminology, safety guidelines, and rowing etiquette. The course includes required rowing outings in order to apply learned skills in a real-time environment.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
General Elective - PEH Activity

Basic to intermediate-level cross-country ski instruction in a weekend format. Skiing techniques for flats, hills, downhill and backcountry will be covered. Techniques such as diagonal stride, skating, uphill running, turning and stopping are incorporated into the sessions with an emphasis on safety. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective - PEH Activity

Provides a combination of the theoretical background and technical aspects needed to lead and manage groups in a winter environment. Topics include navigation with map and compass; avalanche awareness and assessment and risk-management. Lecture and experiential place-based learning will familiarize students with local winter environments and recreational opportunities.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Designed for individuals working and/or recreating in remote wilderness areas. Wilderness First Aid (WFA) covers emergency response, assessment of and treatment given to an ill or injured person in a remote environment where definitive care is not readily available. Lecture and hands-on work includes CPR/AED training.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Utilizes a proactive approach to managing risks associated with conducting physical education, recreation and outdoor education programs. Physical, emotional and legal risk factors will be explored in depth as students create risk management plans.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Develops whitewater guiding skills and competencies through hands-on experience on the river and in the classroom. The skill and competencies include outdoor leadership, naturalist training, risk management, reading whitewater and maneuvering paddle rafts. This course includes four arranged weekend trips during the quarter.
**Credits** 3.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Introduction to the field of recreation with a focus on the historical, philosophical and theoretical aspects of leisure and recreation in society from both a local and global perspective. An overview of the recreation profession and career options will be explored through experiential learning in the community.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective

Designed to prepare students to implement environmental education opportunities in formal and non-formal education settings. Topics include history and philosophy of environmental education, experiential and placed based teaching pedagogy and environmental literacy. Students will critically examine environmental issues and explore ways in which to promote broader understanding of these issues.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective

Designed for students interested in acquiring and developing leadership and facilitation skills. Explore pedagogy, group dynamics, facilitation, risk-management and the art of sequencing group initiatives. Students will also be introduced to the operation of a variety of low and high challenge course initiatives.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
General Elective

# Geography

Geography is the scientific study of the interactions between human societies and the natural world across the globe. Geography courses are designed to promote student exploration of cultural diversity, sustainability, and critical thinking based on reliable demographic and scientific data sources.

Introduction to the study of human geography and the major themes of the discipline. Topics include human-environment interaction, population and migration, cultural diffusion, patterns of health and nutrition, industrialization, economic development, and political geography. These will be approached in the context of regional difference and globalization.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

Examines the diversity of the world's human and physical landscapes using a regional approach. Geographic concepts and the dynamics of development are discussed within the context of 10 major geographic realms. Regional disparities and interdependencies provide an important focus for understanding the global complexity of social systems.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

From personal to global levels, this course uses a systems approach to examine interaction of social, economic, and ecological factors in natural resources management. Identify and explore the consequences of diverse natural resource philosophies and paradigms, and develop skills to direct, mitigate or change human impacts on natural systems. Also offered as NATR 235.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

Survey of the field of economic geography, including globalization, economic development, location analysis and economic clusters, rural and urban land use, and spatial aspects of retail. Economic debates and alternative theories examined in historical and current context. Global, regional and local scales employed to explore how production, distribution and consumption of goods and services are geographically organized.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

Introduction to sustainability and issues that impact sustainable development globally, nationally and locally. Examines our role in natural resource depletion and waste both in urban and rural spaces while envisioning ways to sustain ecosystems, support social justice, and reduce our ecological footprint. Includes a service learning component.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

Introduces Geographic Information Systems (GIS) which display, store, edit, and analyze spatial information. Topics will include data input, management, and manipulation to create maps and perform spatial data analyses using ArcGIS. Previous GIS experience is not required, but students must be proficient with Windows OS.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Social Science

# Geology

The WVC Earth Sciences Department is committed to offering comprehensive courses that promote understanding the Earth and the universe. Courses range from those designed for the non-science major to Earth Science major transfer students in Geological Sciences, Astronomy, Meteorology, Climatology, and geological or hydrological Environmental Science. The department offers a wide variety of courses designed to meet the general educational, pre-professional and overall academic goals of WVC students.

Study the geologic processes that shape the earth. Determine how the earth works and its history by applying principles of geology, chemistry and physics. Topics include plate tectonics, earthquakes, volcanoes, rocks, minerals, glaciers, rivers, geologic maps and the structure of the earth. May include field trips. Includes laboratory.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
MATH 93 or higher

Learn Pacific Northwest geology and geologic history by studying rocks, sediments, landforms, fossils, geologic maps and geologic structures. Examine how plate tectonics, volcanoes, faulting, folding, rock formations, geologic time, mountain building, terrain accretion, earthquakes, glaciers, rivers and floods have created our land and resources. May require field trip(s). Includes laboratory.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab

Scientific study of earthquakes, floods, landslides, volcanic eruptions, extreme weather, wildfires, asteroid impacts, and other disruptive events. Introduces and applies elements of geology, meteorology, physics, and astronomy. Examines human factors, risk reduction, disaster prediction, monitoring, alert systems, and disaster recovery. Includes historic examples and disasters in the news.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science

Explore how the earth environment controls human existence and how earth itself changes in response to human activities. Study the determining factors and predict the effects of earthquakes, volcanic eruptions, landslides, floods, changing climates and human use of Earth's resources of energy, minerals, water and soil.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science
**Prerequisites**
MATH 93 or higher

# German

Elements of German phonetics and orthography. Introduction to German grammar and conversational usage. Background in grammatical terminology is recommended.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Continuation of German I. Increased use of German as the language of instruction. Background in grammatical terminology is recommended. Courses should be taken in sequence.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
GERM& 121

Continuation of German II. Increased use of German as the language of instruction. Background in grammatical terminology is recommended. Courses should be taken in sequence.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
GERM& 122

# Graphic Design

An introductory, comprehensive step-by-step instruction and explanation of the 'how' and 'why' behind the industry standard software skills of Adobe Creative Suite, including InDesign, Photoshop and Illustrator. Students will be introduced to each feature as they work through information, including projects, reviews and step-by-step tutorials.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance

Study of industry-standard software and how to integrate these programs into seamless communication, while producing works that conform to design principles and client expectations. Learn essential graphic-design terminology and continue developing knowledge and skills through advanced, hands-on projects implementing vector illustrations, page layouts, image manipulation and typography.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 130 or Instructor Permission

Introductory studio inquiry into graphic communication, including concepts and practical applications of traditional and contemporary visual art. Covers symbols, typography, information design, visual concepts and three-dimensional graphic design. Lectures, readings, demonstrations, slide presentations and group exercises are applied to visual problem solving, using digital hardware and software tools.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance

Covers foundations of two-dimensional visual graphic design, using basic computer skills, techniques and technology. Classic design elements of balance, harmony, variety and other design principles are explored and employed toward projects covering line and shape, type combinations, typography as design elements, color composition, drawing, photo, and collage.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance

Focuses on using typography as the primary visual in design exploration, with text introduced as a design element. Includes font classification, composition and production techniques. Projects cover typographic history, effective use of type and letterforms, and working knowledge of effective typographic methodology to creatively solve communications problems.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance

An introduction to fundamentals of digital photography. Topics include learning to use and understand digital cameras, shooting techniques, lenses, correct exposure, lighting, composition, creative image enhancement and manipulation. Includes instruction on skills useful for graphic design.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance

This foundation class for graphic designers identifies issues specific to publications and ways in which design principles and techniques are applied to solve them. Topics include effectively organizing content, using type and color, understanding the development of functional and visually engaging compositions, understanding visual and informational hierarchy, and typography.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance

Packaging design combines marketing and graphics with an emphasis on three-dimensional design. Packages are analyzed and positioned from a marketing point of view. Brand marks, visual graphics and color schemes are developed for individual products and more sophisticated related product lines. Typical assignments include food, fragrance and mass-market packaging designs.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 135

Studio course covering the process and purpose of graphic design. Projects include developing graphic design solutions for logos, branding, book jackets, packaging, posters, and advertising. Components of the design process including typography, layout, two-dimensional design principles, the job search, and student portfolios will be covered.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 139

Introduction to Web Graphic Design stressing fundamental principles and their application to the web. Beyond mastering technical details of software, the course focuses on the essential building blocks of color, type, and layout, in working toward professional, appealing and functional website designs.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 234

Capstone class investigates each phase of the branding process through comprehensive coverage of key brand applications in graphic design and advertising. Gain insight into the art of designing individual brand applications: brand identity, promotional design, identification graphics, websites and advertising. Develops strategies for generating ideas and creating brands.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
ART 235

# Health

**Credits** 1.00–5
**Weekly Contact Hours** 500.00

The standard first aid and CPR skills a person needs to know as the first link in the emergency medical services system. The focus is to prepare the participants to respond correctly in emergencies.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective

Prepares students for beginning studies in allied health careers. Includes study of terms in anatomy, physiology and pathology through word analysis with emphasis on word parts: prefix, root and suffix. Also covered are medical abbreviations and pathologic terms used for common medical diagnoses, diagnostic tests and operative procedures.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

# History

An introduction to the foundations of Western Civilization from the Neolithic Revolution until the collapse of the Western Roman Empire (476 A.D.). Emphasis will be given to the development of Western society, political ideas, social constructs, cultural attributes and religions traditions.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

A general survey of Western Civilization from the collapse of the Western Roman Empire until the Enlightenment. Emphasis of the class will be on the political, social and cultural aspects that have contributed to the emergence of modern Europe and the Middle East.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

A general survey of the history of Europe and the Middle East from the French Revolution (1789 AD) until the present. Emphasis will be given to those events, movements, ideas, developments and individuals who have had the most impact on Europe and the Middle East today.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

A general history of the United States from the earliest indigenous societies and cultures to the end of the American Civil War. The primary focus of this course is to chart the development American society, culture, and politics. Additionally, the course attempts to stress the diversity of cultures and peoples found in the United States and the impact of this diversity upon the development of American history.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

A survey of American history from Reconstruction through the conclusion of World War II. The course will emphasize the re-founding of the nation after the Civil War, racism, movements for equality, the industrial economy, political reform, the transformation of the American West, and American Imperialism.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science
**Prerequisites**
NA

This course is a survey of American history from 1945 until the present. The course will emphasize the Civil Rights Movements, the Cold War, American foreign policy, the growth of the imperial Presidency, socio-economic change, immigration, immigration reform, and the battle to define American Identity.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science
**Prerequisites**
NA

Survey of the historical, economic and political developments of the Pacific Northwest region. Course meets Washington state requirements for certification of teachers.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

A survey of women and U.S. history from pre-European settlements to the present from the perspective of women of various racial, ethnic, religious, and socioeconomic backgrounds. Explores women's place in American history, emphasizing how female roles in family, work, politics, and culture have changed over time, creating definitions of womanhood.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

Survey of the interaction between the Native American populations of North American and the changing economic, social and political environments.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

This course explores the development, evolving understanding, and historical impact of the American Constitution on our society. It examines the intersectionality of American institutions in implementing, interpreting, and defining the Constitution. Critically emphasizes how historically marginalized groups fought to have their rights recognized and protected under the Constitution.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

Survey of the political, economic, social and spiritual changes affecting the 12 diverse nations of the Confederated Tribes on the Colville Reservation.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

This course examines the political, social, economic and cultural history of the United States from 1945 to the present with special emphasis on the Cold War, civil rights and the War on Terror.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

This course examines the socio-historical/cultural origins of Hip Hop in the 1970s. Hip Hop will be used as a historical lens to examine U.S. History after WWII. Emphasis will be placed on the economic, political, and social conditions faced by individuals in urban centers.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

A historic examination of Mexican society from its indigenous roots through conquest and colonization to independence, constitutional struggles, revolutions, and some contemporary issues.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

This course utilizes a thematic approach-revolutions-to historically analyze the diverse societies in Latin America.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

An introduction to the history of Southeast Asia from the earliest civilizations until the 20th century. Emphasis is placed on understanding the development of Southeast Asian cultures and societies, as well as charting the emergence of the modern countries that are found in the region.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

A general survey of the history of East Asia from prehistoric times until the 20th century. This course seeks to help students understand the development of modern China, Korea and Japan from their ancient origins and traditions. The class will stress the emergence of these three distinct cultures and societies, as well as emphasizing the diversity found within each country.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

An overview of the history of South Asia from the earliest civilizations until the 20th century. A particular emphasis will be given to describing the development of unique societies and cultures in South Asia. The course will focus primarily upon the peoples and cultures of modern India and Pakistan, but attention will also be given to Nepal, Bhutan and Afghanistan.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

# Humanities

The Humanities Department offers a wide-range of courses that seek to enrich and transform students' lives by allowing them to explore the art, history, philosophy, and literature that is reflective of the human condition. Humanities courses emphasize questions of meaning, value, and significance while critically engaging with an array of humanity's artistic and intellectual accomplishments.

A study of art, history, philosophy, and literature that explores questions of meaning, value, and aesthetics. This course aims to investigate and critique the experiences of humanity by utilizing an interdisciplinary and interpretive approach that emphasizes reading, critical thinking, and writing.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

A study of the significant movements in Western culture through an interdisciplinary examination of major works, core texts, and artistic accomplishments. This wide range of texts explores the forces informing the humanities, from the beginning of civilization to the end of the Classical Age.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

A study of the significant movements in Western culture through an interdisciplinary examination of major works, core texts, and artistic accomplishments. This wide range of texts explores the forces informing the humanities, from the Middle Ages to the Renaissance.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

A study of the significant movements in Western culture through an interdisciplinary examination of major works, core texts, and artistic accomplishments. This wide range of texts explores the forces informing the humanities, from the Age of Enlightenment to Modern Age.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

A study of the elements of film structure and content for analysis and understanding of the human experience. Through critical viewing, thinking, and writing, students will gain a basis for understanding how cultural themes and values are expressed in film.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

A study of the meaning, value and scope of symbolism and myth. Explores myths and the symbols they contain from a wide-range of cultures and time periods with a focus on the human condition and humanity's efforts to understand itself.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

A study of the history, cultural significance, and formal elements of various sequential art forms, including, comic books, manga, and graphic novels. Explores the interplay of image and text and build visual literacy by examining influential and respected works such as Maus, Watchmen, Persepolis, and others.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

A study of the cultural and historical development of global cinema outside of Hollywood and the United States, emphasizing the study of films and innovations in film production, distribution, and exhibition, as well as changes in national identity, that have had significant influence on international cinema.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Humanities

A study of the art, history, philosophy and literature that explores the portrayal, values and professional and ethical identity of nurses and midwives, emphasizing the study of works that have had significant influence on the nursing profession.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

# Industrial Electronics

Fundamental theory, multi-meter usage, Ohm's Law, series and parallel circuits, voltage and current laws, series/parallel combination circuits, DC motors, generators, semi-conductors, and instrumentation. A lab section provides hands-on exercises to reinforce principles and applications to test and troubleshoot circuits.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MATH 93 or MATH 96 (98) or Instructor Permission

A comprehensive focus on the concepts, terminology, components and circuits that combine to form the basic digital electronic system. Includes digital number systems, gates, inverters, Boolean algebra, flip-flops, registers, timers and counters. Hands-on lab exercises include building logic gate circuits and working with 7400 series digital components.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ELEC 115 or ELEC 125 or ELTRO 101

Introduction to programmable logic controllers (PLCs). Includes practical lab work on industrial PLC controls. Basic ladder logic programming skills and installation methods will be introduced. Students experiment with a PLC controller/simulator and mechanically controlled systems with physical inputs and outputs to reinforce concepts.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ELEC 115 or ELEC 125 or ELTRO 101 or ELTRO 121

Designed to provide students with on-the-job practical field experience related to electrical and electronic industries. One credit is earned for each five hours of work experience per week. Prerequisites: instructor's permission.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Covers the current edition of the National Electric Code (NEC). Through classroom lecture and discussion, develops comprehension of the NEC sections and relevant industrial electronics and electricity applications.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective

Course focuses on initial development, design and implementation of TAG-Based programming ladder logic software and subroutines to perform industrial control processes and applications. Data organization, file management, relay instructions, comparisons, sequencers and PID control will be introduced and applied through hands-on exercises.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ELTRO 132

Programming and using graphics for touch-screen technology, and how to program symbolically for reusable ladder development. Includes use of software (C'More ™) to create human machine interface (HMI/MMI) technologies, object-oriented animated graphics, and enhanced trending, alarming, derived tag creation and event detection.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective

The theory of operation, calibration and troubleshooting of common control valves, actuators and robotic cells used in food processing and manufacturing.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ELTRO 132 or ELEC 125 or ELEC 135

Covers elements of drag-and-drop, relaxed editor, programming and using graphics for touch-screen technology, and how to program symbolically for reusable ladder development. Includes use of software to create human machine interface (HMI/MMI) technologies, object-oriented animated graphics, and enhanced trending, alarming, derived tag creation and event detection.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ELTRO 210

Focuses on the development, design and implementation of advanced programming ladder logic using tag-based data organization. Class focuses on the useful 'tag-naming' of PLC outputs, inputs and their use in PLC logic. Tag-naming enables students to construct PLC programs that are readable and understandable by tradespersons across industry.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ELTRO 132

Introduces the many networks for online communications, including Serial, ControlNet, DeviceNet, Profibus and Ethernet networks. Also use network technology to multicast input devices, share data between controllers and control remote I/O.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ELTRO 220

Learn procedures for isolating and safely correcting problems in an industrial electricity/electronics system. Includes editing, uploading, downloading, saving and restoring PLC programs, and interpreting basic ladder logic instructions. Hands-on practice uses actual electronic controls and PLC system workstations.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ELTRO 210

Introduction to hydraulic and pneumatic systems, fluids, pumps, sensors, control devices, control valves, hydraulic cylinders, and receiver controllers. Includes system energy requirements, hydraulic and pneumatic logic, and the requirements and examples for interfacing into electronic Programmable Logic Controllers (PLC) automation controllers.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective

Designed to provide students with additional on-the-job practical field experience related to electrical and electronic industries. One credit is earned for each five hours of work experience per week.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

An overview of the proper maintenance associated with industrial and commercial equipment. Both mechanical and electrical hands-on skills will be included. Students will study bearing and bearing failures, vibration analysis, thermal imaging, specific plant safety hazards and the monetary benefits of a well executed maintenance strategy.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective

# Industrial Technology

Introduction to careers in aerospace and related industries. Hands-on practice in basic electrical/electronic laboratory procedures including measurement, meters, use and maintenance of other tools and equipment. Emphasizes personal safety and maintaining a safe workplace.
**Credits** 3.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective

Designed to introduce commonly used metal fabrication techniques. Including but not limited to: measuring instrumentation, metal preparation, welding, machines (drills, saws, grinders, mills and lathes) and metal bending devices. Emphasis placed on the safe use of tooling, pre-planning and fabrication of structurally sound projects.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
WELD 128 or WELD 131 or WELD 132 or concurrent enrollment in any of the three

Introduces the student to an intermediate level of fabrication techniques such as measurement instrumentation, metal preparation, welding, machines (drills, saws, grinders, mills and lathes), and metal benders. Emphasis is placed on the safe use of tooling, pre-planning, and fabrication of structurally sound projects.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
INDT 135 or industry experience with Instructor Permission

Designed to introduce commonly used sheet metal fabrication techniques, including but not limited to: measuring, shearing, bending, lay-out, metal preparation, welding, machines (drills, saws, grinders, brakes, shears) and hand-held specialized sheet-metal tooling. Emphasis placed on the safe use of tooling, pre-planning, proper fitment and the fabrication of structurally sound projects.
**Credits** 3.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
WELD 128 or WELD 131 or WELD 132 or appropriate industry experience (Instructor Permission)

An overview of the proper maintenance associated with industrial and commercial equipment. Both mechanical and electrical hands-on skills will be included. Students will study bearing and bearing failures, vibration analysis, thermal imaging, specific plant safety hazards and the monetary benefits of a well executed maintenance strategy.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective

Intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment. Variable credit class.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

Culmination of year-long certificate program including final project. Includes review for industry certification testing, guidance for compilation of simple portfolio for job-seeking purposes, and other job-seeking activities.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective

Provides a capstone experience for the digital design program, including practical application of the design and computer skills learned within the degree, portfolio development, and industry familiarity.
**Credits** 3.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective

Intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment. Variable credit class.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

# Japanese

To develop students' communicative skills in everyday situations in Japanese. Learn reading and writing skills at the elementary level.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Continuation of Japanese I. Develop communicative skills in everyday situations in Japanese. Learn reading and writing skills at the elementary level.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
JAPN& 121

Continuation of Japanese II. Deals with more grammatical aspects of Japanese language than Japanese II. Primary objective is still to develop students' communicative skills in everyday situations in Japanese. Students also will learn reading and writing skills at the elementary level.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
JAPN& 122 or equivalent

Continuation of Japanese III. The primary objective is to enhance students' communicative skills in a variety of everyday situations in Japanese. Students will learn reading and writing skills at the intermediate level.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
JAPN& 123 or Instructor Permission

Continuation of JAPN IV. The primary objective is to enhance students' communicative skills in a variety of everyday situations in Japanese. Students will learn reading and writing skills at the intermediate level.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
JAPN& 221 or Instructor Permission

Continuation of Japanese V. The primary objective is to enhance students' communicative skills in a variety of everyday situations and in some workplace situations in Japanese. Students will learn reading and writing skills at the intermediate level.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
JAPN& 222 or Instructor Permission

# Journalism

Fundamentals of Journalism. Course covers the principles, ethics, role and responsibility of journalists and news outlets; history, law and economics of the industry. Students are also introduced to the challenges of newsgathering, writing and publishing to audiences in an ever-evolving landscape of multi-media, digital and social platforms.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
Placement in language usage and reading or a "C" (2.0) or higher in ENGL 97 or a "B-" (2.7) or higher in ABE 19 or a "B" (3.0) or higher in the Bridge-to-College English Language Arts course or a Smarter Balanced grade of 3 or higher.

# Latin

Introduction to the most fundamental elements of Latin with equal emphasis on reading, writing, speaking and listening skills. The classical pronunciation will be used in class, although Italian (liturgical) pronunciation can be given attention at the student's request.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Continued study of the fundamental elements of Latin with equal emphasis on reading, writing, speaking and listening skills. The classical pronunciation will be used in class, although Italian (liturgical) pronunciation can be given attention at the student's request.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
LATN 101 or equivalent

Conclusion of study of the fundamental elements of Latin with equal emphasis on reading, writing, speaking and listening skills. The classical pronunciation will be used in class, although Italian (liturgical) pronunciation can be given attention at the student's request.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
LATN 102 or equivalent

An immersive, activity-based workshop in Latin conversation. Spend a minimum of two and a maximum of 10 and a half days speaking and engaging in a wide variety of both specialized and common daily activities in Latin.
**Credits** 1.00–4
**Weekly Contact Hours** 8.00
**Meets Degree Requirements For**
General Elective
**Prerequisites**
One Year of Latin (LATN 101, 102 and 103) and Instructor Permission

An immersive, activity-based workshop in Latin conversation. Spend a minimum of two and a maximum of 10 and a half days speaking and engaging in a wide variety of both specialized and common daily activities in Latin.
**Credits** 1.00–4
**Weekly Contact Hours** 8.00
**Meets Degree Requirements For**
General Elective
**Prerequisites**
Two or More years of Latin and Instructor Permission

# Library

Covers the basic skills necessary to acquire, evaluate and use information from a variety of sources. Students will survey the types of information available via academic and non-academic sources, with an emphasis on practical research skills. Students will use technological tools to produce research projects. Prerequisites: basic computer skills are recommended.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

# Machining Technology

An introductory course focusing on safe operation of machine tools and precision measurement. Students will learn benchwork skills using hand tools. Students will learn how to operate band saws and a drill press. The course will introduce off-hand grinding as well as manual lathe and manual mill machines.
**Credits** 5.00
**Weekly Contact Hours** 8.50
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.

An introductory course focusing on the history, purpose and safe operations of machine tools, primarily the lathe, milling machine and associated tooling. Students will learn machine limits, modern and historic practices, as well as construct assigned projects. Emphasis on tool speeds, feeds, layout, shop math and proper material selection.
**Credits** 10.00
**Weekly Contact Hours** 14.00
**Meets Degree Requirements For**
Restricted Elective

An introductory course focusing on machining careers, safe operation of machine tools, as well as the basics of engineering prints. Students will be exposed to a variety of different machines as they integrate into the machine shop.
**Credits** 1.00
**Weekly Contact Hours** 1.70
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.

An introductory course focusing on precision measurement and inspection methods used in a machine shop. Students will gain hands-on experience with the standard measuring tools of industry.
**Credits** 1.00
**Weekly Contact Hours** 1.70
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 111 or High School Articulation or PLA or Instructor Permission

An introductory course focusing on processing parts with rudimentary layout, cutting, and measuring hand tools. Students will practice proper inspection of finished parts as well as explore safe operation of automated machine tools.
**Credits** 1.00
**Weekly Contact Hours** 1.70
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 111 and MACH 112 or High School Articulations or PLA or Instructor Permission

An intermediate course focusing on the creation of machine tooling for both lathes and milling machines. The course focus will include: metallurgy, heat treatment, precision grinding, cutting geometry, bit sharpening and unique tooling. Students will also gain a working knowledge of GD&T.
**Credits** 10.00
**Weekly Contact Hours** 14.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MACH 105

Students will demonstrate and build proficiency in manual or conventional machining skills. Student and instructor will agree on a complex project that student will create. Course will also begin the exploration of G-Code programming and basic CNC operation.
**Credits** 10.00
**Weekly Contact Hours** 14.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MACH 115

A course focused on operation of manual machine tools utilizing modern machine theory. The course introduces metallurgy, heat treatment of materials, and material testing. The students will practice to competency standard operations on manual milling machines, lathes, and surface grinders. Power feeds, digital readouts, indexing equipment and trigonometry also utilized.
**Credits** 1.00–10
**Weekly Contact Hours** 17.50
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 101 or High School Articulation or PLA or Instruction Permission

An introductory course focusing on safe operation of band saws and drill presses. Layout techniques for job setup will be practiced. Students will also practice basic cutting operations on both horizontal and vertical saws, as well as creating five standard hole features on drill presses.
**Credits** 2.00
**Weekly Contact Hours** 3.40
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 111 and MACH 112 and MACH 113 or High School Articulations or PLA or Instructor Permission

An introductory course focusing on setup and safe operation of vertical milling machines. Students will practice basic cutting operations of milled features using handwheel reading techniques.
**Credits** 2.00
**Weekly Contact Hours** 3.40
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 141 or PLA or Instructor Permission

An introductory course focusing on setup and safe operation of lathes. Students will practice basic cutting operations of turned features using handwheel reading techniques.
**Credits** 2.00
**Weekly Contact Hours** 3.40
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 142 or PLA or Instructor Permission

An introductory course focusing on off-hand grinding and the operation of tool grinding equipment. Students will practice creating and sharpening high speed steel cutting tools.
**Credits** 3.00
**Weekly Contact Hours** 5.10
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 143 or PLA or Instructor Permission

An intermediate course focusing on cutting operations of milled features using a digital readout. Students will practice creating parts of increased tolerance and complexity.
**Credits** 3.00
**Weekly Contact Hours** 5.10
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 144 or PLA or Instructor Permission

An intermediate course focusing on cutting operations of turned features using a digital readout. Students will practice creating parts of increased tolerance and complexity.
**Credits** 3.00
**Weekly Contact Hours** 5.10
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 145 or PLA or Instructor Permission

An advanced course focusing on cutting operations of milled features. Students will practice creating parts of tight tolerance and high complexity.
**Credits** 3.00
**Weekly Contact Hours** 5.10
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 146 or Instructor Permission

An advanced course focusing on cutting operations of turned features. Students will practice creating parts of tight tolerance and high complexity.
**Credits** 3.00
**Weekly Contact Hours** 5.10
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 147 or Instructor Permission

An intermediate course focusing on safe grinding operations of surface grinders. Students will practice creating parts of tight tolerance and fine surface finishes. In preparation for grinding, students will be introduced to heat treatment and material testing.
**Credits** 3.00
**Weekly Contact Hours** 5.10
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 148 or Instructor Permission

An introductory course focusing on Geometric Dimensioning and Tolerancing (GD&T). Students will practice reading prints, as well as measuring parts, using the GD&T principals.
**Credits** 2.00
**Weekly Contact Hours** 3.40
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 149 or Instructor Permission

An introductory course focusing on the setup of CNC milling and turning centers. Students will practice loading appropriate tool holding and work holding devices into CNC machines in addition to setting tool and work offsets inside using the machine control. The students will be introduced to reading and creating setup sheets and tool lists.
**Credits** 2.00
**Weekly Contact Hours** 3.40
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 171 or Instructor Permission

An introductory course focusing on CNC milling centers. Students will longhand program, set up, and practice safe operation of CNC milling machines for basic feature creation.
**Credits** 3.00
**Weekly Contact Hours** 5.10
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 172 or Instructor Permission

An introductory course focusing on CNC turning centers. Students will longhand program, set up, and practice safe operation of CNC lathes for basic feature creation.
**Credits** 3.00
**Weekly Contact Hours** 5.10
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 173 or Instructor Permission

An intermediate course focusing on CNC milling centers. Students will longhand program, set up, and practice safe operation of CNC milling machines. Students will explore combining multiple tools and using multiple work offsets to create finished parts.
**Credits** 2.00
**Weekly Contact Hours** 3.40
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 174 or Instructor Permission

An intermediate course focusing on CNC turning centers. Students will longhand program, set up, and practice safe operation of CNC lathes. Students will explore combining multiple tools and using multiple work offsets to create finished parts.
**Credits** 2.00
**Weekly Contact Hours** 3.40
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 175 or Instructor Permission

An advanced course focusing on CNC milling centers. Students will longhand program, set up, and practice safe operation of CNC milling machines. Students will explore incremental and sub programming techniques while creating increasingly complex parts.
**Credits** 2.00
**Weekly Contact Hours** 3.40
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 176 or Instructor Permission

An advanced course focusing on CNC turning centers. Students will longhand program, set up, and practice safe operation of CNC lathes. Students will explore incremental and sub programming techniques while creating increasingly complex parts.
**Credits** 2.00
**Weekly Contact Hours** 3.40
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 177 or Instructor Permission

Intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment. Variable credit class.
**Credits** 1.00
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

CNC Operation, Setup and Programming
**Credits** 1.00–15
**Weekly Contact Hours** 26.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 133 or Prior Learning Assessment or Instructor Permission

Intermediate course that explores the basics of 2D CAM programming. The students will also longhand program complex parts and fixtures. CNC operation and offset adjustments will become more prevalent this quarter.
**Credits** 10.00
**Weekly Contact Hours** 14.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MACH 125

An introductory course focusing on Computer Assisted Manufacturing (CAM) and its use in creating parts of increasing complexity for mills. Students will create parts, apply toolpaths, implement multiple work planes, and conduct analysis of machining processes within the CAM system. Students will also setup and operate the parts they have programmed.
**Credits** 5.00
**Weekly Contact Hours** 8.50
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 178 or Instructor Permission

An introductory course focusing on Computer Assisted Manufacturing (CAM) and its use in creating parts of increasing complexity for lathes. Students will create parts, apply toolpaths, implement multiple work planes, and conduct analysis of machining processes within the CAM system. Students will also setup and operate the parts they have programmed.
**Credits** 5.00
**Weekly Contact Hours** 8.50
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 211 or Instructor Permission

An intermediate course focusing on Computer Assisted Manufacturing (CAM) and its use in creating parts of increasing complexity for both mills and lathes. Students will create parts, apply toolpaths, implement multiple work planes, and conduct analysis of machining processes within the CAM system. Students will also setup and operate the parts they have programmed. This course introduces students to complex 3-axis and 4-axis toolpaths.

**Credits** 5.00
**Weekly Contact Hours** 8.50
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 212 or Instructor Permission

Students will demonstrate and build proficiency in CNC machining skills. Students and instructor will agree on complicated project that student will create. Strong emphasis on intermediate CAM programming, in-depth machine setup, and independent operation of CNC machines.
**Credits** 10.00
**Weekly Contact Hours** 14.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MACH 205

An advanced course that will explore 3D CAM programming in addition to showcasing the skills obtained in the previous five quarters. Students will discover potential job opportunities, create resumes, fill out applications and plan their career path.
**Credits** 10.00
**Weekly Contact Hours** 14.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MACH 215

An advanced course focusing on Computer Assisted Manufacturing (CAM) and its use in creating parts of increasing complexity. Students will create parts, apply toolpaths, implement multiple work planes, and conduct analysis of machining processes within the CAM system. This course introduces students to complex 3-axis and 4-axis toolpaths.
**Credits** 1.00–15
**Weekly Contact Hours** 26.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MACH 199

This variable credit course allows students to pursue concepts beyond the scope of the first year machining courses. Students from industry can also enroll to study specific topics. Registration will require instructor approval of specific learning outcomes in order to determine applicable credit hours.
**Credits** 1.00–15
**Weekly Contact Hours** 26.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.

Intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

# Mathematics

A survey in mathematical topics focusing on topics such as growth, finance and statistics that are essential knowledge for an educated citizen. Students will build confidence in mathematical reasoning relevant to a wide range of liberal arts and humanities applications.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science, Quantitative Skills
**Prerequisites**
MATH 99 with a grade of "C" (2.0) or better, or a grade of 3 or higher on the Smarter Balanced exam, "C" (2.0) or better in high school Algebra, Precalculus or Calculus within past three years or appropriate placement score.

First of two mathematics content courses for elementary education majors. Topics include number theory, the real number system, place value, operations and algorithms with whole numbers and rational numbers, ratios, proportions, percents, and functions. Emphasis is placed on mathematical reasoning, problem solving, modeling, communication of mathematical ideas, and analysis of common student misconceptions in relation to Pre-K–8 mathematics standards.
**Credits** 5.00–5
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science
**Prerequisites**
Placement by assessment or MATH 99 with a C or better.

Second of two mathematics content courses for elementary education majors. Topics include properties and classification of two- and three-dimensional figures, measurement, angles, area, perimeter, volume, surface area, geometric constructions, similarity and congruence, transformations, the Pythagorean theorem, trigonometry, proportions, probability, counting, and descriptive statistics. Emphasis is placed on problem solving, mathematical reasoning, communication of ideas, spatial thinking, and analysis of common student difficulties in relation to Pre-K–8 mathematics standards.
**Credits** 5.00–5
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Quantitative Skills
**Prerequisites**
MATH& 131 with a C or better. OR May be taken with MATH& 131.

Functions and their graphs (including elementary, exponential and logarithmic functions, and the conic sections) and their inverses in the context in which they are used in calculus. Work with graphing calculators will be integrated into the course.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science, Quantitative Skills
**Prerequisites**
MATH 102 with a "C" (2.0) or better, MATH 140, or appropriate placement score

Introduction to trigonometric functions as they relate to the unit circle and right triangle. Graphs of the functions, applications, problem solving, identities, inverse functions, complex numbers, vectors and analytic geometry including polar coordinates and parametric equations. The basic concepts of sequences and series will be covered.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science, Quantitative Skills
**Prerequisites**
MATH 140 or MATH& 141 with a grade of "C" (2.0) or better or appropriate placement score

Fundamental concepts and applications of descriptive and inferential statistics. Includes measures of central tendency and variability, statistical graphs, probability, the normal distribution, hypothesis testing, confidence intervals, ANOVA testing and regression analysis. Graphing calculator or statistical software techniques are used throughout the course.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science, Quantitative Skills
**Prerequisites**
MATH 99 with a "C" (2.0) or better, or a grade of 3 or higher on the Smarter Balanced exam, "C" (2.0) or better in high school Algebra, Precalculus or Calculus within past three years or appropriate placement score.

Differential and integral calculus designed for students majoring in business administration, social sciences and other programs requiring a short course in calculus. Work with graphing calculators will be integrated into the course.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science, Quantitative Skills
**Prerequisites**
MATH 140 or MATH&141 with "C" (2.0) or better, "B" or higher in a high school precalculus or calculus class within the past 3 years, a grade of 4 on the Smarter Balanced exam, or appropriate placement score

Introduction to limits, derivatives, higher-order derivatives and implicit differentiation. Applications involving maximums and minimums, and related-rates. Analysis of graphs of functions.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science, Quantitative Skills
**Prerequisites**
MATH& 142 with a "C" (2.0) or better or appropriate placement score

Focuses on definite, indefinite, and improper integrals, techniques of integration and using integration to solve area, volume, work and other application problems.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science, Quantitative Skills
**Prerequisites**
MATH& 151 with a grade of "C" (2.0) or better or appropriate placement score

Calculus of parametric and polar functions. Vector operations, calculus of vector-valued functions, analysis of motion in three dimensions. Sequences, series, Taylor polynomials, and Power Series.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science, Quantitative Skills
**Prerequisites**
MATH& 152 with a grade of "C" (2.0) or better or appropriate placement score

Focuses on multivariable and vector calculus, including: vector fields, gradients, curl, divergence, optimization, double and triple integrals in rectangular, polar, cylindrical, and spherical coordinate systems, line and surface integrals, Green's Theorem, Divergence Theorem, Stokes' Theorem.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science, Quantitative Skills
**Prerequisites**
MATH&153 with a grade of "C" (2.0) or better or appropriate assessment score

Topics include: Adding, subtracting, multiplying and dividing real numbers including positive and negative integers, decimals, and fractions; applications involving geometry, ratios, proportions, percents and dimensional analysis; computation of powers; and introduction of roots. Calculators are not allowed.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
Appropriate ABE or placement score

An introductory course intended to prepare students for MATH 93 or MATH 100. Emphasizes arithmetic operations with signed numbers, fractions and decimals, measuring methodology and unit conversion, basic algebra concepts up through solving linear equations, and applied mathematics as found in Industrial and Technical Programs.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.

Students will work with polynomials, solve linear equations, graph linear equations in two dimensions, calculate slopes and intercepts for lines, solve systems of linear equations, and use unit analysis to solve applications. This course prepares students for MATH 99. Concurrent enrollment in SDS 103 is recommended.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MATH 90 or MATH 92 or higher with a grade of "C" (2.0) or better or ABE 40 with a "B-" (2.7) or better, or appropriate placement score.

Topics include solving linear, quadratic (by factoring) and rational equations; solving a linear system of equations; manipulating polynomials (adding, subtracting, multiplying and dividing); and using exponent properties to simplify expressions. Students will also graph linear equations in two variables, calculate slopes, and find linear functions.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MATH 93 or higher with a grade of C (2.0) or better, ABE 41 with a B- (2.7) or better, or appropriate placement recommendation

Topics include: Factoring polynomials, Solving quadratic, exponential, and logarithmic equations including applications; Evaluating and graphing quadratic, exponential, and logarithmic functions with and without shifts and reflections; Determining and interpreting vertex and x-intercepts of quadratic functions; Simplifying square roots, solving simple radical equations. Successful completion of this course will prepare a student for a non-STEM college-level math course. (MATH&107, MATH 140 MATH& 146, MATH& 171).
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
MATH 93 or higher with a "C" (2.0) or better, ABE 42 with a "B-" (2.7) or better, or appropriate placement recommendation.

This is an applied course in mathematics for industrial fields. Topics include fundamentals of algebra, geometry and basic trigonometry and their applications to industry. Not intended for students planning to transfer to a four-year college.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MATH 92 or higher with a grade of C (2.0) or better or a MATH 98 placement score.

This course is a prerequisite or corequisite for Pre-Calculus I, Math& 141. It is designed to strengthen the mathematical foundation necessary for success in STEM math, specifically Pre-Calculus I, Pre-Calculus II, and Calculus. Emphasis on science related application problems and mathematical modeling throughout the course. Successful completion of this course will prepare students for success in college-level STEM math courses, Math& 141 and beyond.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MATH 99 or higher with a C (2.0) or better, or concurrent enrollment in Math& 141, Math& 142, or Math& 151, or appropriate placement recommendation

Functions in context of business, social science and economics. Applications are emphasized including marginal analysis of cost, profit, revenue; break-even; supply and demand; present and future values of annuities; quantities that grow or decay exponentially; and data analysis to determine and use appropriate linear, polynomial, exponential and quadratic mathematical models.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science, Quantitative Skills
**Prerequisites**
MATH 99 with a grade of "C" or better, or a grade of 3 or higher on the Smarter Balanced exam, or appropriate placement score/criteria.

Students will learn and use mathematical technology to investigate and solve in-depth and real-world problems. The technology and topics will be appropriate for the concurrent math course. Technologies will include Maple, R, Octave, Matlab, Excel, Fathom, and Desmos.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
General Elective
**Prerequisites**
Concurrent Enrollment in one of the following: MATH& 141, MATH& 142, MATH& 146, MATH& 151, MATH& 152, MATH& 153, MATH 211, MATH 238, or MATH& 254

Survey of the essential quantitative ideas and mathematical techniques used in decision making in a diversity of disciplines. Includes systems of equations and matrices, linear programming, finance, probability and its uses. Additional topics may be included. Graphing calculators will be integrated into the course.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science, Quantitative Skills
**Prerequisites**
MATH 140 or MATH&141 with "C" or better, "B" or higher in a high school precalculus or calculus class within the past 3 years, a grade of 4 on the Smarter Balanced exam, appropriate placement score, or instructor approval.

Focuses on matrices, determinants, systems of equations, vector spaces including the four fundamental subspaces, orthogonality, inner product spaces, least square solutions, eigenvalues/eigenvectors, transformation matrices, dynamical systems and diagonalization. Geometrical understanding will be emphasized. Applications in business, computer science and engineering. Introduction to mathematical proofs.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science, Quantitative Skills
**Prerequisites**
MATH& 152 or Instructor Permission

Modeling with and solving of first- and higher-order ordinary differential equations, systems of linear equations, Laplace Transforms and series solutions of linear differential equations. Methods include numerical, qualitative and analytic approaches. The course will include modeling applications in engineering, chemistry and population studies.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science, Quantitative Skills
**Prerequisites**
MATH& 152 or Instructor Permission

# Medical Assistant

Beginning skills for use in the business/medical office, including computers, reception, appointment scheduling, office mail, telephone skills, medical filing, medical coding and insurance forms.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Medical Assistant Program or Instructor Permission

Study of body structure and function of body systems and related disease commonly associated with each system. Diagnostic and laboratory procedures used for diagnoses are discussed throughout the course.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Basic concepts of pharmacology, including basic drug categories and use of most commonly prescribed medications in the medical office. Includes a review of math concepts related to medications, dose calculations, administration principles, injection preparations and site choice, and safety practices associated with medication administration.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Medical Assistant Program or Instructor Permission

Meets requirement of the AIDS Omnibus Bill passed by the Washington state legislature regarding HIV/AIDS education for employees working in a healthcare setting. OSHA's bloodborne pathogens standard concerning universal precautions is emphasized in the healthcare setting as well as with historically marginalized individuals, individuals experiencing homelessness and within substance abuse populations.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective

Introduction to clinical procedures for the medical office, including taking a medical history, exam room preparations, vital signs and measurements, assisting with minor surgery, medical asepsis and infection control, universal precautions for blood and body fluids, principles of rehabilitation and charting.
**Credits** 7.00
**Weekly Contact Hours** 8.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
Acceptance into the Medical Assistant Program or Instructor Permission

Includes integrated computer applications and development of professional written communication skills for use in the medical office, and principles of consumer relations.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Study of workplace legalities, including a basic overview of the legal system and legal and ethical considerations for the medical assistant in the medical office. Topics include medical records, management, medical contracts, concepts of health care reform and workplace responsibilities, including confidentiality, informed consent and patient rights.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective

Develops advanced skill in the use of computer systems for office billing procedures, including established accounts, accounts receivable and accounts payable, payroll inventory control, collections, and purchasing. Explores the basic types of medical insurance, study of claims processing and third-party reimbursement.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MA 110 or Instructor Permission

Covers the principles of nutrition and dietary modifications as a form of treatment. Develop clinical skills in the following areas: care of cardiac patients (including EKGs), pediatrics, reproductive health, GI, pulmonary, ortho, neuro and EENT.
**Credits** 7.00
**Weekly Contact Hours** 8.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Medical Assistant Program or Instructor Permission

General introduction to the medical laboratory and use of the microscope. Topics of study include principles of safe specimen collection, handling and testing, phlebotomy, introduction to microbiology and hematology with special attention given to CLIA waived testing, urinalysis, principles of safe medication administration, and care of the diabetic patient.
**Credits** 7.00
**Weekly Contact Hours** 8.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Medical Assistant Program or Instructor Permission

Application of knowledge and skill in an unpaid experience in a medical office.
**Credits** 8.00
**Weekly Contact Hours** 16.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MA 115 and MA 125 and MA 135

Focus is on the externship experience and transitioning from student to professional medical assistant.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Concurrent Enrollment in MA 260 required

# Medical Laboratory Technology

Many opportunities await those choosing careers in medicine and science. One of the most rewarding is medical laboratory technology. As members of the medical team, technicians work side-by-side with medical laboratory scientists and pathologists and have limited contact with patients. Medical laboratory technicians (MLTs) perform a great variety of scientific laboratory procedures that aid in the detection, diagnosis and treatment of disease, and they perform phlebotomy. This program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) (www.naacls.org, 5600 North River Road, Suite 720, Rosemont, IL 60018. Phone: 773-714-8880).

In addition to employment in medical laboratories, graduates pursue positions in research, industry or veterinary laboratories, and as medical supply and equipment sales specialists.

Introduction to the field of medical laboratory technology with a focus on general topics related to working in clinical laboratories. For students interested in exploring employment opportunities in medical laboratories.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective

Students will learn the theory of phlebotomy and how it relates to the healthcare delivery system, lab safety and infection control, anatomy and physiology, specimen collection and handling, phlebotomy equipment, quality assurance and control, communication and legal issues.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MLT 100

Introduction to the fundamental theories of laboratory practice and safety, including studies in hematology, hemostasis, microbiology, clinical chemistry, serology, blood banking, urinalysis and venipuncture.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MLT Program Acceptance, MLT 102 and concurrent enrollment in MLT 151

Introduction to the fundamental skills and procedures necessary in the clinical laboratory.
**Credits** 3.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MLT Program Acceptance, MLT 102 and concurrent enrollment in MLT 150

Practical on-the-job training in a clinical setting. Rotation through the laboratory departments, practicing test performance under direct supervision of the laboratory's technologists or technicians.
**Credits** 10.00
**Weekly Contact Hours** 20.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MLT Program Acceptance, MLT 102 and concurrent enrollment in MLT 150

In-depth training in the practical and theoretical subjects associated with hematology, hemostasis, immunology, serology and immunohematology.
**Credits** 7.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
BIOL& 242 and concurrent enrollment in MLT 210 and MLT 214

Fundamental practice of clinical hematology, body fluid analysis and immunohematology.
**Credits** 3.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MLT 151 and concurrent enrollment in MLT 213

Practical on-the-job training in a clinical setting. Rotation through the laboratory departments, practicing test performance under direct supervision of the laboratory's technologists or technicians.
**Credits** 10.00
**Weekly Contact Hours** 20.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MLT 210 and concurrent enrollment in MLT 223

In-depth training in the practical and theoretical subjects associated with clinical bacteriology, parasitology, mycology and virology.
**Credits** 7.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
BIOL& 260 and concurrent enrollment in MLT 220 and MLT 224

Fundamental practice of diagnostic medical bacteriology and parasitology.
**Credits** 3.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
BIOL& 260 and concurrent enrollment in MLT 223

Practical on-the-job training in a clinical setting. Rotation through the laboratory departments, practicing test performance under direct supervision of the laboratory's technologists or technicians.
**Credits** 10.00
**Weekly Contact Hours** 20.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MLT 220 and concurrent enrollment in MLT 233

Fundamentals of chemical analysis and urinalysis procedures in the medical laboratory. Emphasis on proper use and care of equipment, safety procedures, recognition of sources of error, and the use of a variety of statistical tools as part of a quality-assurance program.
**Credits** 7.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
CHEM& 131 and BIOL& 242 and concurrent enrollment in MLT 230 and MLT 234

Fundamental practice of clinical chemistry and urinalysis.
**Credits** 3.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
CHEM& 131 and concurrent enrollment in MLT 233

Practical on-the-job training in different departments with some opportunities to return for additional training in those areas where instructors feel it is needed. Rotation through the laboratory departments under direct supervision of the laboratory's technologists or technicians.
**Credits** 10.00
**Weekly Contact Hours** 20.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MLT 230

# Meteorology

The WVC Earth Sciences Department is committed to offering comprehensive courses that promote understanding the Earth and the Universe. Courses range from those designed for the non-science major to Earth Science major transfer students in Geological Sciences, Astronomy, Meteorology, Climatology, and geological or hydrological Environmental Science. The department offers a wide variety of courses designed to meet the general educational, pre-professional and overall academic goals of WVC students.

Study climate and climate change. Determine what controls global climate and individual climate zones on earth. Reconstruct changing climates of the past. Analyze the effects of greenhouse gases and aerosols, human influences on climate, and the effects of Earth's changing climate on humans and other species.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science

Explore Earth's atmosphere and the factors that determine weather, seasons and climate. Practice measuring and forecasting the weather. Learn to read weather maps, identify clouds, and understand the causes and consequences of extreme storms. Includes laboratory.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
MATH 93 or higher

# Music

Introduction to music theory. Emphasis on fundamental concepts, including notation, meter, rhythm, diatonic scales, key signatures, intervals, harmony, ear training, songwriting, and keyboard and fretted instruments.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

College-level private vocal instruction. Primarily for music majors and minors but open to all qualifying students. Instructor lessons fees and accompanist fees (in addition to tuition) apply. Performance at end of term student recital and quarterly jury participation is mandatory. Audition required. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Humanities with Performance

College-level private piano instruction. Primarily for music majors and minors but open to all qualifying students. Instructor lessons fees (in addition to tuition) apply. Performance at end of term student recital and quarterly jury participation is mandatory. Audition required. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Humanities with Performance

College-level private instrument instruction. Primarily for music majors and minors but open to all qualifying students. Instructor lessons fees and accompanist fees (in addition to tuition) apply. Performance at end of term student recital and quarterly jury participation is mandatory. Audition required. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Humanities with Performance

A non-music major humanities course designed to trace the development of jazz from its roots to its contemporary modern styles.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

A non-music major humanities course designed to trace the development of rock musical styles from roots in American pop music, blues and jazz to modern present day rock styles.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Humanities

An introduction and overview to industry music/audio technology. Receive theoretical and practical experience in acoustics, MIDI, digital sequencing, non-destructive digital recording and electronic music publishing.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Introduction to the principles of voice production, vocal literature, techniques and stage presence, including basic preparation for solo performance. Class members may perform in public. Students may incur extra fees for accompanist assistance. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Humanities with Performance

Music reading and keyboard techniques from beginning through intermediate levels. No music background required. Emphasis on note reading, rhythm reading, key signatures, major scales and improvising with primary triads. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Humanities with Performance

An introductory master class that covers the principles of brass instrumental technique, performance and literature. Students will perform in class regularly and must have their own instruments. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective

An introductory master class that covers the principles of woodwind (single reed) instrumental technique, performance and literature. Students will perform in class regularly and must have their own instruments. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective

Choral singing open to all students. No audition required, but preliminary contact with director required for participation. Basic vocal and choral techniques, vocalization, optional public concerts. Literature to include a diversity of styles ranging from classical to contemporary. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Humanities with Performance

A select vocal performance ensemble: the WVC Chamber Choir is a primary recruiting ensemble for the WVC Music Department. Participation will involve numerous performances and varied community outreach activities. Audition required. May be repeated for credit.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Humanities with Performance

A select vocal jazz ensemble that rehearses and performs standard jazz choir repertoire in the style of Manhattan Transfer and New York Voices. Typical ensemble configuration includes a rhythm section and singers on individual microphones. Audition required. May be repeated for credit.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
Concurrent Enrollment in MUS 170 or MUS 270

Traditional Mexican Mariachi music: violin, trumpet, guitar, guitarron, vihuela and voice. Learn traditional techniques and forms including the 'son', ranchera, bolero, huapango and polka. Students will generally provide their own instrument. May be repeated for credit.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Humanities with Performance

Preparation and performance of jazz ensemble literature. Open to all students. The WVC Jazz Ensemble performs several concerts each term. Students are to bring their own instruments. May be repeated for credit.
**Credits** 1.00–2
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Humanities with Performance

Preparation and performance of varied instrumental literature with the Wenatchee Valley Symphony or other professional or semi-professional instrumental ensembles in the greater Wenatchee area. This may include the British Brass Band, the Wenatchee Big Band and others. Students to bring their own instruments. May be repeated for credit.
**Credits** 1.00–2
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Humanities with Performance

Preparation and performance of music for guitar orchestra. Course will focus on developing ensemble, technical and interpretive skills. Students to bring their own instruments. May be repeated for credit.
**Credits** 1.00–2
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Humanities with Performance

College-level private vocal instruction. Primarily for music majors and minors but open to all qualifying students. Instructor lessons fees (in addition to tuition) apply. Fees for accompanists (outside of tuition and course fees are likely to apply). Performance at end of term student recital and quarterly jury participation is mandatory. Audition required. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Humanities with Performance

College-level private piano instruction. Primarily for music majors and minors but open to all qualifying students. Instructor lessons fees (in addition to tuition) apply. Performance at end of term student recital and quarterly jury participation is mandatory. Audition required. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Humanities with Performance

College-level private instrumental instruction. Primarily for music major and minors but open to all qualifying students. Instructor lessons fees (in addition to tuition) apply. Fees for accompanists (outside of tuition and course fees are likely to apply). Performance at end of term student recital and quarterly jury participation is mandatory. Audition required. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Humanities with Performance

Continuation of MUS 125 for those students desiring to learn more advanced playing techniques. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
MUS 125 or Instructor Permission

Choral singing open to all students. No audition required, but contact with the director is required prior to participation. Basic vocal and choral techniques, vocalization, optional public concerts. Literature to include a diversity of styles ranging from classical to contemporary. May be repeated for credit.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Humanities with Performance

A select vocal performance ensemble: Participation will involve numerous performances and varied community outreach activities. Audition required. May be repeated for credit.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Humanities with Performance

A select vocal jazz ensemble that rehearses and performs standard jazz choir repertoire in the style of Manhattan Transfer and New York Voices. Typical ensemble configuration includes a rhythm section and singers on individual microphones. Audition required. May be repeated for credit.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
Concurrrent Enrollment in MUS 170 or MUS 270

Traditional Mexican mariachi music; violin, trumpet, guitar, guitarron, vihuela and voice. Learn traditional techniques and forms including the 'son,' ranchera, bolero, huapango and polka. Students will generally provide their own instrument. May be repeated for credit.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Humanities with Performance

Preparation and performance of jazz ensemble literature. Open to all students. The WVC Jazz Ensemble performs several concerts each term. Students are to bring their own instruments. May be repeated for credit.
**Credits** 1.00–2
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Humanities with Performance

Preparation and performance of varied instrumental literature with the Wenatchee Valley Symphony or other professional or semi-professional instrumental ensembles in the greater Wenatchee area. This may include the British Brass Band, the Wenatchee Big Band and others. Students to bring their own instruments. May be repeated for credit.
**Credits** 1.00–2
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Humanities with Performance

Advanced preparation and performance of music for guitar orchestra. Course will focus on advanced ensemble, technical and interpretive skills. Students to bring their own instruments. May be repeated for credit.
**Credits** 1.00–2
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Humanities with Performance

Humanities option for the music or non-music major. Lectures, readings, recordings, video presentations, guest artists and live concert attendance with emphasis on guiding students to musical understanding and appreciation of the musical styles and forms of western music from the Middle Ages through the 20th century.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Fundamental ear training includes intervals, major and minor scales, triads in root and inverted positions, rhythm reading in simple and compound meter. Sight singing includes simple diatonic major and minor melodies.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
Concurrent enrollment in MUSC& 131

Continuation of MUSC& 121 with emphasis on triad and seventh chord inversions, chord progressions in major and minor modes, recognition of plagal and authentic cadences, melodic dictation in major and minor modes, and more advanced rhythmic reading and dictation in simple and compound meters.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
MUSC& 121 and concurrently enrolled in MUSC& 132

Continuation of MUSC& 122 with emphasis on triads and seventh chords in all inversions. Harmonic dictation to include modulations to near-related keys, nonharmonic tones, secondary dominants, altered chords and augmented sixth chords. Melodic dictation to include chromatic tones; rhythmic dictation to include complex examples in simple, compound and mixed meters.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
MUSC& 122 and concurrently enrolled in MUSC& 133

Develops an understanding of elementary compositional techniques. Emphasis on the structure of tonality, triads in all inversions (doubling and spacing), voice leading, seventh chords, phrase structure and cadences, nonharmonic tones, harmonic progression, and basic techniques of harmonization.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
Concurrent Enrollment with MUSC& 121

Continuation of MUSC& 131 with emphasis on triad and seventh chord inversions, nonharmonic tones and the harmonization of melodies. Student compositions are performed by a lab choir. Further emphasis on analysis techniques.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
MUSC& 131 and concurrent enrollment in MUSC& 122

Continuation of MUSC& 132 with a working knowledge of triads and seventh chords in major and minor modes, nonharmonic tones, and the harmonization of melody. Introduction to chromatic harmony.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
MUSC& 132 and concurrent enrollment in MUSC& 123

The fourth of a six-term course sequence in written and aural music theory: learn to analyze, employ, sing and transcribe chromatic music and intermediate forms.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
MUSC& 123 and MUSC& 133 or equivalent

The fifth of a six-term course sequence in written and aural music theory: learn to analyze, employ, sing and transcribe advanced chromatic music and advanced forms.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
MUSC& 241 or equivalent

The sixth of a six-term course sequence in written and aural music theory: learn to analyze, employ, sing and transcribe advanced chromatic music and advanced forms as well as 20th century techniques.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
MUSC& 242 or equivalent

# Native Languages

Introduction to nselxcin, the language spoken by the Okanogan, Lakes, Colville, San Poil, Nespelem and Methow tribes of the Colville Reservation. Basic pronunciation, the phonetic alphabet and vocabulary will be covered. Gain an awareness of the interconnection of language and culture.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Continuation of NAL 101. Some instruction will be in nselxcin, the language spoken by the Okanogan, Lakes, Colville, San Poil, Nespelem and Methow tribes of the Colville Reservation. Students will increase their ability to correctly pronounce the phonemes of the language, as well as engage in elementary reading, writing and conversation.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
NAL 101 or Instructor Permission

Continuation of NAL 102. Moderate use of nselxcin (the language spoken by the Okanogan, Lakes, Colville, San Poil, Nespelem and Methow tribes of the Colville Reservation) for instruction. Students will further their abilities in the language.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
NAL 102 or Instructor Permission

Introduction to nimipu, the language spoken by the Nez Perce and Palouse tribes of the Colville Reservation. Basic pronunciation, the phonetic alphabet, and elementary grammar and vocabulary will be covered. Students will gain an awareness of the interconnection of language and culture.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Continuation of NAL 111. Some instruction will be in nimipu, the language spoken by the Nez Perce and Palouse tribes of the Colville Reservation. Students will increase their ability to correctly pronounce the phonemes of the language, as well as engage in elementary reading, writing and conversation.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
NAL 111 or Instructor Permission

Continuation of NAL 112. Moderate use of nimipu (the language spoken by the Nez Perce and Palouse tribes of the Colville Reservation) for instruction. Students will further their abilities in the language.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
NAL 112 or Instructor Permission

Introduction to nxa?amxcin, the language spoken by the Moses/Columbia, Wenatchee, Entiat and Chelan tribes of the Colville Reservation. Basic pronunciation, the phonetic alphabet, and elementary grammar and vocabulary will be covered. Students will gain an awareness of the interconnection of language and culture.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Continuation of NAL 121. Some instruction will be in nxa?amxcin, the language spoken by the Moses, Columbia, Wenatchee, Entiat and Chelan tribes of the Colville Reservation. Students will increase their ability to correctly pronounce the phonemes of the language, as well as engage in elementary reading, writing and conversation.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
NAL 121 or Instructor Permission

Continuation of NAL 122. Moderate use of nxa?amxcin (the language spoken by Moses, Columbia, Wenatchee, Entiat and Chelan tribes of the Colville Reservation) for instruction. Students will further their abilities in the language.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
NAL 122 or Instructor Permission

Continuation of NAL 103. Increased use of the nselxcin language for class instruction. Students will deepen their understanding of the interrelationship of language and culture while furthering their skills in the language.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
NAL 103 or Instructor Permission

Continuation of NAL 204. Most instruction is in nselxcin, the language spoken by the Okanogan, Lakes, Colville, San Poil, Nespelem and Methow tribes of the Colville Reservation. Students will gain a larger vocabulary and the ability to carry on impromptu conversations.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
NAL 204 or Instructor Permission

Continuation of NAL 205. Instruction is in nselxcin, the language spoken by the Okanogan, Lakes, Colville, San Poil, Nespelem and Methow tribes of the Colville Reservation. Cultural topics are discussed in depth.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
NAL 205 or Instructor Permission

Continuation of NAL 113. Increased use of one of the nimipu, the language spoken by the Nez Perce and Palouse tribes of the Colville Reservation, for class instruction. Students will deepen their understanding of the interrelationship of language and culture while furthering their skills in the language.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
NAL 113 or Instructor Permission

Continuation of NAL 214. Most instruction is in nimipu, the language spoken by the Nez Perce and Palouse tribes of the Colville Reservation. Students will gain a larger vocabulary and the ability to carry on impromptu conversations.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
NAL 214 or Instructor Permission

Continuation of NAL 215. Instruction is nimipu, the language spoken by the Nez Perce and Palouse tribes of the Colville Reservation. Cultural topics are discussed in depth.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
NAL 215 or Instructor Permission

Continuation of NAL 123. Increased use of the nxa?amxcin, the language spoken by the Moses, Columbia, Wenatchee, Entiat and Chelan tribes of the Colville Reservation, for class instruction. Students will deepen their understanding of the interrelationship of language and culture while furthering their skills in the language.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
NAL 123 or Instructor Permission

Continuation of NAL 224. Most instruction is in nxa?amxcin, the language spoken by the Moses, Columbia, Wenatchee, Entiat and Chelan tribes of the Colville Reservation. Students will gain a larger vocabulary and the ability to carry on impromptu conversations.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
NAL 224 or Instructor Permission

Continuation of NAL 225. Instruction is in nxa?amxcin, the language spoken by the Moses, Columbia, Wenatchee, Entiat and Chelan tribes of the Colville Reservation. Cultural topics are discussed in depth.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
NAL 225 or Instructor Permission

# Natural Resources

Introductory course covering integrative principles of rivers and streams including biological, chemical, ecological, and physical processes. Students will gain an appreciation of streams as constantly evolving ecosystems as well as skills to scientifically analyze data related to river and stream management. Conservation, restoration, policy, and environmental-justice issues are also covered.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab

An overview of fisheries science and management. Topics explored include careers available in fish management and propagation, identification of important northwest fishes, and an introduction to the lesser known and more interesting aspects of fish biology and behavior. Field trips will incorporate standard sampling and survey techniques.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective

Focuses on the identification and inventory of forest natural resources including water, timber, flora, fauna and soils. Also includes study on how the interrelationships of these resources play in landscape ecosystems.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
General Elective

Learn to navigate and read topographic maps, along with learning to use a hand compass, staff compass and aerial photography. Students will learn differential leveling, pacing, traversing, survey mapping, General Land Office survey methods, legal descriptions, bearing/azimuth survey and topographic interpretation-profiling. Transect survey plotting and sampling will be introduced.
**Credits** 3.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective

A panoramic view of ecosystems, current topics, primary organizations and professions in modern natural resources management. Lectures, discussions and extensive field activities survey this diverse industry. Use career assessment and planning tools, such as educational portfolio development, to create a strategy for your professional future.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Students will learn how to apply knowledge of basic algebra, trigonometry, and geometry to field applications in natural resources including land measurement, area determination, estimation, rounding, and calibration/ unit conversion.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
MATH 99 with a grade of "C" (2.0) or better, MATH100, or appropriate placement score.

Introduces Geographical Information Science (GIS) concepts, technology and tools. Topics will include the input, management, manipulation, analysis and display of spatial data. ArcGIS software will be used to visualize real-world issues, discover patterns and communicate spatial information.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Seminar to prepare students for cooperative work experience in natural resources. Explore personal goals for career and related options available such as technician, seasonal, internship, or volunteer opportunities. Students will also develop a basic resume and explore interviewing techniques.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective

Exploration of the symbiotic relationship of forest health and forest ecology. The macro and micro ecosystem of the forest habitat will be explored to show the total inter-dependency of both systems.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective

Intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

This experiential learning course develops essential hands-on field skills crucial for success in natural resources professions. Through practical application in real-world settings, students will learn to perform basic fieldwork tasks independently and collaboratively, select and maintain field equipment, accurately collect and handle data and samples, and apply ecological principles to interpret field observations. A strong emphasis is placed on developing professional fieldwork conduct, including ethical behavior, effective communication, and teamwork.

**Variable credits, lecture and clinical**

| Credits | Lecture hours | Clinical hours | Contact hours week (qtr) |
|---|---|---|---|
| 2 | 1 | 3 | 4 (40) |
| 3 | 1 | 6 | 7 (70) |
| 4 | 1 | 9 | 10 (100) |
| 5 | 1 | 12 | 13 (130) |

**Credits** 2.00–5
**Weekly Contact Hours** 13.00
**Meets Degree Requirements For**
Restricted Elective

Completion of a professional portfolio that demonstrates development as a natural resource professional. The portfolio contains applicable coursework examples, educational experiences, and professional products including a resume, personal statement.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Completion of one year's course work in the natural resource program.

An overview of wildfire with an emphasis on local natural environments. Wildfire is presented in a historical and ecological context, and as a physical force and agent for ecological change. Covers land management, social policy issues, restoration, and habitat resiliency.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective

From personal to global levels, this course uses a systems approach to examine the interaction of social, economic and ecological factors in natural resources management. Identify and explore the consequences of diverse natural resource philosophies and paradigms, and develop skills to direct, mitigate or change human impacts on natural systems. Also offered as GEOG& 200.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
General Elective

Learn to read and use topographic maps, compasses, and aerial photography. Learn differential leveling, pacing, traversing, survey mapping, General Land Office survey methods, legal descriptions, bearing/azimuth survey and topographic interpretation-profiling. Introduction to transect survey plotting and sampling. Students will be trained in and perform transect surveys to determine resource health.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective

Watershed science and management are inherently multidisciplinary and involve a broad array of physical, biological and social sciences. A range of water resource management strategies are examined including structural/nonstructural, regulatory/non-regulatory and prevention/restoration approaches. Case studies and field trips will look at freshwater management issues at the local to national level.
**Credits** 4.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective

Identification of northwest wildlife and associated populations. Identification and habitat improvement through population surveys, forage/browse utilization, population dynamics and carrying capacities. Students will learn wildlife survey procedures and survey the associated conditions of required habitat for both large and small birds/mammals.
**Credits** 4.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective

Covers a variety of forest measurement practices, measuring equipment, product measurement, timber cruising, inventory sampling, growth, site-index, and introduction to GPS 3-P and drone sampling.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective

This course provides a detailed introduction to different silvicultural systems and practices, with an emphasis on the underlying ecological basis of silviculture and systems in the United States, particularly the forest health of the Pacific Northwest.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective

Exploration of a variety of harvest techniques for forest product removal. Cost/benefit analysis, logging plans, wood and other forest products, road layout and construction, best management practices, timber appraisal and contracts.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
NATR 112

Intended to provide authentic experiences in the world of work by applying knowledge and skills learned in the classroom to a working environment.
**Credits** 1.00–5
**Weekly Contact Hours** 25.00
**Meets Degree Requirements For**
Restricted Elective

# Nursing

Introduction to the basic skills and knowledge required for competency as a caregiver in accordance to WAC 246-842-100 for nursing assistants. Includes instruction of personal-care skills, roles and responsibilities of nursing assistants, communication skills, and safe and emergency procedures. Includes seven hours of HIV/AIDS training required by Washington state. Certificate of completion awarded upon successful completion of all components of the class.
**Credits** 10.00
**Weekly Contact Hours** 15.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
NURS 100 CNA Acceptance

An introduction to concepts fundamental to the art and science of nursing. Discussion/application of evidence-based strategies for physical, nutritional, cultural, and psychosocial assessment of clients. Emphasis is placed on the role of the nurse in promoting client safety, and in achieving optimal client outcomes.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to the Nursing Program and concurrent enrollment with the following: NURS 121, NURS 141, NURS 151, NURS 161, PHIL 105, NUTR 105, PSYC 105, PHARM 101

The second of two nursing fundamentals courses. Continued discussion and application of fundamental nursing concepts, focusing on the role of the nurse in promoting health and wellness.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program. Concurrent enrollment in NURS 122, NURS 152, NURS 162, NUTR 106, and PSYC 202.

This course is the first in a series of four health and illness concept courses. In this course, students will apply health and illness concepts to the care of patients with acute and chronic conditions.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the WVC Nursing Program.

This course introduces the student to knowledge, skills, and attitudes needed to practice nursing as a profession.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NUTR 105, PHARM 101, PSYC 105, PHIL 105, NURS 101, 141, 151, and 161.

This course focuses on the nurse's role in providing person-centered care across the lifespan.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program. Concurrent enrollment in NURS 102, NURS 152, NURS 162, NUTR 106, and PSYC 202.

In this course, students will explore holistic nursing care of the childbearing family, the newborn, the infant, and reproduction.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the WVC Nursing Program.

This course introduces the nursing student to the application of concepts through the development of clinical skills in the laboratory setting. Students will participate in supervised practice, and skills competency validation.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in PHARM 101, NUTR 105, PSYC 105, PHIL 105, NURS 101, 121, 151 and 161.

An introduction to concepts fundamental to the art and science of nursing. Discussion and application of evidence-based strategies for physical, nutritional, cultural, and psychosocial assessment of clients. Emphasis is placed on the role of the nurse in promoting client safety, and in achieving optimal client outcomes.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NUTR 105, PHARM 101, PSYC 105, PHIL 105, NURS 101, 121, 141, and 161.

In this course, students will incorporate knowledge of fundamental nursing concepts while providing evidence-based, person-centered care, in the acute-care setting.
**Credits** 4.00
**Weekly Contact Hours** 8.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program. Concurrent enrollment in NURS 102, NURS 122, NURS 162, NUTR 106, and PSYC 202

In this course, students will incorporate knowledge of fundamental nursing concepts while providing evidence-based, person-centered care, in the acute-care and/or community-based setting.
**Credits** 4.00
**Weekly Contact Hours** 8.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the WVC Nursing Program.

In this course, students will apply fundamental nursing concepts when providing simulated, person-centered care across the lifespan.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in PHARM 101, NUTR 105, PSYC 105, PHIL 105, NURS 101, 121, 141, and 151.

In this course, students will apply fundamental nursing concepts, and provide developmentally appropriate care for patients in the simulated environment.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program. Concurrent enrollment in NURS 102, NURS 122, NURS 152, NUTR 106, AND PSYC 202.

In this course, students will apply health and illness and reproductive concepts to the care of patients and family members in the simulated environment.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the WVC Nursing Program.

This course is the second in a series of four health and illness courses. In this course, students will apply health and illness concepts to the care of patients with acute and chronic conditions.

By permission only.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 231, NURS 241, NURS 251, NURS 261, PSYC 203, NUTR 202, PHIL 201.

This course is the third in a series of four health and illness courses. In this course, students will apply health and illness concepts to the care of patients with acute and chronic conditions.

By permission only.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 222, NURS 252, NURS 262, PHIL 202

This course is the final course in a series of health and illness courses. In this course students will apply advanced health and illness concepts.

By permission only.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 223, NURS 253, NURS 263, PHIL 203

In this course, students will discuss the roles and responsibilities of the professional nurse and the transition to the registered nurse role.

By permission only.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 202, NURS 252, NURS 262, PHIL 202

In this course, students will further develop test taking strategies to work toward NCLEX-RN® success. Emphasis will be placed on the continued development of clinical judgement.

By permission only.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in Acceptance into WVC Nursing Program with concurrent enrollment in NURS 203, NURS 253, NURS 263, PHIL 203

In this course, students will explore fundamental concepts related to community health and/or community-based nursing care.

By permission only.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in Acceptance into WVC Nursing Program with concurrent enrollment in NURS 201, NURS 241, NURS 251, NURS 261, PSYC 203, NUTR 202, PHIL 201

This course focuses on the clinical application of advanced nursing concepts and skills in the nursing skills lab.

By permission only.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 201, NURS 231, NURS 251, 261, PSYC 203, NUTR 202, PHIL 201

Clinical experiences in a variety of healthcare settings and with increasing complexity and numbers of clients. Clinical experience and simulation activities will allow students to integrate and apply concepts from this and previous nursing courses. Includes an acute mental-health rotation/experience. Formerly NURS 201L.
**Credits** 6.00
**Weekly Contact Hours** 12.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to the Nursing Program and concurrent enrollment with the following: NURS 201, NURS 251, PHIL 201, PSYC 202

In this course, students will apply nursing health and illness concepts to the care of patients and family members in the acute care setting.

By permission only.
**Credits** 4.00
**Weekly Contact Hours** 8.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 202, NURS 222, NURS 262, PHIL 202

In this course students will provide care for a broad spectrum of patients in a variety of healthcare settings. Students will have the opportunity to participate in a senior practicum experience, where they will refine their nursing practice.

By permission only.
**Credits** 5.00
**Weekly Contact Hours** 10.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 203, NURS 223, NURS 263, PHIL 203

In this course, students will apply health and illness, health promotion, and mental health concepts to the care of patients in the simulated environment.

By permission only.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 201, NURS 231, NURS 241, NURS 251, NUTR 202, PHIL 201, PSYC 203

In this course, students will apply health and illness and professional nursing concepts to the care of patients and family members in the simulated environment.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 202, NURS 222, NURS 252, PHIL 202

In this course, students will apply complex health and illness concepts in the simulated environment.

By permission only.
**Credits** 1.00
**Weekly Contact Hours** 20.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 203, NURS 223, NURS 253, PHIL 203

An introduction to the concept of nutrition, as it relates to health and well-being.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Natural Science
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in PHARM 101, PSYC 105, PHIL 105, NURS 101, 121, 141, 151 and 161.

In this course, students will explore the importance of nutrition, as it relates to the health and well-being of patients across the lifespan.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Natural Science
**Prerequisites**
Acceptance into the WVC Nursing Program. Concurrent enrollment in NURS 102, NURS 122, NURS 152, NURS 162, and PSYC 202.

In this course, students will explore the role of nutrition in the prenatal and perinatal periods. Students will also explore nutritional needs of the newborn and infant.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Natural Science
**Prerequisites**
Acceptance into the Nursing Program.

In this course, students will explore nutrition as it relates to patients with acute and/or chronic health conditions.

By permission only.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Natural Science
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 201, NURS 231, NURS 241, NURS 251, NURS 261, PHIL 201, PSYC 203

In this course, students will apply the nursing concept of nutrition to patients with acute and/or chronic health conditions.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Natural Science
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 202, NURS 222, NURS 252, NURS 262, and PHIL 202

This course introduces the student to pharmacology. Pharmacologic concepts included in this course are pharmacokinetics, routes of administration, dosage calculation, therapeutic effects, side and adverse effects, interactions, contraindications, and principles of safe medication administration.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NUTR 105, PSYC 105, PHIL 105, NURS 101, 121, 141, 151 and 161.

Pharmacodynamics, pharmacokinetics and pharmacotherapeutics of drugs. This course discusses safety concerns related to scope of practice, accurate dosage calculations, medication administration and monitoring, route of administration, as well as special considerations across the lifespan in prevention and treatment of chronic illness.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to the Nursing Program and concurrent enrollment with the following: NURS 102, NURS 152, NUTR 106, PHARM 102

Pharmacodynamics, pharmacokinetics and pharmacotherapeutics of medications used to treat chronic health problems and infections. This course discusses the safety concerns related to scope of practice, accurate dosage calculations, medication administration and monitoring, and route of administration, with a focus on use of the intravenous route.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to Nursing Program

An introduction to ethical and legal issues and policies relevant to health care.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in PHARM 101, PSYC 105, NUTR 105, NURS 101, 121, 141, 151, and 161.

In this course, students will discuss ethical and healthcare policy related issues relevant to community health nursing.

By permission only.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 201, NURS 231, NURS 241, 251, 261, NUTR 202, PSYC 203

In this course, students will apply professional nursing concepts to their individual nursing practice. Students will also evaluate how to integrate healthcare ethics and policy into professional nursing practice.

By permission only.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 202, NURS 222, NURS 252, NURS 262

Explores the role of ethical evaluation in the context of the healthcare profession.

By permission only.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 203, NURS 223, NURS 253, NURS 263

An introduction to psychosocial issues in healthcare.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Social Science
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NUTR 105, PHARM 101, PHIL 105, NURS 101, 121, 141, 151 and 161.

In this course, students will explore nursing care of patients related to psychosocial issues, across the lifespan.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Social Science
**Prerequisites**
Acceptance into WVC Nursing Program. Concurrent enrollment in NURS 102, NURS 122, NURS 152, NURS 162, and NUTR 106.

In this course, students will explore nursing concepts that focus on the care of patients with acute or chronic psychiatric-mental health needs.

By permission only.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Social Science
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 201, NURS 231, NURS 241, NURS 251, NURS 261, NUTR 202 and PHIL 201.

Examines psychosocial health, and determinants of health and illness across the lifespan. This course is taught in an integrated format with NURS 203.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Social Science
**Prerequisites**
Acceptance to Nursing Program

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**Credits** 10.00–2
**Weekly Contact Hours** 4.99
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
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# Nursing BSN

A study of the art, history, philosophy and literature that explores the portrayal, values and professional and ethical identity of nurses and midwives, emphasizing the study of works that have had significant influence on the nursing profession.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

This course refines the process of planning, writing, revising and editing essays. Professional writing using APA format will be covered. Other topics include use of print and electronic sources, note taking, credibility, fact and opinion, logic, avoidance of plagiarism and documentation.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to a BSN pathway program.

The course is designed to introduce the student to care delivery using the nursing process. Students will examine the nursing attributes and roles of a registered nurse. There will be application of concepts and technical skills in the laboratory setting. Learning experiences are directed toward nursing care of individuals experiencing alterations in health as well as promoting health and wellness.
**Credits** 3.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective

In this course students will explore nursing care of the patient experiencing acute or chronic health problems. Safe, evidence-based, patient-centered nursing care will be applied to health concepts in protection and movement. Concepts will be explored through defining holistic nursing care of exemplar diseases.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Nursing care of the patient experiencing acute or chronic health problems. Safe, evidence-based, patient-centered nursing care will be applied to health concepts in homeostasis and metabolic and hormonal regulation. Concepts will be explored through defining holistic nursing care of exemplar diseases.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Examines professional issues for transition into the baccalaureate nursing role. Further develop professional core values associated with being a caring and ethical professional nurse. Emphasis on ethics, patient safety, interdisciplinary team coordination and collaboration, quality care, nursing leadership and health promotion while analyzing key issues within the healthcare system.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to the RN to BSN program.

Explores health information and informatics concepts encountered in healthcare settings. Course content includes healthcare information technology, concepts, terminology, and key health information systems and technology. Students will evaluate health information systems and their roles in patient safety, safe medication administration, maintaining patient privacy, data security and efficacy of healthcare processes.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to a BSN pathway program.

Examines the essential elements of, and process for, evidence-based practice in nursing and healthcare. Students will learn how to access, appraise, and utilize both quantitative and qualitative research and other sources of evidence to make informed clinical decisions that improve patient safety and quality of care.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to a BSN pathway program.

In-depth study of local, state, and national policies affecting the health of populations. Emphasis on regulatory and legislative issues related to the nursing profession. Examine the nurse's role in the legislative and political process.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to a BSN pathway program.

Examines and applies theories of organizational behavior, systems thinking, and leadership to quality improvement strategies that minimize errors and optimize positive clinical outcomes. Participation in selected patient safety and quality improvement initiatives provide opportunity to apply and evaluate the relevance of theoretical concepts to real world healthcare challenges.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to BSN pathway program.

Focuses on assessing patient's (individuals, families, and communities) health status utilizing a holistic approach that integrates pathophysiology, pharmacology, and complete health history. This includes physical, psychosocial, and cultural dimensions, therapeutic interview skills, and performing a comprehensive physical exam. Practicum/clinical components will emphasize health promotion, disease prevention and linkage.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to RN to BSN Program

This course covers the principles of transcultural and culturally competent nursing. Students explore how culture impacts health and health care, assess how their own cultural experiences shape who they are, and evaluate the impact of healthcare core values on the provision of nursing care.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to a BSN pathway program.

This simulation course will give students the opportunity to demonstrate and apply nursing skills and clinical judgment to scenarios in nursing related to patients across the life span experiencing commonly occurring health problems. This course is taken concurrently with NURS 303.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective

This clinical course will focus on the delivery of nursing care and application of the nursing process in clinical facilities in North Central Washington. Emphasis on intermediate nursing skills, medication administration, communication and professional collaboration will be emphasized.
**Credits** 6.00
**Weekly Contact Hours** 12.00
**Meets Degree Requirements For**
Restricted Elective

In this course, nursing care of the perinatal and infant patient experiencing wellness and/or acute and chronic conditions will be covered, building on previous knowledge. Safe, evidence-based, patient-centered care will be applied to concepts related to reproductive health and sexuality throughout the lifespan.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Building upon previous knowledge of homoeostasis and regulation, the student will discuss safe, evidence-based, patient-centered nursing care of the patient experiencing acute or chronic health problems. Concepts will be explored through defining holistic nursing care of exemplar diseases affecting homeostasis and regulation.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

This course will focus on evidence-based care for patients with psychiatric/mental health disorders, including cultural, ethical and legal influences as well as wellness of individuals and families. Treatment modalities related to psychopathology will be explored. The nurse's role in advocacy, care coordination, collaboration with the healthcare team, and therapeutic communication will be covered.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective

This is the culminating course applying nursing concepts to multi-systems disease processes. The student will discuss safe, evidence-based, patient-centered nursing care of the patient experiencing complex acute or chronic health problems. Nursing students will identify the role of the nurse as an advocate, educator, and leader within the health care team by ensuring care coordination and individualized holistic care of patients and their families.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance in LPN to BSN Pathway

This simulation course will give students the opportunity to demonstrate and apply nursing skills and clinical judgment to scenarios in nursing scenarios related to commonly occurring and complex health problems. This course is taken concurrently with NURS 403.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective

Explores health information and informatics concepts encountered in healthcare settings. Course content includes healthcare information technology, concepts, terminology, and key health information systems and technology. Students will evaluate health information systems and their roles in patient safety, safe medication administration, maintaining patient privacy, data security, and efficacy of healthcare processes.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to a BSN pathway program.

This simulation and theory course will give students the opportunity to demonstrate and apply nursing skills and clinical judgment to scenarios in perinatal and infant health and psychological and mental health. This course is taken concurrently with NURS 402 and NURS 404.
**Credits** 3.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Focuses on the role of the nurse in community, rural, and public health settings. Using an evidence-based and social-justice framework, students explore epidemiology, community assessment, health promotion, and disease prevention for aggregate populations while synthesizing theory, population research, and practice on a local to global scale.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to a BSN pathway program.

Provides practicum/clinical experience in community and public health nursing, focusing on the application of public health and nursing principles in a variety of community and healthcare settings.
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance to a BSN pathway program.

This course focuses on the professional identity of a BSN-prepared RN, professional development, roles, and nursing leadership. Other topics include measures to obtain and maintain licensure and preparation for taking the NCLEX - RN licensure exam.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective

This course focuses on the synthesis of professional nursing concepts. Through clinical immersion in a selected area of practice, students will work in a variety of acute care settings, as they transition into the role of a registered nurse. Students will collaborate with the healthcare team to provide compassionate and holistic care while prioritizing safe patient and organizational outcomes.
**Credits** 4.00
**Weekly Contact Hours** 8.00
**Meets Degree Requirements For**
Restricted Elective

Students enrolled in this course will develop personal professional portfolios, designed to illustrate the student's academic achievements during the BSN program. Collaborative problem solving and leadership skills will be utilized when working with community partners. This capstone experience will culminate in the dissemination of scholarly research through an end-of-quarter poster presentation.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
NURS 430 and NURS 450; Acceptance to a BSN pathway program.

# Nutrition

An introduction to human nutrition with emphasis on metabolism, health, and the science of nutrition in the context of human form and function. Current issues in food safety and fad diets will be considered.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science

An introduction to the concept of nutrition, as it relates to health and well-being.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Natural Science
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in PHARM 101, PSYC 105, PHIL 105, NURS 101, 121, 141, 151 and 161.

In this course, students will explore the importance of nutrition, as it relates to the health and well-being of patients across the lifespan.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Natural Science
**Prerequisites**
Acceptance into the WVC Nursing Program. Concurrent enrollment in NURS 102, NURS 122, NURS 152, NURS 162, and PSYC 202.

In this course, students will explore the role of nutrition in the prenatal and perinatal periods. Students will also explore nutritional needs of the newborn and infant.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Natural Science
**Prerequisites**
Acceptance into the Nursing Program.

In this course, students will explore nutrition as it relates to patients with acute and/or chronic health conditions.

By permission only.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Natural Science
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 201, NURS 231, NURS 241, NURS 251, NURS 261, PHIL 201, PSYC 203

In this course, students will apply the nursing concept of nutrition to patients with acute and/or chronic health conditions.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Natural Science
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 202, NURS 222, NURS 252, NURS 262, and PHIL 202

# Occupational Education

A survey of practical skills in how to survive, thrive and be a success on the job. Topics include responsible work habits employers value, how to get along with co-workers and supervisors, critical thinking and problem solving in the workplace, knowing yourself, setting goals and getting ahead.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.

Introduces reading skills needed in the technical workplace with emphasis on strategies using context clues, word elements, identifying main ideas and supports, understanding and reading graphs, diagrams and charts and outlining.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
Appropriate assessment scores or at least a "C" (2.0) grade in ENGL 092 or READ 92.

Introduces writing skills needed in the workplace with emphasis in technical writing. Practice specific skills as a single effort and a collaborative effort both in and out of class.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
COMPASS placement into ENGL 97 or a minimum grade of "C" (2.0) in ENGL 90 as determined by placement testing. Keyboarding skills recommended.

Course covers 'Hazardous Material Awareness' and safety procedures in industrial facilities such as mills, smelters, power plants and packing facilities. First aid, CPR, forklift, OSHA-10, Hazmat and flagger certifications will be awarded to successful students. Proper fire extinguishing techniques, MSDS, Lock-out Tag-out procedures, chemical safety, PPE and accident reporting are embedded.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

# Oceanography

The WVC Oceanography Department is committed to offering an introductory course covering the geological, physical, chemical, biological and environmental processes that occur in the oceans. Among the vital topics addressed are the historical perspectives of oceanography, the intertidal zones, plate tectonics, islands, plankton and nekton, marine mammals and pollution.

Investigation of the marine environment covering the geological, physical, chemical, biological and environmental processes which occur in the ocean. Topics include perspectives of oceanography, the intertidal zones, plate tectonics, islands, plankton and nekton, marine mammals, and pollution.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science

# Pharmacy Technician

This course provides an introductory instructional learning of duties and responsibilities of a pharmacy technician. Students review pharmacy law as it pertains to the practice of pharmacy in the state of Washington and federal regulations.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Pharmacy Technician Program or Instructor Permission

Students are introduced to the application of basic math skills to real-life scenarios in pharmacy technician career fields. Students review basic skills and complete dosage calculations for IVs, tablets, liquids and injectables. Students learn to additional calculations use for body surface area, chemotherapy and pediatric dosing.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Pharmacy Technician Program or Instructor Permission

Students will learn about non-prescription medications, dietary supplements, and other self-care remedies available to treat many different medical conditions. This course will help gain a better understanding of how non-prescription and self-care products can be used safely and effectively.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Pharmacy Technician Program or Instructor Permission

Introduces the study of the properties, effects and therapeutic value of the primary agents in the major drug categories. Upon completion, students should be able to place major drugs into correct therapeutic categories and identify indications, side effects and trade and generic medication names.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Pharmacy Technician Program or Instructor Permission

Providing continuation of the study of properties, effects and therapeutic value of the primary agents in the major drug categories. Upon completion, students should be able to place major drugs in correct therapeutic categories and identify indications, side effects and trade and generic names.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Pharmacy Technician Program or Instructor Permission

Students develop proficiency in the skills necessary for successful compounding technique and practice. Students are introduced to the United States Pharmacopeia's General Chapter Pharmaceutical Compounding-Non-Sterile Preparations <795> and Sterile Preparations <797>. Student will have simulated lab experience that applies pharmaceutical preparation compounding guidelines. United States Pharmacopeia (USP) Guidelines and Washington Administrative Code (WAC) regulations governing the practice of compounding are emphasized.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Pharmacy Technician Program or Instructor Permission

This course is a continuation of PHARM 150. Students will demonstrate compliance with fundamental aseptic technique requirements following sterile preparations of USP <797> guidelines.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Pharmacy Technician Program or Instructor Permission

This course simulates daily activities in pharmaceutical practice settings. Topics include: order entry processes, medication distribution systems, inventory, prescription processing, billing, repackaging, floor stock and controlled substance distribution, pharmaceutical computer systems, utilization of drug information resources, and proper communication techniques.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Pharmacy Technician Program or Instructor Permission

Application of knowledge and skills in an unpaid experience in a hospital pharmacy setting.
**Credits** 4.00
**Weekly Contact Hours** 8.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Pharmacy Technician Program or Instructor Permission

Application of knowledge and skills in an unpaid experience in a community pharmacy setting.
**Credits** 3.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Pharmacy Technician Program or Instructor Permission

Application of knowledge and skills in an unpaid experience in specialty pharmacy setting.
**Credits** 3.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Pharmacy Technician Program or Instructor Permission

This course will empower students to enter the workforce through self-reflection and job readiness.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Pharmacy Technician Program or Instructor Permission

This conclusion course will help prepare students to succeed on the PTCE and enter into the workforce. Course includes Pharmacy calculation review, law and case study as well updates to pharmacy practice.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance into the Pharmacy Technician Program or Instructor Permission

# Philosophy

The philosophy department is committed to offering a full range of courses, which will introduce students to multiple branches and disciplines in the field.

Introduction to the various branches of philosophy, including metaphysics, the theory of knowledge and ethics through a survey of the history of Western philosophy.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

A non-symbolic approach to logic and critical thinking focusing on the principles of reasoning and the criteria for validity. Case studies in government, health, education and business, with an emphasis on real-life examples. Principles of argumentation in discourse as seen through the critique of sample arguments and analysis of informal fallacies.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Introduces students to the structure and evaluation of deductive arguments. The core of this course is sentence logic with proofs and predicate logic with quantifiers and proofs. Will learn to translate natural language into symbolic notation and test for validity using natural deduction.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities, Quantitative Skills
**Prerequisites**
MATH 99 with a grade of "C" (2.0) or better or a grade of 3 or higher on the Smarter Balanced exam or appropriate placement score

An introduction to ethical and legal issues and policies relevant to health care.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in PHARM 101, PSYC 105, NUTR 105, NURS 101, 121, 141, 151, and 161.

In this course, students will discuss ethical and healthcare policy related issues relevant to community health nursing.

By permission only.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 201, NURS 231, NURS 241, 251, 261, NUTR 202, PSYC 203

In this course, students will apply professional nursing concepts to their individual nursing practice. Students will also evaluate how to integrate healthcare ethics and policy into professional nursing practice.

By permission only.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 202, NURS 222, NURS 252, NURS 262

Explores the role of ethical evaluation in the context of the healthcare profession.

By permission only.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 203, NURS 223, NURS 253, NURS 263

Philosophical examination of religion, especially of the theistic worldview. Topics include the nature and knowledge of God, faith and reason, religious knowledge, life after death, miracles, and the problem of evil.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Survey of the history of philosophical ethics, including teleological and deontological theories, as well as their application to ethical issues.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Survey of major world religions of both Western and Eastern traditions. Other religions are considered as time permits.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

# Physics

The WVC Physics Department is committed to offering comprehensive courses that promote understanding of matter and energy in all their forms. Courses range from those designed for the non-science major to pre-engineering prerequisites and science major transfer students. The department offers a variety of courses designed to meet the general educational, preprofessional and overall academic goals of WVC students.

Physics for nonscience majors. Study of the basic fundamentals of physics, including mechanics, heat, light, sound, electricity, magnetism and modern physics.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Natural Science

Study of the fundamental principles and applications of mechanics, including vectors, static equilibrium, linear and rotational motion, Newton's laws, work, energy, and momentum. Includes laboratory. This course is also strongly recommended for students who will be taking Engineering Physics but have not had a prior physics class. Recommended Preparation: High-school level right triangle trigonometry.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
MATH 99 or equivalent or Instructor Permission

Study of the basic principles and applications of fluids, harmonic motion and waves, thermodynamics, and geometric optics. Includes laboratory.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
PHYS& 114 or equivalent or Instructor Permission

Study of the basic principles and applications of electricity and magnetism and an introduction to modern physics. Includes laboratory.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
PHYS& 114 or equivalent or Instructor Permission

The study of kinematics, statics, rotational motion and collisions. Topics include one- and two-dimensional motion for point masses and rigid bodies, conservation laws for momentum and energy, and equilibrium conditions. Laboratory included.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
One year high school physics, MATH&151 or concurrent enrollment.

The study of simple harmonic motion, waves, temperature and heat. Topics include the Ideal Gas Laws, the Laws of Thermodynamics, and thermodynamic systems. Electrostatics through Gauss' law covered. Laboratory included.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
One year high school physics, PHYS&221, MATH&152 or concurrent enrollment.

The study of electrical and magnetic phenomena, starting with electric potential and continuing into optics and quantum mechanics. Topics include electrostatics, magnetostatics, DC and AC circuit theory, and geometric ray optics. Laboratory included. Concurrent enrollment in MATH 153 is recommended for the major that requires both courses.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
One year of high school physics, PHYS& 222

# Political Science

Theory, principles, organization, and functions of political Institutions, such as legislatives, executives, and judiciaries will be examined. The comparative approach to democratic and non-democratic systems and their institutions (Executive, Legislative, and Judicial) will be utilized extensively. Emphasis on political cultures and national characters such as classical conservatism and liberalism, fascism, totalitarianism, authoritarianism, and religions, etc.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

Focus is given to the system, process, and organizational functions of the American government. It also puts primary attention on the relationships between citizens and their national government by exploring the key theoretical precepts that shaped the Constitution and its federal structural arrangements. Close attention is paid to the policy making process and its key actors, as well as various public policies.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

Critically explore actors in international politics: individuals, states, and organizations. Investigate the impacts of colonialism and imperialism on ethnic/religious conflicts, extreme poverty, slave labor, and violence against women in the Global South. Examine key political theories of international relations: Marxism, Realism, Liberalism, and Feminism.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

Examines global issues: migration, climate change, globalization, violence, armaments. Depending on the global situation, the course will focus on different topics without focusing on specific regions/countries, but on their broad consequences to the international community and their impacts on societies around the world such as environment, conflicts, nationalism, and migration.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

Close examination of people and institutions that shape policies as well as their outcomes in state and local communities. Local and state politics will be discussed and contextualized within the federal distribution of powers delineated by Constitution of the United States.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

The course will explore how Latin America's historical geopolitical condition is used to expand and assert global power by the United States. It will discuss the challenges Latin America finds in making policies without interference by the U.S. while looking for opportunities to change that reality in a new multi-polar world.
**Credits** 5.00–5
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

# Psychology

Offers an overview of psychology as a scientific study. Theories and research findings concerning many major branches of psychology will be examined. Application of psychology concepts to school, family, work and other life settings will be taught and discussed. Critical thinking about psychology concepts will be emphasized.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

An examination of the developmental changes occurring throughout the entire life span from conception to death. The various domains of development including physical, cognitive, social and emotional are studied. Several major theoretical approaches and important modern developments and applications are covered.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science
**Prerequisites**
PSYC& 100

Introduction to psychopathology and abnormal behavior. Theories, major diagnostic categories, issues and ethics in diagnosis and treatment will be emphasized. Cultural influences and access to resources are also discussed.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science
**Prerequisites**
PSYC& 100

A study of psychological adjustment, personal growth and personality. These factors are examined from various psychological orientations with applications and insight into one's own life, relationships and environmental situations. This course is not to be used in place of formal counseling. This course will not serve as a prerequisite for more advanced psychology courses.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

An introduction to psychosocial issues in healthcare.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Social Science
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NUTR 105, PHARM 101, PHIL 105, NURS 101, 121, 141, 151 and 161.

In this course, students will explore nursing care of patients related to psychosocial issues, across the lifespan.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Social Science
**Prerequisites**
Acceptance into WVC Nursing Program. Concurrent enrollment in NURS 102, NURS 122, NURS 152, NURS 162, and NUTR 106.

In this course, students will explore nursing concepts that focus on the care of patients with acute or chronic psychiatric-mental health needs.

By permission only.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Social Science
**Prerequisites**
Acceptance into WVC Nursing Program with concurrent enrollment in NURS 201, NURS 231, NURS 241, NURS 251, NURS 261, NUTR 202 and PHIL 201.

Examines psychosocial health, and determinants of health and illness across the lifespan. This course is taught in an integrated format with NURS 203.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Social Science
**Prerequisites**
Acceptance to Nursing Program

This course examines human sexuality from the psychological, biological, sociocultural and historical perspectives. Students will be encouraged to become aware of their own sexual attitudes, values and behaviors. By the end of the course, students will be able to communicate about sexuality with a greater degree of effectiveness.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science
**Prerequisites**
PSYC& 100

Examines the major psychology theories related to sport. A broad overview of topics including the history of sports psychology, personality and motivation, leadership, gender and cultural issues, team dynamics and psychological skills training will be covered. Current topics and issues relevant to sport psychology will be explored.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

This course is a theoretical and practical study of social psychology including social cognition, social influence and social relations. Small groups, mass media, advertising, propaganda, the role of nature and nurture, cognition, discrimination/prejudice, persuasion, conformity, obedience, aggression, and attraction are among the topics considered. Small-group experiences included.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

# Radiologic Technology

An orientation to the WVC Radiologic Technology program, history of historical events in radiology, the radiographer's role in the health care team, organization of the radiology department and hospital, elements of ethical behavior and medicolegal considerations, professional organizations and regulatory agencies.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance in RadTech Program

Supplemental laboratory practice designed to reinforce theoretical principles and integrate hands on practice and radiologic technology knowledge. Skills are developed to improve performance and gain the competency required for entry into the clinical experience phase of the radiologic technology program.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance in RadTech Program

Supplemental laboratory practice designed to reinforce theoretical principles and integrate hands-on practice and radiologic technology knowledge. Skills are developed to improve performance and gain the competency required for entry into the clinical experience phase of the radiologic technology program.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance in RadTech Program

Supplemental laboratory practice designed to reinforce theoretical principles and integrate hands-on practice and radiologic technology knowledge. Skills are developed to improve performance and gain the competency required for entry into the clinical experience phase of the radiologic technology program.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance in RadTech Program

An overview to the application of radiation physics; to include basic atomic structure, the nature of radiation, x-ray production and interaction of x-ray photons with matter. An introduction to mathematics for radiology, radiation quantities and units of measure, imaging equipment: x-ray circuitry, generators and x-ray tubes.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance in RadTech Program

An introduction to the basics of radiation protection and an orientation to radiographic equipment, laboratory and facility safety. A detailed analysis of principles related to radiographic image formation and acquisition. Image evaluation and laboratory experiments reinforce theoretical principles.
**Credits** 3.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance in RadTech Program

A continuation of RADT 121 and analysis of digital imaging principles, PACS, image critique methods, brightness, contrast, spatial resolution and distortion. An introduction to quality assurance, quality control and maintenance issues related to the equipment. Image evaluation and laboratory exercises reinforce theoretical principles.
**Credits** 3.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
RADT 111 and RADT 121

A continuation of RADT 122 and analysis of permanent radiographic equipment, AEC, fluoroscopy, mobile equipment and systems of technique formation. Continued discussion of the quality management process, quality control and associated government and accreditation standards. Image evaluation and laboratory exercises reinforce theoretical principles presented in lecture.
**Credits** 3.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
RADT 122

An introduction to positioning terminology and the fundamental theory, principles and practices regarding radiographic examinations of the upper and lower extremities and shoulder girdle. Experience is gained via positioning lecture and in the energized lab. Practical competency assessments reinforce principles learned in lecture.
**Credits** 6.00
**Weekly Contact Hours** 10.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance in RadTech Program

A continuation of RADT 131: to include radiographic examinations of the hip, pelvis and spine. Experience is gained in the energized lab and practical competency assessments reinforce principles learned in lecture.
**Credits** 6.00
**Weekly Contact Hours** 10.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance in RadTech Program

A continuation of RADT 132: to include radiographic and/or fluoroscopic examinations of the chest, bony thorax, skull, sinus, facial bones, abdomen and digestive system. Experience is gained in the energized lab and practical competency assessments reinforce principles learned in lecture.
**Credits** 6.00
**Weekly Contact Hours** 10.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance in RadTech Program

Image critique and introduction to clinical handbook. Introduction to special views of the upper and lower extremities, spine, pelvis, chest, bony thorax, cranium, abdomen, situations of trauma, mobile, pediatric and geriatric populations. Experience is gained in the energized laboratory; competency assessments reinforce principles learned. Supplemental laboratory practice designed to reinforce theoretical principles and integrate hands on practice and radiologic technology knowledge
**Credits** 6.00
**Weekly Contact Hours** 10.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Acceptance in RadTech Program

An overview of principles of the interaction of radiation with living systems, radiation effects on living systems and factors affecting biologic response; responsibilities of the radiographer regarding principles of radiation protection for the radiographer, patient and public; radiation health and safety recommendations and requirements of federal and state agencies.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
RADT 111 and RADT 121

A basic overview of the advanced imaging areas to include, but not limited to, vascular/cardiac/interventional radiography, computed tomography, nuclear medicine, magnetic resonance imaging, ultrasonography, mammography, bone densitometry and radiation therapy.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
RADT 111 and RADT 121

Basic concepts and procedures of patient care, including consideration for the cultural, physical and psychological needs of various patient ages, and their families. Routine and emergency patient care procedures and application of Standard Precautions. Basic concepts of pharmacology, basic theory and practice of venipuncture and administration of diagnostic contrast agents.
**Credits** 4.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
RADT 121 and RADT 131

An introduction to the theory, principles, equipment, contrast media, accessories and practices regarding special radiographic examinations to include but not limited to: surgical, mobile, CNS, GI, urinary, musculoskeletal, circulatory, respiratory, biliary, reproductive and salivary systems.
**Credits** 3.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
RADT 133 and RADT 152

Under direct supervision at a clinical education setting affiliated with Wenatchee Valley College, the student will obtain orientation to a radiographic department, observe and participate in radiographic examinations. Review of the clinical handbook with the clinical coordinator.
**Credits** 1.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
RADT 133 and RADT 152

An introduction to the concepts of disease and the etiology and pathophysiology of disease to body systems. Radiographic exam indicators and common radiographic findings are reviewed and compared to normal radiographic findings.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
RADT 122, RADT 152

Part one of a four-part series. Focus on the clinical application and evaluation of radiography under professional supervision in a clinical education center affiliated with WVC. Apply technical and procedural knowledge through observation and participation in radiographic studies. Clinical 39 hours per week, competency based.
**Credits** 13.00
**Weekly Contact Hours** 39.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Completion of first-year RADT Program

Continuation of RADT 231. Continue to gain radiographic experiences under professional supervision in the clinical education center. Continue completing educational objectives and clinical competencies at specified levels of competence and patient care and learns to become a committed, team oriented, employable individual.
**Credits** 9.00
**Weekly Contact Hours** 27.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
RADT 231

Continuation of RADT 232. Transition to the second assigned clinical education center affiliated with WVC. Continue to develop and demonstrate an increasing degree of competence in performance, decision making, efficiency, speed, patient care, problem solving and professionalism. Clinical 39 hours per week, competency based.
**Credits** 13.00
**Weekly Contact Hours** 39.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
RADT 232

Continuation of RADT 233. Continue to gain experience under professional supervision of the clinical education center. Demonstrate competency related to clinical competency requirements, decision-making, efficiency, and problem-solving in procedures demonstrated in all previous clinical courses. Clinical 39 hours per week.
**Credits** 13.00
**Weekly Contact Hours** 39.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
RADT 233

Part one of a four part series. Comprehensive review for the ARRT Certification Examination and expansion of theoretical basis for radiographic technological practices encountered by the student during clinical education. This course is conducted online.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Completion of first-year RADT Program

Continuation of RADT 241: Comprehensive review for the ARRT Certification Examination and expansion of theoretical basis for radiographic technological practices encountered by the student during clinical education. This course is conducted online.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
RADT 241

Continuation of RADT 242: Comprehensive review for the ARRT Certification Examination and expansion of theoretical basis for radiographic technological practices encountered by the student during clinical education. This course is conducted online.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
RADT 242

Continuation of RADT 243: Final comprehensive review for the ARRT Certification Examination and expansion of theoretical basis for radiographic technological practices encountered by the student during clinical education. This course is conducted online.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
RADT 243

# Reading

Designed to improve reading skills. Emphasizes vocabulary development, reading comprehension and retention, and critical thinking skills. Students will begin to appreciate cultural diversity through assigned readings and classroom interactions. Students must earn a minimum grade of "C" (2.0) in this course to progress. Recommended to be taken concurrently with ENGL 97.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Not Intended for Transfer, Typically Numbered Below 100.
**Prerequisites**
Placement into READ 092 or a minimum grade of "C" (2.0) in ENGL 90.

# Science, Technology, Engineering, Math

Provides a comprehensive introduction to research proposal writing, research methodologies, and foundational research theories and protocols. Examines how to write a proposal, engage in independent studies, and work collaboratively in a mentor-mentee relationship with a faculty advisor. Establish the foundation of a research project to be completed the next quarter(s).
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective
**Prerequisites**
MATH 98

Teaches the cyclical nature of applied research and the iterative process of research writing. Examines how to interpret collected data, write a full research, and disseminate research findings. Discusses design of poster and seminar presentations, research publication, and presentation skills. Prerequisite: STEM 201 and an independent research project with a faculty mentor.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
General Elective
**Prerequisites**
STEM 201 and Instructor Permission Independent Project

# Sociology

Introduction to the basic principles of sociology with an emphasis on the sociological perspective. Areas of study include the economy, government, deviance, stratification, race and ethnicity, family, education, and social change.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

Investigates social problems of today from a sociological perspective. The course examines important issues of the economy, drug abuse, crime, inequality, family, education, race and ethnic relations, environment, and war and terrorism. The course is structured to promote the critical thinking and problem-solving skills of students by using the sociological imagination.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

A historical overview of social work as a profession by examining professional preparation and employment opportunities as well as characteristics of practice settings with individuals, groups and communities. The course will be structured to promote the critical thinking and problem-solving skills of students by using the sociological perspective.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

Intersection of social institutions and women in American society. Explores research and formal theories on social and institutional pressures that shape women and their roles; confronts myths, misconceptions and stereotypes surrounding a woman's life, including her history, education, sexuality, politics, economics, religion, family, race, age, self-identity and potential.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

A historical overview of minority and ethnic relations with an examination of topics and theories related to the diversity of selected groups and intergroup relations. Topics include prejudice and discrimination, dominant/minority relations, and majority and minority groups in American society.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Diversity, Social Science

An examination of the relationship between sport and society from a historical and sociological perspective. Emphasis will be given to sport as an economic enterprise, the relationship between sport and society's institutions, high school and college sports, and the issues of social class, race, gender, and violence in sports.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

A comprehensive examination of marriage and family life, including past, current and future trends. The course will help students understand different family patterns and skills for meaningful, long-term, intimate relationships, and is structured to promote the critical thinking and problem solving skills of students by using the sociological perspective.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science

# Spanish

Elementary grammar, writing and comprehension of the Spanish language. Instruction partly in Spanish. Background in English grammatical terminology is recommended.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Continuation of Spanish I. Elementary grammar, writing and comprehension of the Spanish language. Instruction increasingly in Spanish. Background in English grammatical terminology is recommended.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
SPAN& 121

Continuation of Spanish II. Elementary grammar, writing and comprehension of the Spanish language. Instruction mostly in Spanish. Background in English grammatical terminology is recommended.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
SPAN& 122 or equivalent

Study of grammar, writing, comprehension, and Hispanic culture and literature. Instruction in Spanish.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
SPAN& 123 or equivalent

Continuation of Spanish IV. Study of grammar, writing, comprehension, and Hispanic culture and literature. Instruction in Spanish.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
SPAN& 221 or equivalent

Continuation of Spanish V. Study of grammar, writing, comprehension, and Hispanic culture and literature. Instruction in Spanish.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
SPAN& 222 or equivalent

Emphasis on development of Heritage Spanish language skills learned at home and/or in the community. Covers listening and reading comprehension, development of vocabulary, reviews certain grammar features particular to heritage learners, reinforces knowledge of formal/ standard structures of Spanish, and explores issues related to identity/culture to strengthen heritage language skills.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Continued emphasis on development of Heritage Spanish language skills learned at home and/or in the community. Expands on comprehension and vocabulary gained in Spanish 231 by focusing on written Spanish, reading activities, developing more advanced formal grammar skills, and becoming aware of the different variants of Spanish.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
SPAN 231

Continued development of Heritage Spanish language skills learned at home and/or in the community. Expands on SPAN 232 by emphasizing reading and writing at higher levels, and discussion of theoretical ideas as a means of fostering critical thinking. Reviews challenging grammar structures in preparation for upper level courses.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities
**Prerequisites**
SPAN 232

# Student Development Skills

Introduces techniques, strategies and information fundamental for students to navigate and to succeed in the college environment.

Course covers college-level study skills, including time management, goal setting, classroom etiquette, math study skills, note-taking, textbook reading and comprehension, exam preparation and test taking, basic research skills, and basic presentation skills.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Introductory online course with emphasis on technical preparation, navigation, communication in online environment, and how online learning differs from face-to face instruction. Students learn how online courses work, acquire personal preparation for successful learning online, and identify when and how online learning is best incorporated into their educational activities.
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective

An intensive course in basic math principles and math-specific study skills to improve student performance in developmental math.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Understanding of the nature of stress, principles of stress management and strategies for 'creating, rejuvenating, and sustaining' a healthy, balanced life style. Through lecture and experiential learning, learn to reduce anxiety around tests, homework, relationships and more.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
ENGL 97

This course is designed to provide emerging and existing leaders the opportunity to explore, develop and improve the concept of leadership. Integrates diversity and equity concepts, reading from the humanities, experiential exercises, films and contemporary readings on inclusive leadership to develop holistic leaders ready to embrace a diverse world.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

An opportunity to explore career options that best fit with student's personality, interests, abilities and values. Emphasis is on personal assessment.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Introduces techniques, strategies and information fundamental for students to navigate in the college environment. Includes content in goal setting, critical thinking, decision making and problem solving, time management and stress management, resume writing, interview tips and career exploration.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective

Introduces student development techniques, strategies and information fundamental for students to navigate in the college environment. Includes content in financial decision-making strategies, creating a financial plan for higher education, college paper writing requirements, understanding self awareness and motivation as tools for college success .
**Credits** 1.00
**Weekly Contact Hours** 1.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
CAMP Enrollment

Covers learning strategies and techniques that lead to successful completion of sciences course. Emphasizes effective textbook reading, lecture note taking, time management, test preparation, and memory improvement.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

An intensive course in basic college readiness skills including college navigation, study skills, and reading, writing, and math fundamentals. Students will have the opportunity to strengthen their English and math foundation and receive assistance with correct placement in writing and math. Course includes presentations from guest speakers from across campus.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

A support course in writing and reading, relevant study skills, and college-navigation skills to improve student performance in English 97 or ENGL& 101. Uses a workshop approach to give assistance with writing and reading assignments from English courses. This course is designed to be taken with ENGL 97 or ENGL& 101. Keyboarding skills recommended.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Placement into ENGL 97 or ENGL& 101

This course is designed to improve student performance in math and science courses. Emphasis on math and science specific study skills, making use of on-campus and online math/science resources, strategies for anxiety reduction, time management, and test taking. Ideal for anyone feeling anxious about their math and/or science class.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

# Teaching BAS

Students will deconstruct their own biases and reflect on biases present in the communities of practice and the system in which our children live. Students will apply the principles of anti-bias education to their instruction, and receive peer and instructor coaching to improve their responsiveness to cultural, linguistic and ability diversity. Students will discuss how embedded bias can impact identity development.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Social Science
**Prerequisites**
Admission into the BAS-Teaching Program and minimum 2.0 on all previous 300-level ECED and EDUC courses.

Plan for health and fitness education for students who are culturally, linguistically, and ability diverse using state and national standards. Integrate health and fitness education into daily curriculum. Include various dimensions of wellness such as physical, emotional, and social well-being.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Admission into the BAS-Teaching Program and minimum 2.0 on all previous 300-level ECED and EDUC courses.

Identify aspects of children's home and school lives that contribute to behavior and require varied levels of intervention. Evaluate intervention methods that can be used one-on-one, in small groups, or in large groups. Develop an understanding of Special Education intervention methods and strategies for children and their families.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Social Science
**Prerequisites**
Admission into the BAS-Teaching Program and minimum 2.0 on all previous 300-level ECED and EDUC courses.

An overview of current laws concerning special education in particular, and education in general. Professional ethics and advocacy will also be addressed as it relates to learning programs and working with children who are culturally, linguistically, and ability diverse and their families.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Admission into the BAS-Teaching Program and minimum 2.0 on all previous 300-level ECED and EDUC courses.

Select, administer, score, and interpret a variety of formal and informal assessment tools. Use assessment data to evaluate students for eligibility and placement into general and special education programs. Develop IEPs and IFSPs for children who are culturally, linguistically, and ability diverse and their families.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Admission into the BAS-Teaching Program and minimum 2.0 on all previous 300-level ECED and EDUC courses.

Refine skills and strategies for observing, documenting, and monitoring children who are culturally, linguistically, and ability diverse and their families. Identify and evaluate strategies for tracking student progress toward meeting IFSP outcomes, IEP goals, or 504 goals.
**Credits** 3.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Admission into the BAS-Teaching Program and minimum 2.0 on all previous 300-level ECED and EDUC courses.

Use evidence-based strategies to adapt and modify curriculum and environments for individual children who are culturally, linguistically, and ability diverse and their families. Integrate Universal Design for Learning (UDL) principles and practices to create lessons for children and their families based on IFSP outcomes, IEP goals, or 504 plans.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Admission into the BAS-Teaching Program and minimum 2.0 on all previous 300-level ECED and EDUC courses.

Refine teaching strategies for language acquisition and literacy skill development for culturally, linguistically, and ability diverse children at each developmental stage through the interrelated areas of speaking, listening, writing, and reading. Develop strategies for teaching reading, supporting literacy development, and engaging families in language and literacy learning.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Admission into the BAS-Teaching Program and minimum 2.0 on all previous 300-level ECED and EDUC courses.

Develop skills needed to effectively collaborate with all stakeholders to support children who are culturally, linguistically, and ability diverse including teachers, paraeducators, assistants, other school personnel, community agency personnel, and families. Develop strategies for supervising other educators in your classroom including classroom volunteers, paraeducators, assistants, and peer tutors.
**Credits** 3.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Admission into the BAS-Teaching program; minimum 2.0 on all previous 300-level ECED and EDUC courses.

Create a teaching portfolio with a collection of artifacts that represent the student-teaching. Make connections between artifacts and state and national standards for teachers. Reflect on the artifacts to improve teaching and develop professionally.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Admission into the BAS-Teaching Program and minimum 2.0 on all previous 300- and 400-level ECED and EDUC courses.

Participate in seminars and professional learning communities designed to inform and enhance practice. Identify current issues and trends in the field and identify evidence-based classroom practices to support all learners.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Admission into the BAS-Teaching Program and minimum 2.0 on all previous 300- and 400-level ECED and EDUC courses.

Gain practical teaching experience by working in a general education and/or special education setting (including inclusive classrooms) with students who are culturally, linguistically, and ability diverse and their families under the supervision of a certified teacher.
**Credits** 8.00
**Weekly Contact Hours** 24.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Admission into the BAS-Teaching Program and minimum 2.0 on all previous 300- and 400-level ECED and EDUC courses.

Create a teaching portfolio with a collection of artifacts that represent the student-teaching. Make connections between artifacts and state and national standards for teachers. Reflect on the artifacts to improve teaching and develop professionally.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Admission into the BAS-Teaching Program and minimum 2.0 on all previous 300- and 400-level ECED and EDUC courses.

Participate in seminars and professional learning communities designed to inform and enhance practice. Identify current issues and trends in the field and identify evidence-based classroom practices to support all learners.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Admission into the BAS-Teaching Program and minimum 2.0 on all previous 300- and 400-level ECED and EDUC courses.

Gain practical teaching experience by working in a general education and/or special education setting (including inclusive classrooms) with students who are culturally, linguistically, and ability diverse and their families under the supervision of a certified teacher.
**Credits** 8.00
**Weekly Contact Hours** 24.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Admission into the BAS-Teaching Program and minimum 2.0 on all previous 300- and 400-level ECED and EDUC courses.

Create a teaching portfolio with a collection of artifacts that represent the student-teaching. Make connections between artifacts and state and national standards for teachers. Reflect on the artifacts to improve teaching and develop professionally.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Admission into the BAS-Teaching Program and minimum 2.0 on all previous 300- and 400-level ECED and EDUC courses.

Participate in seminars and professional learning communities designed to inform and enhance practice. Identify current issues and trends in the field and identify evidence-based classroom practices to support all learners.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Admission into the BAS-Teaching Program and minimum 2.0 on all previous 300- and 400-level ECED and EDUC courses.

Gain practical teaching experience by working in a general education and/or special education setting (including inclusive classrooms) with students who are culturally, linguistically, and ability diverse and their families under the supervision of a certified teacher.
**Credits** 8.00
**Weekly Contact Hours** 24.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Admission into the BAS-Teaching Program and minimum 2.0 on all previous 300- and 400-level ECED and EDUC courses.

Make fundamental connections among various Social Studies topics including civics, geography, economics, history, and global issues at the local, state, national, and global levels. Develop lessons using a holistic approach to teaching Social Studies integrating the Since Time Immemorial curriculum, multicultural literature, and community resources.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Social Science
**Prerequisites**
Admission into the BAS-Teaching program; minimum 2.0 on all previous 300-level ECED and EDUC courses.

Broaden scope of methods for teaching classroom and laboratory science in elementary educational settings in earth sciences, life sciences, physical science, and engineering. Develop scientific activities and thinking, including investigation, collection and analysis of evidence, logical reasoning, and use of academic language aligned with national and state standards.
**Credits** 5.00
**Weekly Contact Hours** 6.00
**Meets Degree Requirements For**
Natural Science with Lab
**Prerequisites**
Admission into the BAS-Teaching program; minimum 2.0 on all previous 300-level ECED and EDUC courses.

Develop a deep understanding of the purpose of mathematical discourse, how students learn math, and the development of mathematical learning across all strands (number and operations, algebra, geometry, measurement, and data analysis and probability) for students from birth to grade 8. Create and deliver standards-aligned math lessons and assessments for birth to grade 8 students.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
Admission into the BAS-Teaching Program and minimum 2.0 on all previous 300-level ECED and EDUC courses.

# Theater

The Theatre Department is committed to serving future Theatre Arts Majors and professional theatre artists, as well as meeting cross-disciplinary general education requirements. The courses focus on theatre styles and history, performance, and theatre technologies. Students develop soft skills: collaboration, creativity, analysis, critical thinking, performance, managing, and communication, as well as technical skills: costuming, construction, electrician, carpentry, audio tech, lighting tech, ticketing, and marketing.

Fundamentals of stage acting, employing practical exercises, games and performance activities. Students will learn how to analyze, interpret and present a theatrical character to an audience. Voice, movement and concentration will be stressed, as well as basic stage terminology.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities with Performance

Basic, comprehensive basic coverage of the elements of theater production and administration: stage types/ rigging, lighting/sound, costumes, sets, makeup, theater management, box office, ticketing, and publicity. Students apply concepts and techniques of stage craft and stage administration by working with a production team in a professional, performing arts setting.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities

Focuses on advanced acting techniques and in-depth character/play analysis, as well as more complex scene work. Students will also work on projects related to play directing and production.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Humanities with Performance
**Prerequisites**
THTR 165 or Instructor Permission

# Tribal Gaming Management

Examines the roles of the tribal government and provides a broad overview of tribal law issues, including an understanding of tribal governments, tribal constitutions and codes, treaties, tribal court systems, and tribal gaming law.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

Provides a broad overview of tribal jurisdiction issues, including an understanding of criminal and civil jurisdiction, particularly as applied to tribal gaming law.
**Credits** 3.00
**Weekly Contact Hours** 3.00
**Meets Degree Requirements For**
Restricted Elective

# Welding

Designed to introduce commonly used metal fabrication techniques. Including but not limited to: measuring instrumentation, metal preparation, welding, machines (drills, saws, grinders, mills and lathes) and metal bending devices. Emphasis placed on the safe use of tooling, pre-planning and fabrication of structurally sound projects.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
WELD 128 or WELD 131 or WELD 132 or concurrent enrollment in any of the three

Introduces the student to an intermediate level of fabrication techniques such as measurement instrumentation, metal preparation, welding, machines (drills, saws, grinders, mills and lathes), and metal benders. Emphasis is placed on the safe use of tooling, pre-planning, and fabrication of structurally sound projects.
**Credits** 5.00
**Weekly Contact Hours** 7.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
INDT 135 or industry experience with Instructor Permission

Designed to introduce commonly used sheet metal fabrication techniques, including but not limited to: measuring, shearing, bending, lay-out, metal preparation, welding, machines (drills, saws, grinders, brakes, shears) and hand-held specialized sheet-metal tooling. Emphasis placed on the safe use of tooling, pre-planning, proper fitment and the fabrication of structurally sound projects.
**Credits** 3.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
WELD 128 or WELD 131 or WELD 132 or appropriate industry experience (Instructor Permission)

Theory, application and practice of arc and oxyacetylene welding and cutting.
**Credits** 3.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Fundamentals and experience in the operation of oxyacetylene welders and cutters in flat, horizontal, vertical and overhead positions, and an introduction to aluminum and stainless steel welding and brazing using TIG welding machines.
**Credits** 3.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Fundamentals and experience in operation of AC and DC welders in flat, horizontal, vertical and overhead positions using a variety of welding electrodes, including low-hydrogen rods. Introduction to MIG (Metallic Inert Gas) or GMAW (Gas Metal Arc Welding) included.
**Credits** 3.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

Introduces the experienced welder or student to GTAW techniques and machine set-up. The student will learn the proper way to adjust a machine for joining many types of metals ferrous and non-ferrous. Skill level will be improved and experience will be gained through several repetitive exercises.
**Credits** 3.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
WELD 128 or WELD 131 or WELD 132 or Professional Welding Experience (Instructor Permission)

Prepares experienced welders for welding examination and certification. Involves out of position welding with electric arc 6010 and 7018 electrodes, 'flux core' welding wire, and GMAW (MIG) Welders (required during welding certification).
**Credits** 2.00
**Weekly Contact Hours** 4.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
WELD 128 or Industry Experience (Instructor Permission)

Techniques for welding pipe and preparing for WABO certification. SMAW (Stick) and GMAC (MIG) methods are used. Students will weld in all positions, prep and fit at various angles.
**Credits** 3.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
WELD 128 or WELD 131 or WELD 132 or appropriate Industry Experience (Instructor Permission)

Provides basic knowledge and skill in reading typical blueprints used by welding professionals. Special attention devoted to the symbols used in this industry. Course includes drawing and drawing interpretation.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective

Course in welding styles such as GTAW, FCAW and GMAW used in joining exotic metals or metal alloys which may include but is not limited to titanium, tungsten, inconel, aluminum and stainless steel.
**Credits** 3.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective
**Prerequisites**
WELD 128 or WELD 131 or WELD 132

Overview of information needed to identify key welding inspection criteria, codes and procedures. Course will focus on the contents of the WABO Standard 27-13 booklet and how to quickly locate important information.
**Credits** 2.00
**Weekly Contact Hours** 2.00
**Meets Degree Requirements For**
Restricted Elective

Prepares students for the American Welding Society D1.1 Certified Welding Inspector exam, known as Exam Part C. Course will focus on the contents of the book and how to quickly locate important information.
**Credits** 5.00
**Weekly Contact Hours** 5.00
**Meets Degree Requirements For**
Restricted Elective

# World Languages

The Department of World Languages offers credit courses in German, Japanese, Latin, American Sign Language, and Spanish as options for fulfilling the humanities requirement (15 credits) for the associate of arts and sciences degree. Native American language (Salish) is taught on the WVC Omak campus and may be used to meet an elective requirement for the AAS degree. Three levels of German and Latin, six levels of ASL, Japanese, and Spanish are currently listed in the college catalog. In addition, students may pursue individual interests through independent study language courses. Special courses designed to deal with unique subjects or timely topics are occasionally offered.

Though there is some variation in outcomes depending on language and level, the following are common themes for what students should be able to do upon successful completion of a course:

- Carry out a variety of interactions, in both oral and written forms.
- Develop the four language skills (reading, writing, listening, speaking) defined by the American Council on the Teaching of Foreign Languages (ACTFL).
- Recognize and interpret cultural behaviors, attitudes and values.
- Become acquainted with the historical and cultural movements of the target language through exposure of literature, art, music, film and/or performing arts.
- Employ strategies for analyzing and responding to authentic materials in the target language.

ASL 101 is an intermediate level course designed to enhance student proficiency in American Sign Language through the exploration of fingerspelling, handshape stories, and numerical incorporation in ASL. This course is a focused practice in comprehension and production of finger-spelled words and numbers with emphasis on clarity and accuracy. Introduction to lexicalized fingerspelling and numeral incorporation with a unit on ASL Storytelling and classifiers. Expressive skills focus on the development of speed, clarity, and fluency. Prerequisite: Completion of ASL&121 with a minimum grade of 'C' or instructor approval.

**Credits** 5.00
**Weekly Contact Hours** 50.00
**Meets Degree Requirements For**
General Elective, Humanities
**Prerequisites**
Must complete ASL&121 with a grade of 'C' or better or obtain instructor approval.

# Administrative Contacts

## Dr. Faimous Harrison

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**Credentials**

- Ph.D., Higher Education Administration, Oregon State University
- M.S., Physical Education, Pedagogy and Leadership, Seattle Pacific University
- B.S., Sociology, University of Washington

## Cal Cross

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Administrative and Office Support
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**Campus** Omak
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**Credentials**
Master of Library Science degree, University of Maryland
B.A., Georgia Southern University

## Erin Davidson

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## Tracy Donnelly

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**Credentials**
Master's degree, Public Health, University of Nevada Las Vegas
Teaching license, Health and Physical Education, University of Idaho
B.S., Health Education and Athletic Training, Southern Oregon University

## Cecilia Escobedo

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**Credentials**
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- M.S., Educational Technology, Boise State University
- Ph.D., Educational Leadership, Northwest Nazarene University

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**Credentials**
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PHR certification, Human Resources, Society of Human Resource Management

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- BA, Psychology, Whitman College
- MLIS, University of Washington

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- MILS, Information and Library Studies, University of Michigan Ann Arbor
- A.B., Honors English, University of Michigan Ann Arbor

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**Credentials**

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**Credentials**

- B.S., Education, University of Alabama

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**Credentials**

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**Credentials**

- Ph.D., University of Wisconsin-Madison School of Education's Department of Educational Leadership and Policy Analysis
- M.S., Mechanical Engineering, New Mexico State University
- M.A., Mathematics Teacher Education, Chatham University
- B.S., Physics, Antioch College

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**Credentials**
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## Dr. Tod Treat

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**Credentials**

- Ph.D, Education, University of Illinois
- M.S., Chemistry, University of Colorado
- B.S., Biochemistry, University of Illinois

Tod Treat | Wenatchee Valley College (wvc.edu)

## Levi Vega-Sanchez

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**Credentials**

- B.A., Criminal Justice/Criminology, University of Washington

# Faculty

WVC follows the Washington State Community and Technical College Personnel Standards for hiring faculty. This includes master's degrees in their major teaching are for full-time academic faculty and valid vocational-technical education certificates for full-time occupational/technical faculty.

## Oluwaseun (Ebenezer) Akinterinwa

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**Credentials**

- Ph.D, Physiology & Biophysics, University of Louisville School of Medicine
- MS, Physiology & Biophysics, University of Louisville School of Medicine
- BS, Biology, Morgan State University

## Dr. Karen Champagnie Alman

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**Credentials**

- B.A., Mass Communication, Journalism, University of the West Indies
- M.A., Communication Management, University of Southern California
- Ph.D., Mass Media Studies, Advertising, Michigan State University

## Rene Baca

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**Credentials**

- B.A., Spanish, New Mexico State University
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## Scott Bailey

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**Credentials**

- B.A., Art, Gonzaga University
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**Credentials**

- M.A., Teaching English to Speakers of Other Languages (TESOL), Central Washington University
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**Credentials**

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**Credentials**

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- B.S., Molecular Biology, Western Washington University
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**Credentials**

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**Credentials**

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**Credentials**

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## Dr. Peter Donahue

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**Credentials**

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- M.A., English, Virginia Tech
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**Credentials**

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**Credentials**

- BA, Aquatic Biology, University of California-Santa Barbara
- MS, Biology, University of British Columbia

## Megan Friesen

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**Credentials**
BS, BA, Seattle Pacific University
MS, University of California Davis
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## Dr. J'Lene George

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**Credentials**

- BA, Psychology, University of Utah
- M.S., Ph.D., Applied Developmental Psychology, University of Miami
-

## Allycia Gonzales

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**Credentials**

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## Janna Goodyear

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**Credentials**

- BA, English, North Carolina University
- MA, Rhetoric and Writing, University of New Mexico

## Randolph Grant

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**Credentials**

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- M.A., Public Administration, City University

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**Credentials**

- AA, Auto and Diesel Technology, Denver Auto and Diesel College
- ASE, Master Technician

## Erin Hardgrove

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**Credentials**

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**Credentials**

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## Shane Hendrickson

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**Credentials**

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**Credentials**

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