



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. Each institution 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 bachelor's degree.
7. When a student changes a major or degree program, the student assumes full responsibility for meeting the new requirements.

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

WENATCHEE VALLEY COLLEGE

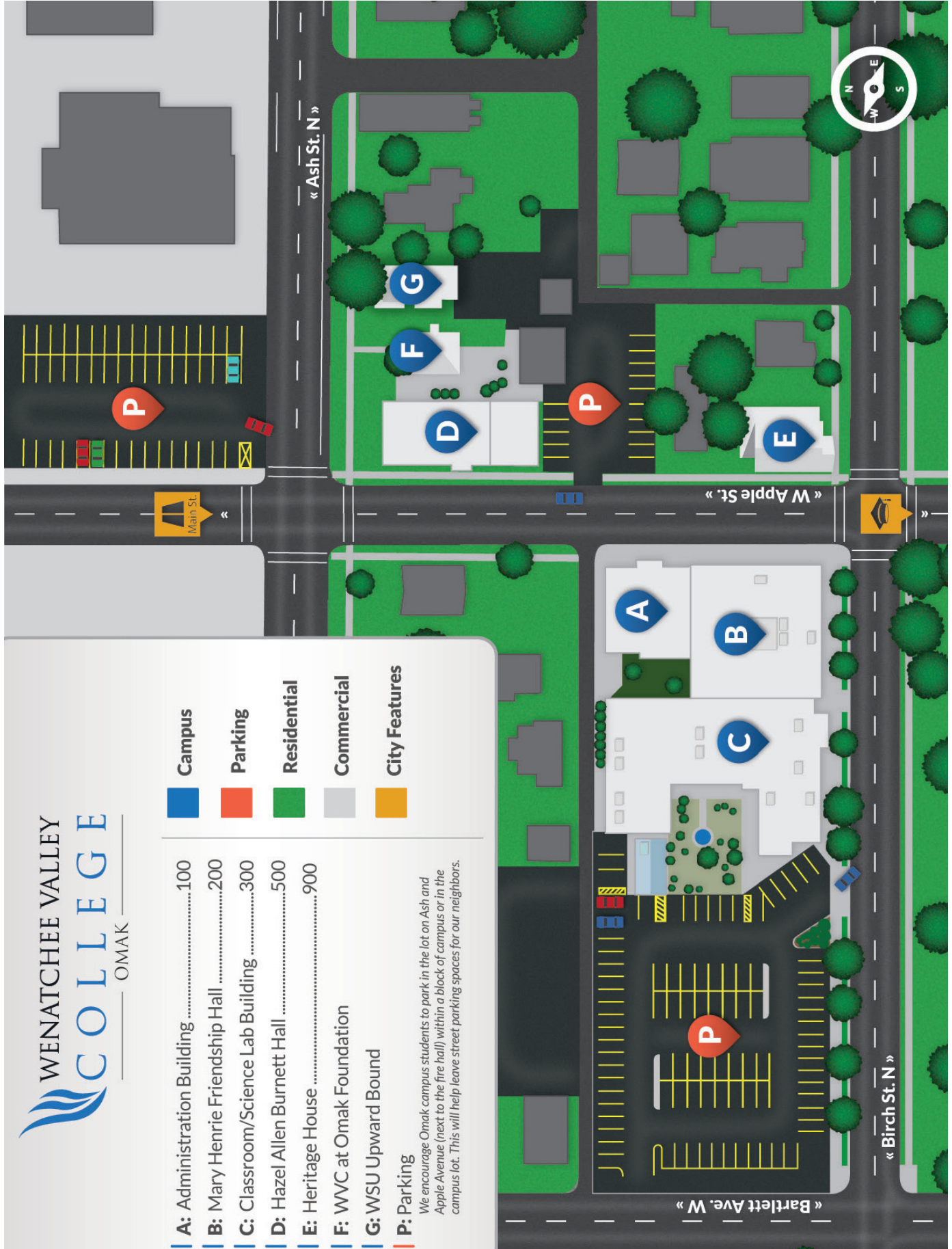
OMAK

- A:** Administration Building100
- B:** Mary Henrie Friendship Hall200
- C:** Classroom/Science Lab Building300
- D:** Hazel Allen Burnett Hall500
- E:** Heritage House900
- F:** WVC at Omak Foundation
- G:** WSU Upward Bound

P: Parking

We encourage Omak campus students to park in the lot on Ash and Apple Avenue (next to the fire hall) within a block of campus or in the campus lot. This will help leave street parking spaces for our neighbors.

■	Campus
■	Parking
■	Residential
■	Commercial
■	City Features



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 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 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 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, 1361 Park Street, Clearwater, FL 33756. 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 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:

Associate of Arts and Sciences Degree
Associate in Applied Science–Transfer Degree
Associate of Science–Transfer Degree
Associate of Technical Science Degree
Associate of Business–Transfer Degree
Associate of General Studies Degree
Certificate of Completion

Student Planner-Checklist

Graduation Requirements for the Associate of Arts and Sciences (AAS-DTA) Degree

Year 1—1 st Quarter Classes		Year 1—2 nd Quarter Classes		Year 1—3 rd Quarter Classes	
Course and Number	Cred.	Course and Number	Cred.	Course and Number	Cred.

Year 2—1 st Quarter Classes		Year 2—2 nd Quarter Classes		Year 2—3 rd Quarter Classes	
Course and Number	Cred.	Course and Number	Cred.	Course and Number	Cred.

Minimum Requirements for the AAS-DTA Degree

Please note: Official graduation evaluations must be completed by the WVC Registrar.

	HAVE	NEED
10 Credits —Writing Skills Required: English 101 Select one: English 201, 202, 203, 235	_____	_____
5 Credits —Quantitative Skills Select one: Math 107, 140, 141, 142, 146, 148, 151, 152, 153, 173, 200, 211, 238, 254	_____	_____
15 Credits —Humanities (from three different subject areas)	_____	_____
15 Credits —Natural Sciences (from three different subject areas and one course must include a lab)	_____	_____
15 Credits —Social Sciences (from three different subject areas)	_____	_____
30 Credits —Electives (limit of 15 credits of Restricted Electives)	_____	_____
90 CREDITS —MINIMUM TOTAL FOR DEGREE	_____	_____

Electives	
Course and Number	Cred.
Restricted Electives	

Humanities		Natural Sciences		Social Sciences	
Course and Number	Cred.	Course and Number	Cred.	Course and Number	Cred.

WVC 2015-2016 Calendar

FALL QUARTER 2015

Application deadline for fall quarter Sept. 8
Tuition due for fall-quarter classes Sept. 8
Classes begin Sept. 21
 Last day to register
 (without instructor permission) Sept. 22
 Advising for continuing/former students
 (No day classes) Nov. 3
 Last day to withdraw or change to audit Nov. 6
 Veterans Day (Holiday) (No classes) Nov. 11
 Registration for continuing/
 former students Nov. 16-18
 Professional Day (No classes) Nov. 25
 Thanksgiving (Holiday) (No classes) Nov. 26-27
 Advising and registration for
 new students begins Nov. 30
 Last day to apply for
 fall-quarter graduation Dec. 1
 Final exams Dec. 9-11
 Winter vacation Dec. 14-Jan. 1
 Grades available online Dec. 15

WINTER QUARTER 2016

Application deadline for winter quarter Dec. 21
Tuition due for winter-quarter classes Dec. 21
Classes begin Jan. 4
 Last day to register
 (without instructor permission) Jan. 5
 Martin Luther King Day
 (Holiday) (No classes) Jan. 18
 Advising for continuing/
 former students (No day classes) Feb. 9
 Presidents' Day (Holiday) (No classes) Feb. 15
 Registration for continuing/
 former students Feb. 16-18
 Advising and registration for
 new students begins Feb. 22
 Last day to withdraw or change to audit Feb. 23
 Last day to apply for winter- quarter
 graduation March 1
 Final exams March 16-18
 Spring vacation March 21-25
 Grades available online March 22

SPRING QUARTER 2016

Application deadline for spring quarter March 14
Tuition due for spring-quarter classes March 14
Classes begin March 28
 Last day to register
 (without instructor permission) March 29
 Last day to apply for spring-quarter
 graduation May 2
 Advising continuing/former
 students summer/fall (No day classes) May 10
 Last day to withdraw or change to audit May 13
 Registration for continuing/former
 students for summer/fall May 16-18
 Advising and registration for new students
 for summer/fall begins May 23
 Memorial Day (Holiday) (No classes) May 30
 Final exams June 8-10
 Graduation (Wenatchee Campus) June 10
 Graduation (Omak Campus) June 11
 Grades available online June 14

SUMMER QUARTER 2016

Application deadline for summer quarter June 13
Tuition due for summer-quarter classes June 13
Classes begin June 27
 Last day to register
 (without instructor permission) June 28
 Independence Day (Holiday) (No classes) July 4
 Last day to apply for summer-
 quarter graduation Aug. 1
 Last day to withdraw or change to audit Aug. 8
 End of quarter Aug. 19
 Grades available online Aug. 23

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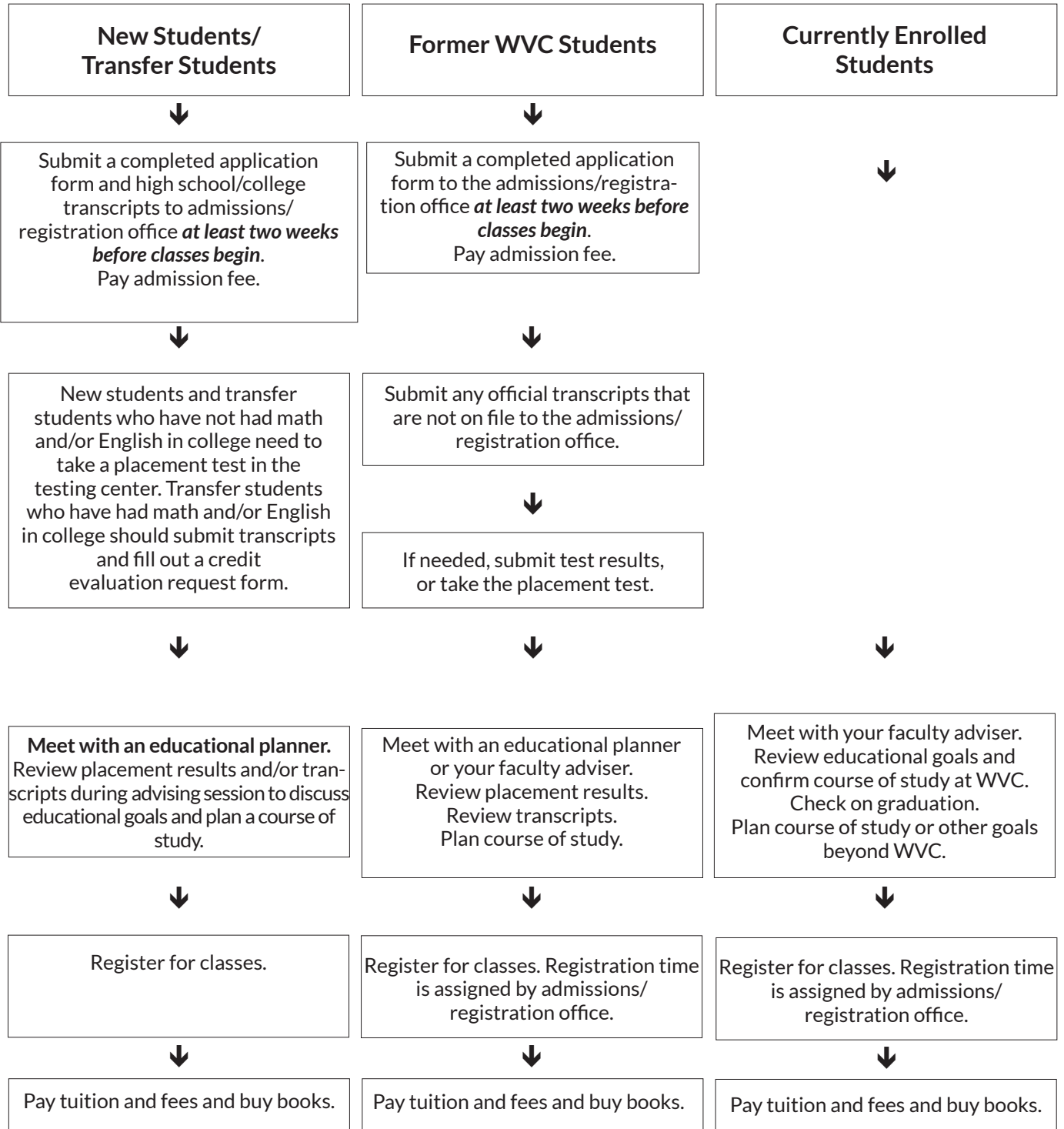
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Student Admission/Registration Procedure

The basic procedures for admission and registration at Wenatchee Valley College are provided below. See our website at www.wvc.edu for detailed information.

Note: Students interested in financial aid should contact the financial aid office early in the application process.



help students develop new thinking strategies and patterns.
Prerequisites: placement in ENGL 097 strongly recommended.

SDS 115 **2 credits**
Study Skills for English

An intensive course in grammar and study skills to prepare students to succeed in English courses. Prerequisites: concurrent enrollment in ENGL 097.

SDS 207 **1 credit**
CAMP College Navigation IV

Techniques, strategies and information fundamental to successfully transfer to a four-year institution. Students will also explore majors/programs and career opportunities.

Theater

THTR 165 **5 credits**
Acting I

Fundamentals of stage acting, employing practical exercises, games and performance activities. 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.

THTR 170 **5 credits**
Theater Production & Administration

Comprehensive basic course covering the elements of theater production and administration: stage types/rigging, lighting/sound, costumes, sets, makeup, theater management, box office, ticketing, and publicity. Concepts and techniques of stage craft and stage administration apply knowledge by working with a production team in a professional performing arts setting.

THTR 265 **5 credits**
Acting II

Focuses on advanced acting techniques and in-depth character/play analysis as well as more complex scene work. Projects related to play directing and production will be assigned. Prerequisites: THTR 165 or instructor's signature.

Tribal Gaming Management

TGM 150 **3 credits**
Tribal Law

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.

TGM 160 **3 credits**
Jurisdiction Issues

Provides a broad overview of tribal jurisdiction issues, including an understanding of criminal and civil jurisdiction, particularly as applied to tribal gaming law.

Welding

WELD 128 **3 credits**
Basic Welding

Theory, application and practice of arc and oxyacetylene welding and cutting.

WELD 131 **3 credits**
Gas Welding

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.

WELD 132 **3 credits**
Arc Welding

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.

WELD 134 **3 credits**
Intermediate GTAW (TIG)

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. Prerequisites: WELD 128 or WELD 131 or WELD 132 or professional welding experience.

WELD 220 **2 credits**
Welding Certification Prep Course

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). Prerequisites: WELD 128 or industry experience.

WELD 223 **3 credits**
Pipe Welding

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. Prerequisites: WELD 128 or WELD 131 or WELD 132 or appropriate industry experience.

WELD 225 **2 credits**
Welding Blueprint Reading

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.

WELD 227 **3 credits**
Welding Exotic Metals

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. Prerequisites: WELD 128 or WELD 131 or WELD 132.

be able to send it to us immediately. If you are a returning student, you will need to create a new account to file the required application.

Apply By Mail - You may also print a WVC application for admission from the college website and apply via U.S. mail or fax. Applications should be sent to the admissions/registration office located on either the Wenatchee or Omak campus, depending on which one you attend.

Apply In Person - You can complete the application in person at the admissions/registration office. A student services staff member will be available to answer your questions about enrolling.

Student Identification Numbers (SID) and Personal Identification Numbers (PIN)

Each student who attends WVC will be assigned a Student Identification number, or SID. Your SID is your unique identifier while attending WVC. You will also be assigned a Personal Identification Number, or PIN. The SID and PIN can be used together to access your records through the WVC website, so we strongly advise that you keep them private. You have the option of changing your PIN through the MyWVC Portal.

Please note that due to privacy regulations WVC staff are not allowed to give out SID or PIN information over the phone or e-mail. You can look up your SID through the MyWVC Portal with your Social Security number and birthdate. If you forget your number(s), you will need to come into the admissions/registration office and present picture ID.

Registration

Please check the academic calendar on the website for registration start dates.

Mail-in or Walk-in Registration

Mail-in or walk-in registration is available only to those students who are enrolling in six or fewer credits.

Please fill out ALL of the blanks on the registration form. Incomplete forms will be returned. You can print a form from the registration page on the WVC website, www.wvc.edu. If your class requires an instructor's signature as a prerequisite, you must have the instructor sign your enrollment form. Mail your completed registration form along with your check (made out to "Wenatchee Valley College" for the exact amount) or credit card information to the WVC Admissions/Registration office.

Mail-in or walk-in registrations are not processed until continuing and former WVC students have been allowed to register.

Online Registration

Registration through the WVC website is available to any student with a current application on file. If you have not attended WVC for more than a quarter (excluding summer), you will need to submit a new application to access Web registration. The following students, however, will need to register in person:

- Students taking ABE, ESL or high school equivalency classes
- Students registering on a space-available tuition waiver

To access online registration, you will need your Student Identification number (SID) and your Personal Identification Number (PIN).

Registration Times

For continuing and former students, use the MyWVC Portal to find out your registration time. You can also find hard copies of the list located at various points across campus. You may register at your assigned time or any time thereafter.

Note for former students: If you have not attended college for more than one quarter (excluding summer) you need to re-apply to WVC in order to have a new registration time activated for your account. Contact the admissions/registration office if you have questions.

Registration times are normally established in the following manner: continuing students register first, along with former students who have submitted a new application. Times are based on the number of credits earned while at WVC.

New students have a registration time assigned to them once they have met with an educational planner.

Mail-in or walk-in students who want to take six or fewer credits and have not seen an adviser can register the day after continuing and former students.

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

Full-Time Student Status

The number of credits that you must attempt in a quarter to be considered a full-time student varies according to your student status (i.e., veteran, student athlete, financial aid recipient or international student). Consult with the admissions/registration office or financial aid office to see if you qualify as a full-time student.

The state of Washington sets 10 credits as the minimum for full-time tuition. For financial aid purposes, however, 12 credits is required for full-time status. Fifteen credits a quarter is a typical full-time class load. Professional/technical students, however, are often required to take more than 15 credits.

RADT 233 **13 credits**
Clinical Education III

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. Prerequisite: RADT 232.

RADT 234 **13 credits**
Clinical Education IV

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. Prerequisite: RADT 233.

RADT 241 **1 credit**
Radiographic Seminar I

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. Prerequisites: completion of first-year radiologic technology program.

RADT 242 **1 credit**
Radiographic Seminar II

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. Prerequisites: RADT 241.

RADT 243 **1 credit**
Radiographic Seminar III

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. Prerequisites: RADT 242.

RADT 244 **1 credit**
Radiographic Seminar IV

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. Prerequisites: RADT 243.

Reading**READ 100** **5 credits**
Technical Reading

Introduces reading skills needed in the technical workplace with emphasis on strategies using context clues, word elements, identifying main ideas and thesis, understanding and reading graphs, diagrams and charts, webbing, and outlining. Prerequisites: appropriate placement scores or at least a "C" (2.0) grade in ENGL 097.

Sociology**SOC& 101** **5 credits**
Introduction to 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.

SOC 110 **5 credits**
Introduction to Social Work

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. Prerequisites: SOC& 101 is recommended.

SOC 135 **5 credits**
Sociology of Women

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.

SOC 151 **5 credits**
Sociology of Race and Ethnic Groups

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. Prerequisites: SOC& 101 is recommended.

SOC& 201 **5 credits**
Social Problems

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.

SOC 203 **5 credits**
Sociology of Sport

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.

SOC 225 **5 credits**
Sociology of Family

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. Prerequisites: SOC& 101 is recommended.

High School Programs

WVC offers several program options for high school students.

Running Start

Running Start is an educational partnership between WVC and the high schools. Running Start was created by the Washington State Legislature to expand educational options for high school students. **Running Start students may have to pay for some credits depending on their course load. See the Running Start website for details, www.wvc.edu/runningstart.**

Note: WVC recommends that those students entering the Running Start program use the application form designed for this program. The online application process does not have a way to designate you as a Running Start student and applying online could cause a delay in processing your application.

College in the High School

High school juniors and seniors who qualify for college-level writing, reading or math on the placement test may be eligible to participate in the WVC College in the High School program (CHS). Qualified faculty members at local high schools teach CHS classes (the availability of classes varies by location). Community members may also be able to enroll in CHS classes. To be eligible and enrolled in the CHS program, you 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. If you are a high school student, ask your school counselor about these courses.

Tech Prep

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 to the college programs. They determined that certain high school classes in those programs meet the requirements of comparable college courses. Through the Tech Prep program, articulation has been arranged between those classes so that students can receive both high school credit and WVC credit at the same time. Ask your high school teachers or counselors about Tech Prep courses. For more information, visit www.wvc.edu/techprep.

The following guidelines apply:

- Tech Prep credit is first transcribed at the high school, then later entered on the college transcript.
- The number of credits awarded is dependent upon the high school Tech Prep articulation program.
- A one-time \$15 fee will be charged for Tech Prep credits.
- Tech Prep 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 - SHB 1758

SHB 1758 provides that individuals who enroll in a community or technical college and complete an associate degree at WVC can be awarded a high school diploma from the college, including students enrolled in Running Start.

The following guidelines apply:

- Students currently enrolled through Running Start who complete an associate degree.
- A student, 21 years or older, who completes an associate degree.
- Students under 21 years of age who have previously been enrolled as Running Start students and have completed an associate degree after July 26, 2009.

Any type of associate degree (academic, vocational or academic 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. If a former Running Start student received the degree before July 26, 2009, the student must wait until he/she is 21 years of age to request a diploma.

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

Psychology

PSYC& 100 **5 credits** **General Psychology**

This course offers an overview of psychology as a scientific study. Both theories and research findings concerning all major branches of psychology including neuroscience, health psychology, social psychology, psychopathology and therapy, personality, cognitive, and developmental will be examined. Application of and critical thinking about psychology concepts will be emphasized. Prerequisite: college-level reading and study skills.

PSYC 102 **5 credits** **Psychology of Adjustment**

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.

PSYC& 200 **5 credits** **Lifespan Psychology**

An examination of the developmental changes occurring throughout the entire life span: conception to death. Particularly emphasized are physical, emotional, cognitive, moral and social development, and application of theories and knowledge to real world applications. Various theories of development will be examined. Prerequisite: PSYC& 100.

PSYC 205 **5 credits** **Human Sexuality**

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. Prerequisites: college-level reading and study skills, PSYC& 100.

PSYC& 220 **5 credits** **Abnormal Psychology**

Introduction to psychopathology and abnormal behavior. Theories, major diagnostic categories, and issues and ethics in diagnosis and treatment will be emphasized. Prerequisites: PSYC& 100.

PSYC 245 **5 credits** **Social Psychology**

A theoretical and practical study of the social influence that helps determine human behavior. 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. Prerequisite: PSYC& 100.

Radiologic Technology

RADT 101 **2 credits** **Introduction to 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, professional organizations, elements of ethical behavior and medicolegal considerations, professional organizations and regulatory agencies. Prerequisites: enrollment in the radiologic technology program or RADT program coordinator permission.

RADT 105 **1 credit** **RADT Success I**

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. Prerequisites: enrollment in the RADT program.

RADT 106 **1 credit** **RADT Success II**

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. Prerequisites: enrollment in the RADT program.

RADT 107 **1 credit** **RADT Success III**

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. Prerequisites: enrollment in the RADT program.

RADT 111 **5 credits** **Radiation Physics**

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. Prerequisites: enrollment in the radiologic technology program.

RADT 121 **3 credits** **Principles of Exposure I**

An introduction to the basics of radiation protection and an orientation to radiographic equipment. A detailed analysis of principles related to radiographic image formation and acquisition using film screen and digital based image receptors. Image evaluation and laboratory experiments reinforce theoretical principles. Prerequisites: enrollment in the RADT program.

RADT 122 **3 credits** **Principles of Exposure II**

A continuation of RADT 121 and analysis of digital imaging principles, equipment, PACS, density/brightness and contrast.

at www.wvc.edu/directory/departments/registration/ntcredit.asp. The following guidelines apply:

- Not all courses are available for challenge and not all departments offer challenge exams.
- At least 15 credits must be completed at WVC before course challenge credit will be transcribed.
- Students are not allowed to take an examination for 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.
- Challenge credit is disallowed if credit has been earned for a more advanced course.
- Challenge credit is ungraded and will not affect the GPA.
- A maximum of 15 credits of challenge work may be applied toward a WVC degree.
- A maximum of ten challenge credits can be earned in a distribution area.
- No more than five 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.
- A \$25 application fee is charged plus \$10 for each credit attempted.

Military Education and Experience

The Armed Forces of the United States provide military personnel with a great variety of educational opportunities through formal service school training programs and off-duty educational activities. WVC follows the American Council on Education (ACE) "Guide to the Evaluation of Education Experiences in the Armed Services" when awarding credit for military experiences. The following guidelines apply:

- At least 15 credits must be earned at WVC before military credit is transcribed.
- The maximum award for PLA credit is 15 credits of challenge work, plus an additional 15 credits from all other types of PLA work combined.
- Credit is given only for experiences which have equivalent courses taught at WVC; the amount of credit awarded cannot exceed the amount which could be earned by taking the courses at WVC.
- Military exams may not be repeated for additional credit.
- Credit for military experience will not affect the GPA.
- Military experience for baccalaureate credit is not accepted at WVC.
- Check with your adviser and any intended transfer school before paying to transcript military credit.

The following PLA credit opportunities may be offered in the future:

DANTES Subject Test (DSST)

Credits from Defense Activity for Non-Traditional Education Support Subjects Standardized Test (DSST) examination program offered by Educational Testing Services are accepted. There are 50 subject-standardized tests covering a wide range of college-level academic, business and technical subjects.

Industry Certification and Licensures

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

International Baccalaureate (IB)

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

available. Prerequisites: orientation. Doctor's permission or physical within last year recommended for students age 40 or older.

Physical Education - Lecture Courses

PEH 180 **Personal Wellness** 3 credits

Creating a lifestyle that promotes personal health and well-being. Includes wellness concepts and theory with special emphasis on stress management and relaxation training, nutrition and fitness, addictive behaviors, human sexuality, and the ability to analyze the validity of health news and information sources.

PEH 181 **Health and Wellness** 5 credits

Online course emphasizing the relationship between course content and lifestyle choices. Includes physical fitness, nutrition, weight management, stress and emotional health, chemical use and abuse, communicable and noncommunicable disease, health-smart consumerism, the health-care system, aging, death and dying, and environmental health issues.

PEH 182 **1st Aid-Responding to Emergencies** 5 credits

Covers advanced first aid and emergency care procedures, including American Red Cross requirements for certification cards. Lecture and hands-on training including CPR/AED, splinting, bandaging and dealing with sudden illness or injury to the body. Includes Basic Life Support for Health-Care Providers.

PEH 189 **Athletic Training Practicum I** 1 credit

Provide 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. PEH 189 is intended for the first-year student athletic trainer. This course can be repeated for credit for working different sports seasons. Prerequisites: PEH 287, or high school sports medicine experience (instructor signature needed for HS option).

PEH 283 **Sports Nutrition** 3 credits

Define the basic nutritional needs of the human body and how to achieve them for optimum health. Nutrition considerations for sports and exercise will be examined in depth.

PEH 284 **Foundations of Fitness** 3 credits

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.

PEH 285 **Introduction to Physical Education & Sport** 3 credits

Designed to provide an introduction to physical education as a profession. This course serves as an introduction to all fields of physical education including teaching, coaching, sports and fitness management, athletic training/sports medicine, and various others.

PEH 286 **Exercise Physiology** 5 credits

Investigates the relationship between physical activity and physiological processes. Emphasis will be placed on the body's adaptation to strength training, cardiovascular endurance and neurological adaptations.

PEH 287 **Athletic Training** 5 credits

An introductory course to the field of athletic training. Will introduce prevention and care of athletic injuries and illnesses. Emphasis is placed on managing and preventing injuries common to an active lifestyle, including acute and overuse injuries.

PEH 288 **Anatomical Kinesiology** 5 credits

Study of the musculoskeletal structure of the living human body, bones and their articulation, segments and their movements, muscles and their attachments and actions, and systemic nerves and their innervations and function. Special emphasis is placed on musculoskeletal analysis of basic exercises and movement patterns.

PEH 289 **Athletic Training Practicum II** 2 credits

Provide a practical application of athletic training knowledge and skills in the training room setting. Students will assist the ATC in serving the student athletic athletes for WVC men's and women's athletic teams. PEH 289 is intended for the advanced student athletic trainer. This course can be repeated for credit for working different sports seasons. Prerequisites: PEH 287 and instructor's signature only.

Physical Education – Recreation

PEHR 190 **Winter Fitness, Safety and Recreation** 5 credits

Designed to introduce lifetime winter recreation opportunities in NCW. Introduction to winter fitness, survival, orienteering in snowy terrain and avalanche awareness. Winter activities include snowshoeing, telemark and randonee skiing, snowboarding and downhill skiing, and cross country skiing (classic, skating and downcountry). Students are responsible for their own equipment. Prerequisites: orientation; doctor's permission or physical within last year recommended for students age 40 and older.

PEHR 191 **Spring Fitness, Safety and Recreation** 5 credits

Designed to introduce lifetime spring recreation opportunities in NCW. Introduction to spring fitness, survival, safety, safe use and maintenance of equipment and orienteering in terrestrial environments. Spring activities include: mountain biking, bike touring, spring hiking, backpacking, beginning climbing, and plant and animal community appreciation. Students responsible for their own equipment. Prerequisites: orientation; doctor's permission or physical within last year recommended for students age 40 and older.

PEHR 192 **Summer Fitness, Safety, Recreation** 5 credits

Designed to introduce lifetime summer recreation opportunities in NCW. Introduction to summer fitness, survival, safety, navigation, and safe use and maintenance of equipment in aquatic

your willingness to be involved. As a student, it is your 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 student plan and bring that to the quarterly advising meeting with your adviser.
- Know what placement tests have been taken and include the results in the student plan.
- Know deadlines and dates as they pertain to advising, registration and graduation.
- Learn the transfer entrance requirements at potential transfer institutions.
- Set and keep quarterly advising appointments with your faculty adviser.

Paying for College

Tuition and Fees

All fees may be changed 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 and Fees in the Site Index on the college website, www.wvc.edu, or by contacting the WVC Business Office at 509.682.6500 (Wenatchee) or 509.422.7803 (Omak). Typical tuition and fees for a resident student in fall 2014 for 15 credits were \$1,368.

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 supercede, when you withdraw from college or class(es). You should apply for any refund through the admissions 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

Withdrawal on or before the fifth business day of the quarter.

50% refund (fall, winter, spring quarters)

Withdrawal after the fifth day and through the 20th business day of the quarter.

50% refund (summer quarter)

Withdrawal through the 16th business day for summer quarter only.

100% refund

Classes or programs cancelled by WVC.

100% refund

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 days

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

PHIL 210 **5 credits**
Philosophy of Religion
 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.

PHIL 211 **5 credits**
Introduction to Ethics
 Survey of the ethical perspectives of various philosophers in the context of current ethical issues. How our ideas about freedom, responsibility and values have an impact on ethical and moral decisions. Students are encouraged to develop their own ethical thinking.

PHIL 275 **5 credits**
Comparative World Religions
 Survey of major world religions, focusing on the Egyptian, Hebrew, Indian, Japanese and Chinese religions. Other religions are considered as time permits.

Physical Education - Activity Courses

PEH 101 **1 credit**
Total Conditioning: Zumba/Body Blast
 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. Nutrition and diet programs addressed. Prescriptive and descriptive fitness testing administered. Prerequisites: doctor's permission or physical within last year recommended for students age 40 and older.

PEH 102 **2 credits**
Total Conditioning: Zumba/Body Blast
 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. Nutrition and diet programs addressed. Prescriptive and descriptive fitness testing administered. Prerequisites: doctor's permission or physical within last year recommended for students age 40 and older.

PEH 103 **1 credit**
Body Conditioning: Weight Training
 Focuses on two areas: basic weight training for learning the proper techniques and safety, and power weight training for students to continue a regular lifting program. Provides an opportunity for rehabilitation of injuries. Prerequisite: orientation.

PEH 104 **2 credits**
Body Conditioning: Weight Training
 Focuses on two areas: basic weight training for learning the proper techniques and safety, and power weight training for students to continue regular lifting programs. Provides an opportunity for rehabilitation of injuries. Prerequisites: orientation.

PEH 112 **1 credit**
Functional Movement Training for the Athlete
 Designed as an off-season functional conditioning class for WVC athletes. Course focus will be dictated by the demands of the individual sports.

PEH 113 **2 credits**
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 Designed as an off-season functional conditioning class for WVC athletes. Course focus will be dictated by the demands of the individual sports.

PEH 114 **1 credit**
Bowling
 Basic skills and techniques to help provide enjoyment and satisfaction, whether participating on a recreational or more competitive level.

PEH 115 **1 credit**
Court Sports
 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.

PEH 116 **2 credits**
Court Sports
 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.

PEH 118 **1 credit**
Beginning Karate
 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.

PEH 119 **1 credit**
Tai Chi
 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.

PEH 120 **1 credit**
Beginning Fencing
 Designed to introduce the basic skills of fencing. Learn footwork, offensive and defensive moves to be utilized in fencing bouts.

PEH 121 **1 credit**
Pilates
 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.

PEH 122 **1 credit**
Yoga
 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.

PEH 123 **2 credits**
Yoga/Pilates
 A unique blend of yoga and Pilates designed for students of all fitness levels. Gain balance, flexibility, strength, endurance and

Financial aid staff members are available at the Wenatchee and Omak campuses during normal business hours Monday through Thursday. You may contact the financial aid office by e-mail at financialaid@wvc.edu or call 509.682.6810 (Wenatchee) or 509.422.7803 (Omak). The fax number for the Wenatchee office is 509.682.6811. If you are unable to contact the financial aid office during normal business hours, you may request an evening appointment, Monday through Thursday, by calling the office.

Veterans

If you are a veteran or have served in the military and are seeking eligibility for benefits, contact the WVC Veterans Coordinator on the Wenatchee campus at 509.682.6817.

WVC programs are approved for benefits under the following Veterans Administration regulations: CH33 Post 9/11 GI Bill, CH33 Post 9/11 GI Bill Transfer of Entitlement to Dependents (TEB), CH30 Montgomery Bill-Activity Duty (MGIB-AD), CH1606 Montgomery Bill-Selected Reserve (MGIB-SR), CH1607 Reserve Educational Assistance Program (REAP), CH32 Veterans Educational Assistance Program (VEAP), CH35 Survivors and Dependents Educational Assistance Program (DEA), National Call to Service Program, Veterans Retraining Assistance Program (VRAP) and CH31 Vocational Rehabilitation and Employment Program (VR&E).

If using benefits, class schedules must be submitted to the veterans coordinator each quarter. Additional guidelines and requirements for accessing and using benefits can be found on the WVC Veterans website at www.wvc.edu. Select "Veterans" from the QuickJump menu. Reduced tuition and fee waivers are available for eligible veterans, military service members and dependents.

Residency Requirements

Residency Requirements for Tuition Paying Purposes

To be classified as a Washington resident for educational purposes and to qualify for resident tuition rates, you are required by state law to be either:

1. Financially Independent Student:
Have established a bona fide domicile in the state of Washington primarily for purposes other than education for a period of one year immediately before the first day of the quarter for which you have registered at any institution and be financially independent.

OR

2. Financially Dependent Student:
Be a dependent student with one or both of your parents or legal guardians having maintained a bona fide domicile in the state of Washington for at least one year immediately before the first day of the quarter for which you have registered at any institution.

OR

3. Active Duty Military and Washington National Guard: active duty military stationed in Washington, your spouse and dependents; Washington National Guard members; and spouse or dependent of National Guard if residence is in Washington, are eligible to pay resident tuition. Must submit copy of orders to Washington and military ID.

OR

4. A student who is on active duty or a member of the National Guard who entered service as a Washington resident and has maintained Washington as their domicile but is not stationed in the state; a student who is a spouse or a dependent of a person who is on active duty or a member of the National Guard who entered service as a Washington resident and has maintained Washington as their domicile but is not stationed in the state; a student who has separated from the military under honorable conditions after at least two years of service, enters an institution of higher education in Washington within one year of the date of separation, and meets criteria regarding a connection or intended connection to Washington (veteran must list Washington as home of record on DD214 paperwork); a student who is the spouse or a dependent of an individual who has separated from the military under honorable conditions after at least two years of service, and meets certain criteria regarding a connection or intended connections to Washington (veteran must indicate Washington as home of record on DD214 and has taken other steps to establish residency on a driver's license, vehicle registration, voting card, etc.).

If a veteran separates from the military under honorable conditions, moves to Washington and establishes a domicile as outlined in RCW 28B.15.013, and enters an institution of higher education in Washington within one year of the date of separation, then they as of that date of establishing Washington as their official domicile may be considered a resident for tuition purposes.

To apply for residency reclassification, you must submit the residency questionnaire and provide the required documentation to admissions/registration. Residency questionnaires are available online or at the admissions/registration office.

Proof of residency is your responsibility. Reclassification will take place in the quarter the change is approved, provided the updated residency questionnaire is submitted within 30 calendar days following the first day of the quarter. Acceptable evidence of Washington state residency for one year before enrollment can include:

- Valid Washington state driver's license
- Voter registration card
- Washington registration of motor vehicles
- Purchase of property in Washington

problems. Clinical experiences with 1-2 patients each week coupled with simulation experiences will assist students in the development of evidenced based clinical decision-making skills to promote optimal patient outcomes. Prerequisites: acceptance into WVC Nursing Program; concurrent enrollment in NURS 103 and PCOL 103.

NURS 104 **6 credits**
Nursing Concepts III: NURS 104

This course focuses on the medical-surgical management of patients with acute and chronic pathological processes throughout the lifespan and builds on Nursing Concepts I and II. Application of mental health; promotion, maintenance and restoration of health will be introduced. NURS 104L is the clinical/lab portion of the course. Prerequisites: acceptance into WVC Nursing Program; concurrent enrollment in NURS 104L and PCOL 104.

NURS 104L **6 credits**
Nursing 104L Nursing Concepts III Practice Lab

This course is the clinical component for Nursing 104: Nursing Concepts III. Clinical experiences include applications of mental health concepts in the state hospital clinical site. Collaboration and delegation concepts are applied in the acute care or long-term care setting where students care for a minimum of 2 patients. Prerequisites: acceptance into WVC Nursing Program; concurrent enrollment in NURS 104 and PCOL 104.

NURS 112 **2 credits**
Nursing Success

Designed to integrate study skills and nursing knowledge. Students will learn to use knowledge of their personal learning style to adapt lecture information, reading assignments and methods of study. Includes how to improve academic performance using a variety of resources, practice and application of the nursing process. Prerequisites: concurrent enrollment in NURS 101/101L.

NURS 113 **1 credit**
Nursing Success

Designed to integrate hands-on clinical practice and nursing knowledge. Includes how to improve academic and clinical performance using a variety of resources, practice and application of the nursing process. Prerequisite: concurrent enrollment in NURS 102.

NURS 114 **1 credit**
Nursing Success

Designed to integrate hands-on clinical practice and nursing knowledge. Includes how to improve academic and clinical performance using a variety of resources, practice and application of the nursing process. Prerequisites: concurrent enrollment in NURS 104/104L.

NURS 190 **6 credits**
LPN Transition

For Licensed Practical Nurses (LPN's) seeking to enter the second-year of the WVC nursing program. Focuses on relevant issues in the transition from the LPN to the RN role and identification of personal learning strategies that promote success in the nursing program and clinical proficiencies. Students who succeed in course will be allowed into second-year of the WVC nursing program. Pass/fail course. Prerequisites: Current licensure in Washington state as a Licensed Practical Nurse (LPN), in good standing. Permission of nursing director.

NURS 201 **6 credits**
Advanced Concepts I

This course focuses on management of patients with common acute and chronic pathological processes across the lifespan. This course will also introduce principles of nursing leadership and provide an opportunity for the student to explore the transition from student to LPN and to RN. NURS 201L is the clinical/lab portion of the course. Prerequisites: acceptance into WVC Nursing Program; concurrent enrollment in NURS 201L.

NURS 201L **6 credits**
Advanced Nursing Concepts I Practice Lab

This course will utilize informational technology to collect and synthesize data when making safe and optimal clinical judgments. Clinical experience in acute care setting with 2-3 patients each week coupled with clinical simulation allows the student to apply concepts from previous courses. Prerequisites: acceptance into WVC Nursing Program; concurrent enrollment in NURS 201.

NURS 202 **6 credits**
Advanced Nursing Concepts II

This course focuses on the collaborative management of patients with common acute and chronic pathological processes across the lifespan and builds upon Advanced Concepts I. This course will also introduce principles of Therapeutic Nutrition to be applied to patient care across the lifespan to promote optimal patient outcomes. NURS 202L is the clinical/lab portion of the course. Prerequisites: acceptance into WVC Nursing Program; concurrent enrollment in NURS 202L.

NURS 202L **6 credits**
Advanced Nursing Concepts II Practice Lab

This course provides clinical experience in advanced medical surgical nursing. Application of these concepts will continue in both the simulation laboratory and the clinical setting which may include community health and acute care settings. Students will have the opportunity to participate in health teaching and learning activities. Prerequisites: acceptance into WVC Nursing Program; concurrent enrollment in NURS 202.

NURS 203 **6 credits**
Advanced Concepts III

This course focuses on nursing management of patients with complex, multi-system acute and chronic processes throughout the lifespan. Students will use their knowledge of growth and development concepts to adapt care from birth to death. Health-care concepts in the community setting will be introduced. NURS 203L is the clinical/lab portion of the course. Prerequisites: acceptance into WVC Nursing Program; concurrent enrollment in NURS 203L.

NURS 203L **6 credits**
Advanced Nursing Concepts III Practice Lab

This course focuses on nursing management of patients with complex, multi-system acute and chronic pathological processes throughout the lifespan. Students collaborate with the health-care team to provide compassionate care and facilitate optimal patient and organizational outcomes. Preceptor experiences are awarded in acute care, community health or long-term care. Prerequisites: acceptance into WVC Nursing Program; concurrent enrollment in NURS 203.

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
- Quarters of attendance (including current enrollment)
- Degrees and awards received
- Extracurricular activities, height/weight of athletic team members, awards received, most recent previous educational agency or institution attended.

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, you can request that the institution not release any directory information about you. Institutions must comply with this request, once received, if you are still enrolled.

If you wish to restrict directory information, you should realize that your 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 your directory

information and will be informed that we have no information available about such a person at WVC.

If you wish to block the release of your directory information, you 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. You must provide WVC with a new authorization form each year you are enrolled if you wish to continue the block on your directory information.

Students Rights Under FERPA

FERPA affords you certain rights with respect to your education records. They are as follows:

- The right to inspect and review your record within 45 days of the date that your request for access is received. Submit your written request to the registrar, identifying the record you wish to inspect. The registrar will make arrangements for access and notify you of the time and place where the record may be inspected. If the registrar does not maintain the record you wish to inspect or review, you will be advised of the correct official to whom the request should be addressed.
- The right to inspect the contents of your student folder, regardless of your financial status with the institution. However, an institution is NOT REQUIRED to release an official transcript if you have a past debt to the college.
- The right to request an amendment of your educational record if you believe it is inaccurate or misleading. You may ask WVC to amend a record that you believe is inaccurate or misleading. 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, you will be notified of the decision in writing and advised of your right to a hearing to consider the request for amendment. Additional information regarding the hearing procedure will be provided to you when notified of the right to a hearing.
- The right to consent to disclosure of personally identifiable information contained in your education record, except to the extent that FERPA authorizes disclosure without consent. This refers to your right to allow others access to all or part of your educational record that would normally not be allowed under FERPA. You can specify who is to receive the information and what portions of your educational record WVC is authorized to release. This authorization would remain in effect until you notify the admissions/registration office.
- The right to file a complaint with the U.S. Department

Students will further their abilities in the language. Prerequisite: NAL 102 or instructor's signature.

NAL 111 **5 credits**
Native American Language I: nimipu

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.

NAL 112 **5 credits**
Native American Language II: nimipu

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. Prerequisites: NAL 111 or instructor's signature.

NAL 113 **5 credits**
Native American Language III: nimipu

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. Prerequisite: NAL 112 or instructor's signature.

NAL 121 **5 credits**
Native American Language I: nxa?amxcin

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.

NAL 122 **5 credits**
Native American Language II: nxa?amxcin

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. Prerequisite: NAL 121 or instructor's signature.

NAL 123 **5 credits**
Native American Language III: nxa?amxcin

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. Prerequisite: NAL 122 or instructor's signature.

NAL 204 **5 credits**
Native American Language IV: nselxcin

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. Prerequisite: NAL 103 or instructor's signature.

NAL 205 **5 credits**
Native American Language V: nselxcin

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. Prerequisite: NAL 204 or instructor's signature.

NAL 206 **5 credits**
Native American Language VI: nselxcin

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. Prerequisite: NAL 205 or instructor's signature.

NAL 214 **5 credits**
Native American Language IV: nimipu

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. Prerequisite: NAL 113 or instructor's signature.

NAL 215 **5 credits**
Native American Language V: nimipu

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. Prerequisite: NAL 214 or instructor's signature.

NAL 216 **5 credits**
Native American Language VI: nimipu

Continuation of NAL 215. Instruction is in nimipu, the language spoken by the Nez Perce and Palouse tribes of the Colville Reservation. Cultural topics are discussed in depth. Prerequisite: NAL 215 or instructor's signature.

NAL 224 **5 credits**
Native American Language IV: nxa?amxcin

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. Prerequisite: NAL 123 or instructor's signature.

NAL 225 **5 credits**
Native American Language V: nxa?amxcin

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. Prerequisite: NAL 224 or instructor's signature.

NAL 226 **5 credits**
Native American Language VI: nxa?amxcin

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. Prerequisite: NAL 225 or instructor's signature.

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.”

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.

Grade Change

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

Work in Progress

The “Y” designation indicates that you are registered in an ongoing class. It may be used where the pace of work is largely dependent on you in courses such as independent project classes or open laboratory/clinic classes. If you do not complete the class within one year, you must re-enroll if you want credit.

Withdrawal

A “W” designation indicates that you have dropped a class. The last day of each quarter to withdraw from classes is specified on the official Academic Calendar. Complete information on withdrawing from a class is available in the admissions/registration office.

Instructors have the authority to administratively withdraw a student who does not attend class during the first two days that the class meets. You are responsible for withdrawing from classes. Failure to formally withdraw from class will normally result in a failing grade. You can withdraw through the Registration function on the MyWVC Portal. You 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 handscripted,

OR;

You may receive an “I” or “Y” with approval from the instructor(s) and no refund will be made or the chief student services officer may grant a degree prior to induction into the armed forces. No refund will be made.

Audit

The “N” designation indicates that you have elected to take a class with the understanding that no credit will be earned and no grade given. If you choose to audit a class you 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. You 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

The “I” designation indicates that you have been granted extra time by the instructor to complete required course work. Terms of completion are specified in a contract signed by you and the instructor. It is your responsibility to initiate this contract. Contract forms are available in the admissions/registration office. The maximum length of a contract is two quarters, excluding summer. An “I” grade is changed to an “F” if the terms of the contract are not met within the time specified.

Pass/No Pass

The “P” or “NP” designation may be given in developmental classes. A “C” grade or higher earns a “pass”; anything lower earns a grade of “no pass.”

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 this state Retention Schedule.

Setting Aside of Low Grades for GPA Calculations

This provision permits you to remove poor academic records that no longer reflect your current academic performance. Only petitions to set aside all grades in a particular quarter will be considered. This option is not available for singular courses within a quarter. Grades that are set aside are not removed from your transcript. Rather, an “*” notation is placed next to the grade which indicates that the course will no longer be used when calculating a new cumulative grade point average. Credits that are set aside cannot be used to fulfill any requirements for graduation. Please note that federal financial aid regulations do not recognize grade “set- asides.” You may only petition for a set-aside provision twice during your time at WVC. You may petition to set aside a quarter which has at least one grade that is a “C-” or lower OR where the quarterly GPA is below 2.0.

MUSC& 132
Music Theory 2**3 credits**

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 analysis techniques. Prerequisites: MUS 106 or MUSC& 131 or instructor's signature. Must be taken concurrently with MUSC& 122.

MUSC& 133
Music Theory 3**3 credits**

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. Prerequisites: MUS 107 or MUSC& 132 or instructor's signature. Must be taken concurrently with MUSC&123.

MUS 145
Brass Class Instruction**1 credit**

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. Prerequisites: Students should have prior instrument experience. Knowledge of notation and rhythm required or concurrent enrollment in MUS& 100.

MUS 146
Woodwind (single reed) Class Instruction**1 credit**

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. Prerequisites: students should have prior instrument experience. Knowledge of notation and rhythm required or concurrent enrollment in MUS& 100.

MUS 161
Community Chorus**1 credit**

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.

MUS 170
WVC Chamber Choir**2 credits**

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. Prerequisites: previous vocal/choral experience or instructor approval.

MUS 172
WVC Vocal Jazz Ensemble**2 credits**

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. Prerequisites: previous vocal/choral experience or instructor approval. Concurrent enrollment in MUS 170 or MUS 270 is required.

MUS 173
Mariachi Music**2 credits**

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. Maybe repeated for credit. Prerequisites: instructor's signature, students must be playing mariachi at an intermediate level on their instrument.

MUS 174
Jazz Ensemble**1-2 credits**

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. Prerequisites: prior instrumental and ensemble proficiency required. Instructor's permission.

MUS 175
Instrumental Ensemble**1-2 credits**

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. Prerequisites: previous performing experience and a minimum of intermediate-level technical proficiency required. Instructor's permission. Audition may be required.

MUS 177
Guitar Orchestra**1-2 credits**

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. Prerequisites: previous performing experience and a minimum of intermediate-level technical proficiency recommended. Instructor's permission. Audition may be required.

MUS 210
Individual Voice Instruction**1 credit**

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. Prerequisites: instructor's signature. MUS 110 (a student must demonstrate superior competency and knowledge of specific literature and pedagogy during MUS 110 to be allowed to enroll in MUS 210).

MUS 211
Individual Piano Instruction**1 credit**

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. Prerequisites: instructor's signature. MUS 111 (a student must demonstrate superior competency and knowledge of specific literature and pedagogy during MUS 111 to be allowed to enroll in MUS 211).

1. Submit a completed petition for readmission form to the student services office.
2. Complete a readmission interview with a counselor. During the interview, you should be prepared to:
 - Identify the reasons for poor academic performance.
 - Present a plan for eliminating the factors contributing to poor academic performance.
 - Review your 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 you stop attending WVC while on Academic Warning, Probation or Suspension status, you will remain at that level for a period of at least three years (or 12 academic quarters). If during that time you have not returned to WVC, your student records will be updated to remove you from your previous academic deficiency status.

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 previous quarters
- Substitution of graduation requirements
- Taking more than 18 credits in one quarter

After reviewing the petition, the registrar will either 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 services officer or designee. More information on disruptive behavior

and the WVC Discipline Code is detailed in the student handbook that is available through the student programs office and online at www.wvc.edu.

Transcripts

Official Transcript

An official transcript is a copy of your permanent academic record. It is signed by the registrar. Your transcript will be released only on your written request, accompanied by your signature.

The Transcript Request form is available in the admissions/registration office or it can be downloaded from the WVC website. When requesting a transcript, please complete all lines on the form, include either your WVC SID number or your social security number, and be sure to sign the form. We cannot process your request without your signature. An incomplete form may be returned and can delay processing your request.

The transcript may be withheld if you have not met all financial obligations to WVC. Picture ID is required if you are picking up your transcript at the admissions/registration office.

Transcripts cannot be released to a third party unless we have written permission from you. For more information, please call 509.682.6836.

Unofficial Transcripts

You can access your unofficial transcript through the MyWVC Portal. You will need your SID and PIN to get this information. This is the way you would view your grades received at WVC.

Transcript Evaluations

You may request an evaluation of your transcripts at any time. It is important to do so to verify how far along you are to earning your degree or certificate and what classes you have left to take. To request an evaluation, complete the evaluation request form and return it to the admissions/registration office. Please be sure to include your SID or social security number on the form and remember to sign it. We can't process the request without your signature.

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 you have attended another college, it is important to have had official copies of those transcripts sent to WVC before requesting an evaluation.

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

Student services will process evaluations for academic degrees only (both transfer and non-transfer). Evaluations

Medical Laboratory Technology

MLT 100 **1 credit**
Introduction to Medical Laboratory Technology
 Introduction to the field of medical laboratory technology with a focus on general topics related working in clinical laboratories. For students interested in exploring employment opportunities in medical laboratories.

MLT 102 **1 credit**
Phlebotomy
 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. Prerequisites: MLT 100.

MLT 150 **4 credits**
Basic Lab Theory
 Introduction to the fundamental theories of laboratory practice and safety, including studies in hematology microbiology, clinical chemistry, serology, blood banking, urinalysis and venipuncture. Prerequisites: acceptance into the MLT program, MLT 102 and concurrent enrollment in MLT 151.

MLT 151 **3 credits**
Basic Lab Practice
 Introduction to the fundamental skills and procedures necessary in the clinical laboratory, including all of the practical laboratory tasks associated with the topics listed for MLT 150. Prerequisites: acceptance into the medical laboratory technology program, MLT 102 and concurrent enrollment in MLT 150.

MLT 210 **12 credits**
Clinical Experience I
 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. Prerequisites: MLT 150 and 151, or equivalent.

MLT 213 **7 credits**
Hematology
 In-depth training in the practical and theoretical subjects associated with hematology, hemostasis, immunology, serology and immunohematology. Prerequisites: BIOL& 242 and concurrent enrollment in MLT 210 and MLT 214.

MLT 214 **3 credits**
Hematology Lab
 Basic techniques of blood cell recognition and enumeration; typical serological and blood banking procedures are practiced. Blood coagulation studies practiced with results correlated to diagnosis of diseases of the blood. Prerequisites: MLT 151 and concurrent enrollment in MLT 213.

MLT 220 **12 credits**
Clinical Experience II
 Continuing 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. Prerequisites: MLT 210 and concurrent enrollment in MLT 223.

MLT 223 **7 credits**
Clinical Microbiology
 In-depth training in the practical and theoretical subjects associated with clinical bacteriology, parasitology, mycology and virology. Prerequisites: BIOL& 260 and concurrent enrollment in MLT 220 and MLT 224.

MLT 224 **3 credits**
Clinical Microbiology Lab
 Fundamental practice of diagnostic medical bacteriology, parasitology and mycology with simulated clinical specimens evaluated and the offending microbe identified. Prerequisites: BIOL& 260 and concurrent enrollment in MLT 223.

MLT 230 **12 credits**
Clinical Experience III
 Continuing practical on-the-job training in different departments. Rotation through the laboratory, practicing test performance under direct supervision of the laboratory's technologists or technicians. Prerequisites: MLT 220 and concurrent enrollment in MLT 233.

MLT 233 **7 credits**
Clinical Chemistry and Urinalysis
 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. Prerequisites: CHEM& 131, BIOL& 242 and concurrent enrollment in MLT 230 and MLT 234.

MLT 234 **3 credits**
Clinical Chemistry Lab
 Practice of chemical analysis and urinalysis procedures in wide use in the medical laboratory, using visual methods, spectrophotometry, potentiometry, reflectance spectrophotometry and kinetic assays. Prerequisites: CHEM&131 and concurrent enrollment in MLT 233.

MLT 240 **12 credits**
Clinical Experience IV
 Continuing 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. Prerequisites: MLT 230.

Meteorology

METR 110 **5 credits**
Earth's Changing Climate
 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.

METR 210 **5 credits**
Introduction to Weather and Climate
 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

General Information

Student Services

Information about Wenatchee Valley College services available to you can be found on our website, www.wvc.edu. Web pages on the following topics can be accessed through the Site Index (pages listed alphabetically) and through various links throughout the site.

If you do not have access to our website or need personal assistance, student services staff members are available to help you.

- **Bookstores**

The bookstore on the Wenatchee campus is located in Van Tassell Center. On the Omak campus, you can purchase books at David Rodstol Inc. in downtown Omak. You may sell your textbooks back to the bookstore at the end of each quarter. The Wenatchee campus bookstore offers a book rental option for some classes. Phone: Wenatchee, 509.682.6530, or Omak, 509.826.5804.

- **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 Education and Career Planning team provides students with the tools and resources to successfully navigate the academic world. The career center in Wenatchi Hall offers a broad range of information and assistance for jobs/careers, education/training requirements, job hunting techniques, employment opportunities, internships, mentorships, work study, cooperative work experience and career assessments. Make an appointment in Wenatchee by calling 509.682.6858 or 509.682.6579, or drop in to the center. Call 509.422.7812 for the Omak campus.

- **Child Care**

Through a partnership between WVC and the Wenatchee School District, affordable child-care services are available at the WestSide Early Learning Center, located at 1521 Ninth Street. The program provides quality, licensed child care to children from one month through five years of age while you attend class, study and work. This program is supported by CCAMPIS (Child Care Access Means Parents in School) federal grant and

is accredited by the NAEYC (National Association for the Education of Young Children).
Phone: Wenatchee, 509.682.6633.

- **College Assistance Migrant Program (CAMP)**

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.

To learn about eligibility, services and the application process, visit www.wvc.edu/camp or call 509.682.6974.

- **Counseling**

WVC's professional counselors can help by providing a safe, confidential place where you can explore your concerns and discover new strengths, insights and ways of coping. Counseling services include academic counseling, readmission petitions, career counseling and personal counseling. Phone: Wenatchee, 509.682.6850, or Omak, 509.422.7814.

- **Disability Services/Special Populations**

If you are a student with documented disabilities who requires special accommodations or services, contact the special populations coordinator in Wenatchi Hall at 509.682.6854 in Wenatchee or 509.422.7812 in Omak. Disabilities phones are located in Van Tassell Center and Brown Library.

- **International Student Program**

Wenatchee Valley College encourages students from abroad to study on the Wenatchee campus. The international student coordinator helps students to achieve their academic goals and to solve problems that may arise during their stay in Wenatchee. The international student coordinator works closely with the multicultural affairs office and student programs to provide a well-rounded college experience for visiting students. Phone: 509.682.6864. Website: www.wvc.edu/international.

MATH& 107
Math in Society**5 credits**

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. Prerequisites: MATH 099 with a grade of "C" (2.0) or better or appropriate placement score.

MATH 140
Precalculus for Business and Social Sciences**5 credits**

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. Prerequisites: MATH 099 with a grade of "C" or better or appropriate placement score/criteria.

MATH& 141
Precalculus I**5 credits**

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. Prerequisites: MATH 099 with a "B" or better, MATH 140, or appropriate placement score.

MATH& 142
Precalculus II**5 credits**

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. Prerequisites: MATH 140 or MATH& 141 with a grade of "C" (2.0) or better or appropriate placement score.

MATH& 146
Introduction to Stats**5 credits**

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. Prerequisites: MATH 099 with a "C" (2.0) or better, or appropriate placement score.

MATH& 148
Business Calculus**5 credits**

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. Prerequisites: MATH 140 or MATH& 141 with "C" or better or appropriate placement score.

MATH& 151
Calculus I**5 credits**

Introduction to limits, derivatives, higher-order derivatives and implicit differentiation. Applications involving maximums and minimums, and related-rates. Analysis of graphs of functions. Prerequisites: MATH& 142 with a "C" (2.0) or better or appropriate placement score.

MATH& 152
Calculus II**5 credits**

Definite and indefinite integrals, techniques of integration. Application of the integral to areas, volumes and work problems. Derivatives and antiderivatives of the transcendental functions. Prerequisite: MATH& 151 with a "C" or better or appropriate placement score.

MATH& 153
Calculus III**5 credits**

More techniques and applications of integration. Parametric equations and polar coordinates, vectors and vector-valued functions, infinite series and sequences. Prerequisite: MATH& 152 with a grade of "C" (2.0) or better or appropriate placement score.

MATH& 171
Math for Elementary Educators I**5 credits**

First of three math courses intended for elementary educators. Topics include number theory, mathematical problem solving, real number systems, arithmetic operations and functions. Other topics related to math instruction at the Pre-K-8 level will be included. Hands-on activities are incorporated. Prerequisites: appropriate assessment score, or a grade of "C" (2.0) or higher in MATH 099 or a college-level math class. Evidence of competency in MATH 099 is required for this course to transfer.

MATH& 172
Math for Elementary Educators II**5 credits**

Second of three math courses intended for elementary educators. Topics include two dimensional geometric shapes and their properties, angle measures, areas and perimeters, three dimensional figures, geometric construction, similar triangles, graphing in the coordinate system, trigonometric functions and tessellations. Hands-on activities are incorporated. Prerequisites: MATH& 171 with a grade of "C" (2.0) or better.

MATH& 173
Math for Elementary Education III**5 credits**

Third of three math courses intended for elementary educators. Topics include arithmetic operations on real numbers as decimals and rational numbers; proportions; percents and their applications; probability; counting; data analysis and descriptive statistics. Hands-on activities are incorporated. Prerequisites: MATH& 171 with a grade of "C" (2.0) or better or instructor permission.

MATH 200
Finite Mathematics**5 credits**

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. Prerequisites: MATH 097 or MATH 099 with a grade of "C" (2.0) or better or appropriate placement score.

MATH 211
Linear Algebra**5 credits**

Studies matrices, determinants, systems of equations, vector spaces including row, column, null and nullspace of the transpose, 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

Majors Course Sequences

WVC offers several course sequences that help prepare students for transfer into specific majors at four-year schools. These courses are not programs and will not result in a degree or certificate; however, some of these courses are included in the associate of science-transfer degree and business transfer degree (see pages 34-35 and 36-37). If transferring to a four-year institution, students should verify the transferability of these course sequences at their desired institution.

For more information, review the course descriptions or contact your adviser.

Accounting

201, 202, 203: Principles of Accounting I, II, III

American Sign Language

121, 122: American Sign Language I, II

Art

110, 113, 222: Drawing I, II, Advanced
 111, 116, 117: Figure Drawing I, II, III
 130, 131: Graphic Design Technology I, II
 132, 133: 3D Digital Design 1, 2
 135, 234: Graphic Design I, II
 150, 151, 152, 250: Ceramics I, II, III, Advanced
 154, 155, 256: Sculpture 1, 2, Advanced
 210, 211, 212, 220: Painting I, II, III, Advanced
 217, 218, 219: Native American Beading I, II, III
 224, 225: Printmaking 1, Advanced

Biology

211, 212, 213: Majors Cellular, Plants, Animals
 211, 241, 242, 260: Majors Cellular, Anatomy and Physiology 1, Anatomy and Physiology 2, Microbiology (pre-nursing)

Chemistry

161, 162, 163: General Chemistry I, II, III
 261, 262, 263: Organic Chemistry I, II, III

Computer Science:

201, 202, 203: Programming Fundamentals, Intermediate Programming, Data Structure and Algorithms

Economics

201, 202: Micro Economics, Macro Economics

Engineering

102, 105, 106: Engineering Graphics and Design, Computer Aided Design, Advanced Computer Aided Design

English

101 and 201 *or* 202 *or* 203 *or* 235: Composition: General, Advanced Essay, Critical Analysis, Research, Technical Writing

German

121, 122, 123*: German I, II, III

History

116, 117, 118: Western Civilization I, II, III
 146, 147: American History I, II
 271, 274, 275: Eastern World History-Southeast Asia, Eastern World History-East Asia, Eastern World History-South Asia

Japanese

121, 122, 123, 221, 222, 223: Japanese I, II, III, IV, V, VI

Latin

101, 102, 103**: Latin I, II, III

Math

151, 152, 153, 211, 238, 254: Calculus I, II and III; Linear Algebra; Differential Equations; Calculus IV
 171, 172, 173: Math for Elementary Educators

Music

121, 122, 123, 131, 132, 133, 241, 243: Ear Training 1, 2 and 3; Music Theory 1, 2, 3, 4 and 5

Native Language (available on the Omak campus)

101, 102, 103, 204, 205, 206: Nselxcin I, II, III, IV, V, VI
 111, 112, 113, 214, 215, 216: Nimipu I, II, III, IV, V, VI
 121, 122, 123, 224, 225, 226: Nxa?amxcin I, II, III, IV, V, VI

Physics

114, 115, 116: General Physics I, II, III
 221, 222, 223: Engineering Physics I, II, III

Physical Education - Athletic Training

180, 182, 189 *or* 289, 286, 287, 288

Physical Education - Exercise Science

180, 182, 283, 284, 285, 287, 287, 288

Spanish

121, 122, 123, 221, 222, 223: Spanish I, II, III, IV, V, VI

Theater

165, 265: Acting I, II

* Offered in academic years beginning in an even number.

** Offered in academic years beginning in an odd number.

INDT 136 **3 credits**
Metal Fabrication II

Introduces 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. Prerequisites: INDT 135.

INDT 137 **3 credits**
Metal Fabrication III Sheet Metal

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. Prerequisites: WELD 128 or WELD 131 or WELD 132 or appropriate industry experience.

INDT 164 **5 credits**
Plant Maintenance

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.

INDT 205 **10 credits**
Machining Technology IV

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. Prerequisites: INDT 125.

INDT 215 **10 credits**
Machining Technology V

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. Prerequisites: INDT 205.

INDT 225 **10 credits**
Machining Technology VI

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 résumés, fill out applications and plan their career path. Prerequisites: INDT 215.

INDT 250 **2 credits**
Aerospace Electronics Capstone

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. Prerequisites: instructor's signature.

INDT 276 **3 credits**
Digital Design Capstone

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. Prerequisites: capstone of program sequence, taken in the last quarter.

INDT 196/296 **1-5 credits**
Cooperative Work Experience

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. Prerequisites: instructor's signature.

Japanese**JAPN& 121** **5 credits**
Japanese I

To develop students' communicative skills in everyday situations in Japanese. Learn reading and writing skills at the elementary level.

JAPN& 122 **5 credits**
Japanese II

Continuation of Japanese I. Develop communicative skills in everyday situations in Japanese. Learn reading and writing skills at the elementary level. Prerequisite: JAPN& 121.

JAPN& 123 **5 credits**
Japanese III

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. Prerequisite: JAPN& 122 or equivalent.

JAPN& 221 **5 credits**
Japanese IV

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. Prerequisite: JAPN& 123 or instructor's signature.

JAPN& 222 **5 credits**
Japanese V

Continuation of Japanese 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. Prerequisite: JAPN& 221 or instructor's signature.

JAPN& 223 **5 credits**
Japanese VI

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. Prerequisites: JAPN& 222 or instructor's signature.

WVC Degree Requirements

- Your degree must have a minimum of 90 credits.
- You must earn a minimum of 30 credits of your degree at WVC.
- After leaving WVC, you may apply a maximum of 15 credits earned from another school toward a WVC degree.
- If degree requirements change, you 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.
- You must earn a cumulative grade point average (GPA) of 2.0 or above for all degrees/certificates.
- You must satisfy all financial obligations before a WVC degree will be awarded.
- You must submit an application for graduation to the admissions/registration office. Applications for fall-quarter graduation are due by December 1; for winter quarter by March 1; and for spring quarter by May 1. Forms are available in the admissions/registration office and online at www.wvc.edu/graduation.
- **You are responsible for knowing your graduation requirements.** You may submit written requests for credit evaluations to the transcript evaluator, who will summarize what requirements need to be completed. Evaluation request forms are available in the admissions/registration office.

Transfer Degree Options

Wenatchee Valley College offers a wide variety of classes leading to the two-year associate of arts and sciences degree, the associate in business direct transfer degree, and the associate of science-transfer degree, which earn you junior standing at 18 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 of Arts and Sciences Degree-Direct Transfer Agreement

With careful planning, you can transfer to most four-year institutions with your general education requirements and premajor course work completed. The associate of 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 Intercollegiate Relations Commission (ICRC). Whenever possible, you should include courses required for your major as you complete the AAS-DTA degree.

If you cannot attend during the day, WVC offers evening, online and hybrid courses leading to an AAS-DTA degree. The college also offers a variety of online and televised courses that apply to this degree. You should realize that neither the evening nor the distance degree offerings can accommodate all specific majors. Only on campus during the day can you specialize in most specific majors through WVC.

Associate in Business-Direct Transfer Degree

The associate in business direct transfer degree (Business DTA) is designed for students transferring in business. This degree is not the same as the associate of arts and sciences direct transfer agreement (AAS-DTA) degree described above. The Business DTA is the best choice if you have not yet decided on your school of choice, but want to make sure you have met the entrance requirements for all four-year schools. If you know which four-year school you will attend, the AAS-DTA degree may be a better option.

Associate of Science-Transfer Degree

The associate of 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 of 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 you to take more

HIST 160 5 credits
History of Mexico

An examination of Mexican history from its indigenous roots through conquest and colonization to independence, revolutions and some contemporary issues.

HIST 174 5 credits
Western World History-Latin America

A broad survey of Latin American history from the birth of New World civilizations until the 20th century. The purpose of this course is to describe the diverse societies and cultures that have shaped the Latin American world, as well as detail the unique historical experiences of this region of the world.

HIST& 214 5 credits
Pacific NW History

Survey of the historical, economic and political developments of the Pacific Northwest region. Course meets Washington state requirements for certification of teachers.

HIST& 219 5 credits
Native American History

Survey of the interaction between the Native American populations of North America and the changing economic, social and political environments. (Formerly HIST 210.)

HIST 230 5 credits
History/First Peoples of the Plateau Region

Survey of the political, economic, social and spiritual changes affecting the 12 diverse nations of the Confederated Tribes on the Colville Reservation.

HIST 271 5 credits
Eastern World History-Southeast Asia

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.

HIST 274 5 credits
Eastern World History-East Asia

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.

HIST 275 5 credits
Eastern World History-South Asia

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.

Humanities**HUM& 101** 5 credits
Introduction to Humanities

An introduction to the critical thinking, arts and philosophical ideas that enrich human experience.

HUMN 121 5 credits
Humanities & Brewing: Cultural-Historic Perspective

Brewing history, culture and application from ancient origins of brewing to the modern development of the brewing industry and the recent proliferation of whole-grain micro-brewing. Relating the social and scientific aspects of brewing to practical applications of whole-grain brewing. Prerequisites: must be 21 years old.

HUMN 141 5 credits
Film and Culture

Explores 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.

HUMN 200 5 credits
Ancient Greece

Probes the Ancient Greek history, government, science, philosophy, art, architecture and literature - both epic poetry and tragedy. Prerequisites: college-level reading and writing required.

HUMN 201 5 credits
Humanities in Western Civilization I

A survey of the humanities from ancient Greece through the Italian Renaissance.

HUMN 202 5 credits
Humanities in Western Civilization II

A survey of the humanities from the Renaissance through the 20th century.

HUMN 206 5 credits
Symbolism and Mythology

A study of the meaning, value and scope of symbolism and myth.

Industrial Electronics**ELTRO 101** 5 credits
Basic DC-1

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. Prerequisites: MATH 093 or MATH 096 or instructor's permission.

ELTRO 121 5 credits
Digital Electronics

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. Prerequisites: ELTRO 101 or instructor's permission.

ELTRO 132 5 credits
Intro to Computerized Controls and PLCs

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.

Associate of Arts and Sciences Direct Transfer Agreement Requirements

General Education Requirements: 15 credits

If more than 15 General Education credits are earned, the excess credit may be used to meet other graduation requirements.

WRITING SKILLS 10 CREDITS

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

English 101 required

Select five credits from **English** 201, 202, 203 or 235

QUANTITATIVE SKILLS 5 CREDITS

Students must also successfully complete one of the following:

Math: 107, 140, 141, 142, 146, 148, 151, 152, 153, 173, 200, 211, 238, 254

Exception: Students who enrolled at WVC prior to Summer 2014 may continue to use Math 105 or 108 OR CSC 201, 202, or 203 to satisfy this AAS-DTA requirement. The deadline for graduating under this exception is **Fall 2015**.

Distribution Requirements: 45 credits

If more than 45 Distribution credits are earned, the excess credit may be used to meet general electives requirements.

HUMANITIES 15 CREDITS

Courses must be from three different subject areas. Subject areas appear below in **bold** type. Only 5 credits of Performance courses allowed in Humanities. **Performance courses are underlined.**

Art: 100, 106, 107, 110, 111, 113, 116, 117, 130, 131, 132, 133, 134, 135, 136, 138, 141, 142, 143, 150, 151, 152, 154, 155, 201, 202, 203, 206, 208, 210, 211, 212, 213, 217, 218, 219, 220, 222, 223, 224, 225, 234, 235, 236, 250, 256

Chicano Studies: 120

Classics: 100

Communications: 101, 130, 210, 220, 240

Drama: 101

English: 111, 112, 113, 135, 215, 226, 240, 245, 250, 275, 276

Humanities: 101, 121, 141, 200, 201, 202, 203, 206

Journalism: 101

Music: 100, 105, 110, 111, 112, 113, 114, 116, 120, 121, 122, 123, 125, 131, 132, 133, 161, 170, 172, 173, 174, 175, 177, 210, 211, 212, 220, 221, 241, 242, 243, 261, 270, 272, 273, 274, 275, 277

Philosophy: 101, 106, 115, 210, 211, 275

Theater Arts: 165, 170, 180, 265, 280

World Languages (Maximum 5 credits in Humanities distribution):

American Sign Language 121, 122

German 121, 122, 123

Latin 101, 102, 103

Japanese 121, 122, 123, 221, 222, 223

Native American Languages 101, 102, 103, 111, 112, 113, 121, 122, 123, 204, 205, 206, 214, 215, 216, 224, 225, 226

Spanish 121, 122, 123, 124, 221, 222, 223

NATURAL SCIENCES 15 CREDITS

Courses must be from three different subject areas. Subject areas appear below in **bold** type. One course must include a lab.

Course numbers with labs are underlined.

Anthropology: 205

Astronomy: 101

Biology (General): 100, 126, 185, 211, 218, 260

Botany Biology: 186, 212, 216, 230

Chemistry: 106, 110, 121, 131, 161, 162, 163, 261, 262, 263

Environment Biology: 106, 125, 127, 221, 225, 226, 227

Oceanography 100, 101

Geology: 101, 110, 208, 218

Math: (note: only five credits allowed from Math toward Natural Science distribution)

MATH 107, 140, 141, 142, 146, 148, 151, 152, 153, 200, 211, 238, 254

Exception: Students who enrolled at WVC prior to summer 2014 may continue to use MATH 108 OR CSC 201, 202 or 203 toward Natural Science distribution. The deadline for graduating under this exception is **Fall 2015**.

Meteorology: 110, 210

Nutrition: 101

Physical Education: 286, 288

Physics: 100, 114, 115, 116, 121, 122, 123, 221, 222, 223

Zoology Biology: 213, 217, 241, 242

SOCIAL SCIENCES 15 CREDITS

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

Anthropology: 100, 130, 204, 206, 207, 217, 220

Chicano Studies: 110, 112

Economics: 101, 201, 202

Geography: 100, 101, 102, 201, 202, 207

History: 116, 117, 118, 146, 147, 148, 160, 174, 175, 214, 219, 230, 271, 274, 275

Political Science: 101, 202, 203, 206

Psychology: 100, 102, 200, 205, 220, 245

Sociology: 101, 110, 135, 151, 201, 203, 225

ESRT 295 **2 credits**
Capstone HVACR Project

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.

ESRT 196/296 **1-5 credits**
Work Experience

Designed to provide students with on-the-job practical field experience. One credit for each five hours of work experience per week. Prerequisite: instructor's signature.

Fire Science**FS 105** **2 credits**
Orientation to Fire Science

Introduction to the fire service, industry expectations and what it takes to succeed.

FS 106 **10 credits**
Basic Fire Science

Through a combination of lecture and hands-on training, students will learn how to perform basic functions of structural firefighting in a safe and effective manner. This course in combination with Intermediate Fire Science (FS 121) will include an embedded certification of IFSAC Firefighter One. Prerequisites: fire department sponsorship.

FS 110 **4 credits**
Pumpers and Water System Hydraulics

Studies of fluid mechanics dealing with the mechanical properties of water at rest and in motion, its application to suppression operations, and fire streams. Includes municipal and rural water supply operations, basic fire pump components, systems and operational skills. Prerequisites: fire department sponsorship.

FS 121 **10 credits**
Intermediate FS

Through a combination of lecture and hands-on training, the student will learn how to perform intermediate functions of structural firefighting in a safe and effective manner. This course in combination with Basic Fire Science (FS 106) will include an embedded certification of IFSAC Firefighter One. Prerequisites: fire department sponsorship and FS 106.

FS 130 **4 credits**
Wildland Firefighting Basics

Provides the new wildland firefighter with basic FFT2 Red Card-qualifying skills to effectively and safely suppress wildfires while under close supervision. Prerequisites: fire department sponsorship.

FS 152 **3 credits**
Building Construction

Overview of engineering principles by building construction, characteristics of building classifications, life and fire safety devices, fire assemblies, fire loading, fire resistance, and flame spread ratings. Covers the hazards of various methods, techniques, components and materials of building construction. Prerequisites: fire department sponsorship.

FS 160 **3 credits**
Tactics

Includes the planning, implementation and evaluation of basic fire tactics at the responding officer level. Principal elements include size-up, fire simulation, fire behavior, tactics, strategy, resource requirements and proper allocation of resources. Prerequisites: fire department sponsorship, FS106, FS121.

FS 180 **3 credits**
Hazardous Materials Operations

Designed to prepare the student in the knowledge of hazardous materials and how it relates to the fire service. This course will include embedded certifications of IFSAC Hazardous Materials Awareness and Operations. Prerequisites: fire department sponsorship.

FS 200 **10 credits**
Advanced Fire Science

Through a combination of lecture and hands-on training, students will learn how to perform advanced functions of structural firefighting in a safe and effective manner. This course will include an embedded certification of IFSAC Firefighter Two. Prerequisites: fire department sponsorship, FS106, FS121.

FS 233 **2 credits**
Professional Development

Designed to prepare the student for oral interviews and the job application process. Prerequisites: fire department sponsorship.

Geography**GEOG& 100** **5 credits**
Introduction to Geography

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.

GEOG& 102 **5 credits**
World Regional Geography

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.

GEOG& 207 **5 credits**
Economic Geography

Survey of the field of economic geography, including globalization, economic development, location analysis, rural and urban land use. 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.

Associate of Science - Transfer (AS-T) Requirements

You 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 adviser who is familiar with the major is highly recommended.

The intent is that you 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 you 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 of 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 regular direct transfer associate degree.

To be eligible for the AS-T degree, you 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.

The following courses must be part of the 90 transferable credits:

Communication Skills: 10 credits

English 101 required.

Select five credits from either English 201 or 203 or 235

Mathematics: 10 credits

Math 151 and Math 152

Humanities & Social Science: 15 credits

Courses must be from three different subject areas. Subject areas appear in bold type. Maximum of 5 credits allowed from performance classes (underlined).

HUMANITIES5 to 10 CREDITS

Art: 100, 106, 107, 110, 111, 113, 116, 117, 130, 131, 132, 133, 134, 135, 136, 138, 141, 142, 143, 150, 151, 152, 154, 155, 201, 202, 203, 206, 208, 210, 211, 212, 213, 217, 218, 219, 220, 222, 223, 224, 225, 234, 235, 236, 250, 256

Chicano Studies: 120

Classics: 100

Communications: 101, 130, 210, 220, 240

Drama: 101

English: 111, 112, 113, 135, 215, 226, 240, 245, 250, 275, 276

Humanities: 101, 121, 141, 200, 201, 202, 203, 206

Journalism: 101

Music: 100, 105, 110, 111, 112, 113, 114, 116, 120, 121, 122, 123, 125, 131, 132, 133, 161, 170, 172, 173, 174, 175, 177, 210, 211, 212, 220, 221, 241, 242, 243, 261, 270, 272, 273, 274, 275, 277

Philosophy: 101, 106, 115, 210, 211, 275

Theater Arts: 165, 170, 180, 265, 280

World Languages (*maximum 5 credits in Humanities distribution*):

American Sign Language: 121, 122

German: 121, 122, 123

Latin: 101, 102, 103

Japanese: 121, 122, 123, 221, 222, 223

Native American Languages: 101, 102, 103, 111, 112, 113, 121, 122, 123, 204, 205, 206, 214, 215, 216, 224, 225, 226

Spanish: 121, 122, 123, 124, 221, 222, 223

SOCIAL SCIENCE5 TO 10 CREDITS

Anthropology: 100, 130, 204, 206, 207, 217, 220

Chicano Studies: 110, 112

Economics: 101, 201, 202

Geography: 100, 101, 102, 201, 202, 207

History: 116, 117, 118, 146, 147, 148, 174, 175, 214, 219, 230, 271, 274, 275

Political Science: 101, 202, 203, 206

Psychology: 100, 102, 200, 205, 220, 245

Sociology: 101, 110, 135, 151, 201, 203, 225

Old English, Middle Ages, Renaissance, Neo-Classical, Romantic, Victorian and Modern periods.

ENGL& 235 **5 credits**
Technical Writing

Refines the writing process from ENGL& 101 through technical and professional writing. Emphasizes print and electronic sources, logic, avoiding plagiarism, documentation, addressing multiple audiences, oral presentation. 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. Prerequisites: ENGL& 101 with a grade of "C" (2.0) or better.

ENGL 240 **5 credits**
World Literature

Study of major works of literature, both ancient and modern, from various languages and diverse cultures--western and non-western.

ENGL 250 **5 credits**
American Literature

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.

ENGL 275 **5 credits**
Fiction Writing

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.

ENGL 276 **5 credits**
Poetry Writing

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.

English/2nd Language

The following listed courses are offered fall quarter 2015. A comprehensive program revision is scheduled for winter quarter 2016, to implement the High School 21+ diploma pathway program. For more information about winter- and spring-quarter classes, contact WVC Transitional Studies at 509.682.6790. To enroll in ABE/ESL classes, a pretest is required for course placement. Call 509.682.6790.

ESL 007 **1 credit**
ESL via Computers

Designed for the non-native English speaking student. Focus is on the reinforcement of learning in the Intermediate ESL or Advanced ESL companion classes via use of email, internet searches, and word processing. Topics reflect student needs and interests. Contextualized learning and goal-setting are emphasized. Prerequisites: CASAS placement test, Basic ESL, or Intermediate ESL.

ESL 020 **10 credits**
Basic ESL

Designed for the non-English speaking student. Focus is on reading, writing, listening, and speaking skills important in everyday life, including the alphabet, grammar, pronunciation, vocabulary, and the present tenses, all at the introductory level. Topics reflect student needs and interests. Contextualized learning and goal-setting are emphasized. Prerequisites: CASAS placement test.

ESL 021 **10 credits**
Intermediate ESL

Designed for the non-native English speaking student. Focus is on reading, writing, listening and speaking skills important in everyday life, including grammar, pronunciation, vocabulary, verb usage and sentence structure, all at the intermediate level. Topics reflect student needs and interests. Contextualized learning and goal-setting are emphasized. Prerequisites: CASAS placement test or Basic ESL.

ESL 022 **5 credits**
Advanced ESL

Designed for the non-native English speaking student. Focus is on reading, writing, listening and speaking skills important in everyday life, including grammar, pronunciation, vocabulary, verb usage and sentence structure, all at the advanced level. Topics reflect student needs and interests. Contextualized learning, goal-setting and transition are emphasized. Prerequisites: CASAS placement test or Intermediate ESL.

Environmental Systems & Refrig. Technology

ESRT 102 **1 credit**
OSHA 10 Safety Principles

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.

ESRT 110 **5 credits**
Refrigeration Principles

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. Prerequisites: MATH 096 or MATH 093 or instructor's signature.

ESRT 114 **1 credit**
Refrigerant Recovery/Recycle

Introduction to proper handling of CFC/HCFC refrigerants and non-CFC replacements, including recovery, recycle and reclaiming processes. Global issues, regulations and legislation

English as a Second Language Courses: These courses are offered fall quarter 2015. A comprehensive program revision is scheduled for winter quarter 2016 to implement the High School 21+ diploma pathway program. For more information about winter- and spring-quarter classes, contact WVC Transitional Studies at 509.682.6790.

Business Transfer Options

Business schools in Washington state vary in their entry requirements. There are two ways that you can transfer from WVC to a four-year school and major in business:

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

AAS (emphasizing business)

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

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

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

- 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 scores.

If you are interested in either business degree option, contact your potential transfer institutions early regarding specific course choices in humanities, social sciences, business law or introduction to law, and in certain electives. You 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.

Associate in Business – DTA

Communication Skills: 10 credits

English 101 required

Select five credits from either **English 201 OR 202 OR 203 OR 235**

Quantitative Skills: 10 credits

Math 148 **AND** Math 200

Humanities: 15 credits

No more than 10 credits per subject area. Subject areas appear in bold type. Maximum of 5 credits allowed from Performance classes (underlined).

Art: 100, 106, 107, 110, 111, 113, 116, 117, 130, 131, 132, 133, 134, 135, 136, 138, 141, 142, 143, 150, 151, 152, 154, 155, 201, 202, 203, 206, 208, 210, 211, 212, 213, 217, 218, 219, 220, 222, 223, 224, 225, 234, 235, 236, 250, 256

Chicano Studies: 120

Classics: 100

Communications: 101, 130, 210, 220, 240

Drama: 101

English: 111, 112, 113, 135, 215, 226, 240, 245, 250, 275, 276

Humanities: 101, 121, 141, 200, 201, 202, 203, 206

Journalism: 101

Music: 100, 105, 110, 111, 112, 113, 114, 116, 120, 121, 122, 123, 125, 131, 132, 133, 161, 170, 172, 173, 174, 175, 177, 210, 211, 212, 220, 221, 241, 242, 243, 261, 270, 272, 273, 274, 275, 277

Philosophy: 101, 106, 115, 210, 211, 275

Theater Arts: 165, 170, 180, 265, 280

World Languages (maximum 5 credits in Humanities distribution):

American Sign Language: 121, 122

German: 121, 122, 123

Latin: 101, 102, 103

Japanese: 121, 122, 123, 221, 222, 223

Native American Languages: 101, 102, 103, 111, 112, 113, 121, 122, 123, 204 205, 206, 214, 215, 216, 224, 225, 226

Spanish: 121, 122, 123, 124, 221, 222, 223

food processing, refrigeration and industrial equipment manufacturers' circuits.

ELEC 135 **3 credits**
Control Fundamentals

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. Prerequisites: ELEC 125 or instructor's signature.

ELEC 225 **5 credits**
Industrial Electricity and Controls

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. Prerequisite: ELEC 115.

Engineering

ENGR 102 **4 credits**
Engineering Graphics and Design

This introductory course in graphical drawing and blueprint interpretation includes orthographic projections, pictorials, lettering, scales, basic dimensioning, blueprint reading plus interpretation of documents related to blueprints such as construction contract documents, specifications and addendum, emphasizing commercial and industrial building construction. Laboratory time includes practice with basic drafting techniques.

ENGR 105 **5 credits**
Computer Aided Design

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. Prerequisites: strongly recommend basic computer knowledge.

ENGR 106 **4 credits**
Advanced Computer Aided Design

This course provides a continuation of the topics introduced in ENGR 105 with an emphasis on basic customization. Topics include configuration profiles, script files, user-created menus, slide files, attribute creation and extraction, 3-D construction, and solid modeling. Laboratory included. Prerequisites: ENGR 105 or equivalent.

ENGR& 214 **5 credits**
Engineering Statics

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. Prerequisites: MATH& 152, PHYS& 222 or equivalent, or instructor's signature.

English/Academic Purpose

EAP 065 **5 credits**
English Pronunciation

Learn the correct pronunciation of English words through phonetic exercises with emphasis on vowel and consonant syllable use. Tongue and mouth placement will be stressed with visuals. There will be homework practice.

EAP 066 **5 credits**
Pronunciation II

Perfecting English pronunciation intermediate level through advanced level by practicing stressed syllables in words and stressed words in sentences, intonation, contractions, rhythm and timing, compound words, word pairs, past tense verbs, possessives, consonant clusters, and much more. Prerequisite: EAP 065.

EAP 075 **5 credits**
Conversational English

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.

EAP 076 **5 credits**
Oral Communication in Academic Setting

Intended for non-native speakers to achieve oral skills (speaking and listening) in the academic environment. Prerequisite: EAP 075, completion of ESL level 5, 6, or equivalent, and/or instructor's signature.

EAP 077 **5 credits**
Oral Communication in Academic Settings II

Intended for international students and non-native speakers to refine oral skills (speaking and listening) in the academic environment. Prerequisites: EAP 076, completion of ESL level 5, 6, or equivalent, and/or instructor's signature.

EAP 085 **5 credits**
Writing for Transition

Designed for non-native speakers to understand and use conventions of the English language, including grammar, spelling and sentence to paragraph structure.

EAP 086 **5 credits**
Writing for Transition II

Designed for non-native speakers to understand and use conventions of the English language, including grammar, spelling and paragraph to short composition structure. Prerequisites: EAP 085 or instructor's signature.

EAP 090 **5 credits**
EAP Beginning Reading

Designed for international students 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. Prerequisites: participation in international student program.

EAP 091 **5 credits**
EAP Reading

Designed for international students to improve reading skills. Emphasizes vocabulary development, reading comprehension and retention, and critical thinking skills. Students will begin

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 you earn.
- Understand that chosen courses need not only transfer, but, more important, meet requirements for your major at the baccalaureate institution. Baccalaureate degree programs usually count credits in three categories: general education, departmental requirements and electives. A change in your career goal or major will probably increase the number of credits you must take to graduate.
- Visit your chosen transfer college if possible. You will learn more about a school by visiting. While you are there, talk to everybody you can: students, admissions officers, financial aid staff, counselors and instructors.
- Call or e-mail your transfer college to get answers to your questions. Your chosen school is your best source of information. Keep copies of e-mail or written responses.
- Request that all the written information your transfer school has to offer, such as catalogs, brochures, applications and departmental publications, be sent to you. Do this as early as possible in your academic career.

The Final Step: Applying for Transfer Admission

- Apply as early as possible before deadlines.
- Remember to enclose the necessary application fees.
- Request that official transcripts be sent from every institution you have 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.
- Recheck with your transfer school regarding your application status if you have not heard from them in a month.
- Request a written evaluation of transfer credit as soon as possible. Transfer-credit evaluations are usually available once you have been accepted for admission.

Associate of General Studies Degree

The associate of general studies (AGS) degree allows you the flexibility to design your 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 099). 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:

Course	Credits
ENGL& 101	5
Quantitative Skills (Intermediate Algebra or higher)	5
Humanities.....	5
Natural Sciences with laboratory	5
Social Sciences.....	5
Electives	65

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.

ECE 221 **3 credits**
Movement/Motor Development in Early Childhood

Students will learn to select, create and use activities to foster development of muscle coordination and strength, body awareness, movement, balance, and endurance. Individual areas of physical and creative activities will be explored, as will family and community influences. Prerequisites: ECED& 105 (formerly ECE 101), EDUC& 115.

ECE 222 **3 credits**
Arts & the Creative Process

Provides students with skills to plan and implement creative experiences in art, music, drama, dance and literature. Community resources will be identified. The relationship of the creative domain to other developmental domains is a focus. Prerequisites: ECED& 105 (formerly ECE 101), EDUC& 115.

ECE 231 **2 credits**
Field Experience IV

Complete 60 hours of field experience in an approved early childhood setting with a qualified teacher. Apply classroom theory from ECE 220 to actual practice of technical skills as defined in the Washington Skill Standards for Early Childhood Professionals. Concurrent enrollment in ECE 220 required. Prerequisites: ECED&105, EDUC&115.

ECE 232 **2 credits**
Field Experience V

Completes 60 hours of field experience in an approved early childhood setting with a qualified teacher. Apply classroom theory from ECE 222 to actual practice of technical skills per Washington Skill Standards. Concurrent enrollment in ECE 222 required for students pursuing ECE certificate or ATS degree. Prerequisites: ECED& 105, EDUC& 115.

ECE 260 **1 credit**
ECE Capstone

Provides the knowledge and skills needed to develop and maintain a professional portfolio to use in job searches and other career endeavors. Prerequisites: ENGL 097, ECE 117, 119, 132, 219, 220, 222, ECED& 105, 107, 120, 132, 160, 170, 180, 190, EDUC& 115, 130, 150.

ECE 290 **4 credits**
Early Childhood Education Practicum

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 meet once a week with course instructor to discuss practicum experiences. Prerequisites: ENGL 097, ECE 117, 119, 132, 219, 220, 222, ECED&105, 107, 120, 132, 160, 170, 180, 190, EDUC&115, 130, 150.

ECED& 105 **5 credits**
Introduction to Early Childhood Education

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. Formerly ECE 101.

ECED& 107 **5 credits**
Health, Safety and Nutrition

Develop knowledge and skills to ensure good health, nutrition and safety of children in group care and education programs. Recognize the signs of abuse and neglect, responsibilities for mandated reporting, and available community resources. Formerly ECE 108.

ECED& 120 **2 credits**
Practicum – Nurturing Relationships

In an early learning setting, apply best practice for engaging in nurturing relationships with children. Focus on keeping children healthy and safe while promoting growth and development. Prerequisites: concurrent enrollment in ECED& 105.

ECED& 132 **3 credits**
Infants & Toddlers

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. Formerly ECE 215.

ECED& 134 **3 credits**
Family Child Care

Learn the basics of home/family child care program management. Topics include: licensing requirements; business management; relationship building; health, safety, and nutrition: guiding behavior and promoting growth and development.

ECED& 139 **3 credits**
Administration of Early Learning Programs

Develop administrative skills required to develop, open, operate, manage and assess early childhood education and care programs. Explore techniques and resources available for Washington State licensing and National Association for the Education of Young Children (NAEYC) standard compliance. Formerly ECE 290.

ECED& 160 **5 credits**
Curriculum Development

Investigate learning theory, program planning, and tools for curriculum development promoting language, fine/gross motor, social-emotional, cognitive and creative skills and growth in young children (birth-age 8). Prerequisites: ECED& 105 (formerly ECE 101), EDUC& 115.

ECED& 170 **3 credits**
Environments

Design, evaluate, and improve indoor and outdoor environments which ensure quality learning, nurturing experiences, and optimize the development of young children.

ECED& 180 **3 credits**
Language and Literacy Development

Develop teaching strategies for language acquisition and literacy skill development at each developmental stage (birth-age 8) through the four interrelated areas of speaking, listening, writing and reading. Formerly ECE 206.

ECED& 190 **3 credits**
Observation & Assessment

Collect and record observation of and assessment data in order to plan for and support the child, the family, the group and the community. Practice reflection techniques, summarizing

Professional/Technical Programs

Associates of Technical Science/Associate in Applied Science-Transfer/Certificates of Completion

You can 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. You must earn a minimum of 30 credits at WVC. See page 30 for additional WVC Degree Requirements.

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

Each ATS and AAS-T degree (professional/technical) program has its own degree requirements. See the program guide section, pages 43-92, for more details.

Associate of Technical Science

We offer 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 you succeed in the workplace.

You 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

- Industrial Technology - Machining
- Medical Laboratory Technology
- Radiologic Technology
- Registered Nursing

See page 30 for general WVC Degree Requirements.

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.

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

- Business Computer Technology
- Criminal Justice
- Early Childhood Education
- Horticulture and Tree Fruit Production
- Natural Resources
- Registered Nursing
- Outdoor Recreation Management
- Sustainable Agriculture and Resources Systems

Tech Prep

Tech Prep allows high school students to begin preparation for a specific professional/technical field by earning college credit for taking approved high school courses. For more information, visit www.wvc.edu/techprep.

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, pages 43-92.

Certificates of completion can be earned in:

- Accounting Technician
- Automotive Technology
- Business, General
- Business Computer Technology
- Computer Technician
- Criminal Justice/Corrections
- Digital Design
- Early Childhood Education

Cooperative Work Experience

CWE 195 1-5 credits **Cooperative Work Experience**

Provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with on-the-job training. Students must participate in 10 hours of seminars on campus.

CWE 196/296 1-5 credits **Cooperative Work Experience**

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. Variable credit class. Prerequisites: instructor's permission.

Criminal Justice

CJ& 101 5 credits **Introduction to Criminal Justice**

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. Formerly CJ 101.

CJ& 105 5 credits **Introduction to Corrections**

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. (Formerly CJ 210.)

CJ& 110 5 credits **Criminal Law**

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. (Formerly CJ 120.)

CJ 130 5 credits **Introduction to Juvenile Justice**

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.

CJ 140 5 credits **Criminal Justice Report Writing**

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.

CJ 150 5 credits **Laws of Arrest, Search and Seizure**

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.

CJ 201 5 credits **Criminal Investigations**

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.

CJ& 210 5 credits **Police Organization & Administration**

Introduces principles, concepts and theories relating to a police organization and administration within line and staff functions in the uniformed and investigative units. (Formerly CJ 110.)

CJ 220 5 credits **Crime Scene Investigations**

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.

CJ 230 5 credits **Crisis Intervention**

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.

CJ 240 5 credits **Introduction to Traffic Investigations**

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.

CJ 250 5 credits **Professional Development**

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.

CJ 260 5 credits **Introduction to White Collar Crime**

Examines concepts, extent and costs of white-collar and organized crime. "Upper-class" 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.

CJ 261 5 credits **Law Enforcement Research Methods**

Introduces concepts, approaches and methods for conducting and analyzing empirical research for criminal justice settings. Topics covered include: quantitative and qualitative research,

Omak Campus

Accounting, page 43

Allied Health Programs Overview, page 50

Business, General, page 52

Tribal Gaming Management, page 54

Business Computer Technology Overview, page 55

Chemical Dependency Studies, pages 59-60

Criminal Justice, page 62-63

Early Childhood Education Overview, page 65

Early Childhood Education ATS, page 66

Early Childhood Education AAS-T, page 67

Early Childhood Education short certificate options, page 68

Early Childhood Education State Credential Certificate, page 69

Medical Laboratory Technology, pages 81-83

Nursing, pages 86-88

Nursing Assistant, page 89

For more information on outcomes for our professional/ technical certificate programs, please visit our website at www.wvc.edu/directory/departments/employmentdisclosure/default.asp

careers such as medicine, dentistry and pharmacy. CHEM& 263 furthers discussion of the properties, transformations and identification of organic molecules, including biomolecules. Lab included. Prerequisites: CHEM& 262.

Chican@ Studies

CHST 112 5 credits Chican@ Experience in Contemporary Society

Examines contemporary, Chicano [Mexican-American] experiences within a historical context. Beginning with ancient Mesoamericans' civilizations through European conquest and up to contemporary issues students will engage in the following areas of scholarly inquiry: immigration; political participation, economic development; race, class, culture, nationalism, and civil rights. Prerequisites: eligibility for ENGL& 101 and eligibility for MATH 093.

CHST 120 5 credits Identity, Art and Culture

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.

Communications

CMST& 101 5 credits Introduction to Communication

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.

CMST 130 5 credits Survey of Digital Communications

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. Prerequisites: ENGL 097 equivalency or higher.

CMST& 210 5 credits Interpersonal Communication

Principles, processes, and practices of interpersonal communication related to motivation, knowledge, and skills to appropriately and effectively communicate in given interpersonal situations. Focus is on perception of self-concept and others, including diversity, verbal and non-verbal cues, and strategies for understanding and improving interpersonal relationship dynamics. Prerequisites: ENGL&101 is recommended.

CMST& 220 5 credits Public Speaking

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. Prerequisites: ENGL 097 equivalency or higher.

Computer Science

CSC 101 5 credits Introduction to Programming

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: MATH 096 or MATH 098, word processing competency.

CSC 151 5 credits Web Design I

Introduction to Web content development using HTML and a variety of Web development tools. Prerequisite: familiarity with Windows Operating System.

CSC 152 5 credits Web Design II

Web application client development, using interactive technologies such as JavaScript, JavaScript libraries, CSS, HTML, and asynchronous HTTP requests. Prerequisites: CSC 151 or instructor permission.

CSC 153 5 credits Web Design III- Web Application Programming

Web application server development, including writing software that runs on the server, database integration, and delivering Web pages generated from HTML templates. Prerequisites: CSC 152 or instructor permission.

CSC 154 5 credits Macromedia Flash

Introduces the Macromedia Flash multimedia authoring platform. Students will use Macromedia Flash to integrate images, drawing, audio, video and text into multimedia applications that can be published to an Internet website.

CSC 201 5 credits Programming Fundamentals

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. Prerequisites: MATH 099, word processing competency.

CSC 202 5 credits Intermediate Programming

Introduces the concept 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. Prerequisites: CSC 201.

CSC 203 5 credits Data Structures and Algorithms

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. Prerequisites: CSC 202.

Agriculture: Sustainable Agriculture and Resource Systems

- **General Agriculture Pathways**, page 45
- **Sustainable and Organic Agriculture Pathways**, page 46
- **Horticulture and Tree Fruit Production Pathways**, page 47
- **Agriculture Technology (AgriTechnologies) Pathways**, page 48
- **AgriBusiness Pathway**, page 49

Within the sustainable agriculture and resource systems program, WVC offers a non-transfer associate of technical science (ATS) in several pathways and associate in applied science-transfer (AAS-T)** degrees in sustainable and organic agriculture, horticulture and tree fruit production, general agriculture and agritechnologies. Interested students should work closely with agriculture advisers in order to plan their studies to reach their individual goals in an expeditious manner.

- The ATS degree prepares students for employment in agriculture and related fields. The pathways are general agriculture, agribusiness, horticulture and tree fruit production, sustainable and organic agriculture, and agriculture technology.
- WVC has articulations with the Washington State University College of Agricultural, Human, and Natural Resources Sciences (CAHNRS) that allows WVC students to transfer to WSU with an AAS-T** in sustainable and organic agriculture, horticulture and tree fruit production, general agriculture, or agritechnologies.
- The Hispanic Orchard Employee Education Program (HOEEP) offers several certificate programs to increase the professional abilities of agricultural employees and their contributions to the operations of their respective employment settings. The programs are taught in Spanish, but all students should have basic English conversational skills and some ability to read and write in Spanish when entering these programs. Each program includes applied English, mathematics and computer applications instruction and a civics component which covers everyday life situations. These programs are:
 - HOEEP I Basic Horticulture: introduces tree fruit production and management practices
 - HOEEP II Advanced Horticulture: builds on the introductory class, focusing on a production system approach
 - HOEEP III Integrated Pest Management Technician: prepares students as pest management scouts and assistance for apple, pear and cherry IPM projects
 - HOEEP IV Farm Management: introduces the principles and practices of farm management
 - HOEEP V Introduction to Viticulture: introduces the production and management of wine and juice grape vineyards
 - HOEEP VI Advanced Viticulture: builds on the introductory class, focusing on a production system approach
 - HOEEP VII Integrated Pest Management Technician and Vineyard Management: prepares Latino vineyard employees as pest management scouts and introduces them to basic vineyard economies and management.

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

***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)*

BCT 220 **5 credits**
Spreadsheets II

Create, format and audit workbooks at an advanced level using database functions, macros, templates, web tools, multiple workbooks, imported/exported data, data tables, scenario management, Solver, and VBA. Prerequisites: BCT 130, MATH 093.

BCT 230 **5 credits**
Database II

Advanced instruction in the theories and technical skills of database management systems; integrative learning is emphasized. Students will build relational databases and use advanced features and commands including VBA. Prerequisites: BCT 150.

BCT 240 **2 credits**
Microsoft Publisher

Basic publishing skills for creating newsletters, brochures, business cards, postcards, flyers for print, e-mail and the Web. Create a publication from scratch or use available business or personal designs software. Create, manage, revise, and distribute publications and use digital technology to enhance their work. Formerly CEC 135. Prerequisites: BCT 105, BCT 120.

BCT 250 **5 credits**
Desktop Publishing

Principles of design applicable to publications created using desktop publishing software and computer technology. Special attention is given to design principles, typography, and layout and production techniques.

BCT 251 **3 credits**
Web Publishing

Provides an introduction to Web-editing software Logic and layout for beginning Web page designers. Provides all the information necessary to plan effective and attractive Web pages. Included are helpful tips on how to make professional-looking Web pages. May be repeated with different software. Formerly BIT 225/CEC 140. Prerequisites: BCT 105 and BCT 125 or instructor's signature.

BCT 275 **3 credits**
Software Integrations

This project-oriented course will prepare students to utilize spreadsheet, database, presentation, publishing and word processing software to perform integrated tasks and functions. Students will complete projects and simulations that require them to integrate shared data and information between those programs. Prerequisites: BCT 105, BCT 120, and BCT 130.

BCT 283 **5 credits**
Administrative Management

Administrative management practices and principles, including the organizing process, office layout, office environment, office equipment and furniture, selecting office employees, training office employees, and budgetary and cost control.

BCT 284 **5 credits**
Project Management

Development of project management skills and their application in the business world. Includes development of skills in the core project management areas: scope management, time management, cost management and quality management.

BCT 196/296 **1-5 credits**
Cooperative Work Experience

Designed to continue providing on-the-job practical field experience related to business computer technology. One credit is earned for each five hours of work experience per week. Variable credit class. Prerequisite: instructor's permission.

Chemical Dependency Studies**CDS 100** **5 credits**
Survey of Chemical Dependency

Overview of historical and current definitions of chemical dependency and abuse. The effects of abuse on behavior, health, youth, family, special populations and society. Focus on the nature of addictions, causality, progression, assessment, scope, intervention, treatment and prevention.

CDS 101 **5 credits**
Physiological Action of Alcohol and Other Drugs

The human body's physical and behavioral response to alcohol and other drugs; current research findings; basic information and terminology essential for working on treatment teams with physicians and nurses, and for communicating with patients and with patients and families. Prerequisites: CDS 100, PEH 180.

CDS 106 **5 credits**
Case Management of Chemical Dependency Client

Counselor skill training in case planning and case management of the substance-abusing client. Overview of federal, state and agency policies and procedures, assessments, treatment, and discharge planning. Prerequisites: CDS 100, 101 or instructor's signature.

CDS 110 **4 credits**
Cultural Diversity Counseling for Chemical Dependency Studies

A course of study designed to improve knowledge and skills of the Chemical Dependency Professionals while working with clients/patients with different cultural backgrounds. Prerequisites: CDS 100.

CDS 140 **2 credits**
Chemical Dependency Relapse Prevention

Course will discuss the phenomena of post acute withdrawal as well as ensuing issues of relapse as they pertain to the disease of addiction, and the reuse of drugs after treatment as a separate and distinct episode not associated with treatment failure. Materials discussed are the work of T. Gorski. Prerequisites: CDS 100, 101 or instructor's signature.

CDS 150 **3 credits**
Counseling the Addicted Adolescent

An overview class covering the needs of the addicted adolescent. Covers many developmental, cognitive and physiological issues that are complicated by an adolescent's use of alcohol or other drugs. Prerequisites: CDS 100, CDS 101 or instructor's signature.

CDS 202 **5 credits**
Counseling Theory and Techniques

Overview of communication skills, theories and techniques used in developing a common understanding of addictive behavior. Comprehensive review of how people behave and an introduction to counseling methods to facilitate change in

Pathways for Sustainable and Organic Agriculture

Required Courses: Associate of Technical Science non-transfer degree

Introductory Courses

AGRI 101	Intro. to Agriculture <i>or</i>	
AGRI 108	Intro. Horticulture	3
AGRI 161	Intro. Plant Science	2
AGRI 162	Intro. Soils	3

Core Courses

AGRI 254	Integrated Pest Management	5
AGRI 261	Plant Science.....	5
AGRI 263	Soils.....	5

Emphasis Courses

AGRI 268	Organic Ag. Production	5
AGRI 269	Organic Plant Nutrition.....	5
AGRI 255	Field Based Integrated Pest Mgmt	5
AGRI 289	Sustainable Ag. and Food.....	5
AGRI 116, 117, 118:	Ag. Lab	3

Approved Electives (may include Cooperative Work Experience credits)..... 20

GER Courses

ENGL 100*	Writing in the Workplace	5
MATH 100T*	Technical Math or higher	5
BUS& 101	Intro. to Business	5
BIOL& 100	Survey of Biology	5
BCT 105	Computer Applications	5
CMST& 220	Public Speaking.....	5

Total Credits for Degree 96

Required Courses: Associate in Applied Science-Transfer Degree**

Introductory Courses

AGRI 101	Intro. to Agriculture <i>or</i>	
AGRI 108	Intro. Horticulture	3
AGRI 161	Intro. Plant Science	2
AGRI 162	Intro. Soils	3

Core Courses

AGRI 254	Integrated Pest Management	5
AGRI 261	Plant Science.....	5
AGRI 263	Soils.....	5

Elective Courses

AGRI 268	Organic Ag. Production	5
AGRI 269	Organic Plant Nutrition.....	5
AGRI 255	Field Based Integrated Pest Mgmt	5
AGRI 289	Sustainable Ag. and Food.....	5
	200-level AGRI electives.....	25

GER Courses

ENGL& 101*	Composition: General	5
MATH& 107*	Math in Society	5
	Natural Sciences (CHEM& 121).....	5
	Social Sciences (ECON& 201).....	5
	Humanities (CMST& 220).....	5

Total Credits for Degree 93

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

AGRI 161	Intro. Plant Science	2
AGRI 162	Intro. Soils	3

Core Courses

AGRI 254	Integrated Pest Management	5
AGRI 261	Plant Science.....	5
AGRI 263	Soils.....	5

Elective Courses

AGRI 268	Organic Ag. Production	5
AGRI 269	Organic Plant Nutrition.....	5
AGRI 255	Field Based Integrated Pest Mgmt	5

GER Courses

ENGL&101*	Composition: General	5
ENGL 201	Composition: Advanced Essay.....	5
MATH&107*	Math in Society	5
MATH&146*	Intro. Statistics.....	5
CMST&220	Public Speaking.....	5
HUM& 101	Intro. to Humanities.....	5
ART& 100	Art Appreciation.....	5
CHEM&121*	Intro. to Chemistry	5
BIOL& 211	Majors Cellular	5
CHEM&131	Intro. to Organic/Biochemistry	5
BIOL 216	Plant Classification.....	5
ECON&201	Micro Economics.....	5

Total Credits for Degree 98

*Placement score required

**See Associate in Applied Science-Transfer Degree Definition, page 31

Students should work closely with an agriculture adviser to plan this program.

used to gain an understanding of the complex forces that shape the morals and values which are used in ethical decision-making.

BUS 177 **5 credits**
Business Leadership Development

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.

BUS& 201 **5 credits**
Business Law

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).

BUS 230 **5 credits**
Introduction to Entrepreneurship

Introduction to the elements of successful entrepreneurship, business opportunity identification and assessment, economic development strategies, and development of an effective business plan.

BUS 240 **5 credits**
Principles of Management

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.

BUS 241 **5 credits**
Principles of Marketing

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.

BUS 242 **5 credits**
Retail Management

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.

BUS 243 **5 credits**
Human Resources Management

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.

BUS 245 **5 credits**
Small Business Management

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. Formerly BUSA 245.

BUS 196/296 **1-5 credits**
Cooperative Work Experience

Designed to provide on-the-job practical field experience. One credit for each five hours of work experience per week. Variable credit class. Prerequisites: instructor's permission.

Business Computer Technology

BCT 100 **2 credits**
Basic Computer Keyboarding

An introductory course to develop basic keyboarding techniques with an emphasis on improving speed and accuracy. Course topics include alphabet, numeric and symbol keys.

BCT 103 **1 credit**
Computer Hardware Overview

Introductory exploration of computer hardware - what is in the box? Includes discussion of relationships between processor speed, memory and hard drive space as well as current storage options. This course provides the basic information to make a computer purchase decision. Part 1 of BCT 105 equivalency. Prerequisites: keyboarding skills, BCT 100, 101, 102 or instructor's signature.

BCT 104 **1 credit**
Operating Systems Overview

Use the basic functions in Windows to display files and computer status information, organize drives, files or folders efficiently, use the help function and locate information. Discussions will include variations found on Mac and Linux systems as well as expectations for new systems. Part 2 of BCT 105 equivalency. Prerequisites: BCT 101 and 103 or instructor's signature.

BCT 105 **5 credits**
Computer Applications

This course is an introductory level basic computer applications course and is designed for students with little or no computer experience. Students will learn how to use MS Office software. Students will also learn about file management, word processing, spreadsheets, database, and presentation software. The fundamentals of email are also covered. Prerequisites: BCT 100 Basic Keyboarding or instructor signature.

BCT 106 **1 credit**
Getting Started with Word Processing

Use basic Word functions to enter, edit, cut, copy, paste and reorganize text. Documents will be enhanced with graphics and tables. Use Word tools including spell checker, grammar checker, page layout, and references. Flyers, letters, template resumés and research papers will be produced. Part 3 of BCT 105 equivalency. Prerequisites: BCT 101 and 104 or instructor's signature.

BCT 107 **1 credit**
Getting Started with Spreadsheets

Use basic Excel functions to enter, edit, cut, copy, paste and reorganize text and data and create simple formula.

Pathway for Agriculture Technology (AgriTechnologies)

Required Course Sequence: Associate in Technical Science Degree Pathway

Offered at Wenatchee campus

Tech Prep and Intro. Course Requirements		Credits
AGRI 105	Agriculture Mechanics <i>or</i>	
WELD 128	Basic Welding	3
AGRI 161	Intro. Plant Science	2
AGRI 162	Intro. Soils <i>or</i>	
AGRI 130	Agriculture Technologies	3

Core Courses to be chosen from:

Agriculture (AGRI), Automotive Technology (AUTO), Electricity (ELEC), Electronics (ELTRO), Environmental Systems & Refrigeration Technology (ESRT), Industrial Technology (INDT), Welding (WELD)..... 15

Elective Courses

Approved 200-level electives..... 35

Courses chosen based on student's emphasis or pathway:

Approved 200-level courses in pathway.....		5
ENGL 100*	Writing in the Workplace or higher.....	5
MATH 100T*	Technical Math or higher	5
READ 100*	Technical Reading	5
BCT 105	Computer Applications	5
BIOL& 100	Survey of Biology	5
BUS& 101	Intro. to Business	5
CMST& 220	Public Speaking.....	5
AGRI 116, 117, 118:	Ag. Lab	3

Total Credits for Degree 96

Required Courses: Associate in Applied Science-Transfer Degree**

Introductory Courses

AGRI 101	Intro. to Agriculture <i>or</i>	
AGRI 130	Agriculture Technologies <i>or</i>	
AGRI 105	Agriculture Mechanics <i>or</i>	
WELD128	Basic Welding	3
AGRI 161	Intro. Plant Science	2
AGRI 162	Intro. Soils	3

Core Courses

AGRI 254	Integrated Pest Management	5
AGRI 261	Plant Science.....	5
AGRI 263	Soils.....	5

Elective Courses

Approved 200-level AGRI electives 45

GER Courses

ENGL& 101*	Composition: General	5
MATH& 107*	Math in Society	5
	Natural Sciences (CHEM& 121).....	5
	Social Sciences (ECON& 201).....	5
	Humanities (CMST& 220).....	5

Total Credits for Degree 93

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 Agricultural & Food Systems, Agricultural Technology & Production Management.

Introductory Courses

AGRI 101	Intro. to Agriculture <i>or</i>	
AGRI 130	Agriculture Technologies	3
AGRI 161	Intro. Plant Science	2
AGRI 162	Intro. Soils	3

Core Courses

AGRI 254	Integrated Pest Management	5
AGRI 261	Plant Science.....	5
AGRI 263	Soils.....	5

Elective Courses

Approved 200-level AGRI electives 10

GER Courses

ENGL&101*	Composition: General	5
ENGL 201	Composition: Advanced Essay.....	5
MATH&107*	Math in Society	5
MATH&146*	Intro. Statistics.....	5
CMST&220	Public Speaking.....	5
HUM& 101	Intro. to Humanities.....	5
ART& 100	Art Appreciation.....	5
CHEM&121*	Intro. to Chemistry	5
BIOL& 211	Majors Cellular	5
CHEM&131	Intro. to Organic/Biochemistry	5
MATH& 141*	Precalculus	5
ECON&201	Micro Economics.....	5

Total Credits for Degree 93

*Placement score required

**See Associate in Applied Science-Transfer Degree Definition, page 31

Students should work closely with an agriculture adviser to plan this program.

AUTO 219 **4 credits**
Engine Drivability

Modular, self-paced, instructor-guided course covering diagnosis of actual live drivability problems and use of diagnostic equipment, including standard-industry scopes and scan tools. Leadership and human relations are an integral part of instruction. Prerequisites: AUTO 100, 113, or instructor's signature.

AUTO 220 **12 credits**
Advanced Technical Practices

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. Prerequisites: instructor's signature.

AUTO 291 **2 credits**
Auto Project Laboratory IV

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. Prerequisites: enrollment in automotive program and completion of the first year certificate or instructor's signature.

AUTO 292 **2 credits**
Auto Project Laboratory V

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. Prerequisites: enrollment in automotive program and completion of the first-year certificate or instructor's signature.

AUTO 293 **2 credits**
Auto Project Laboratory VI

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. Prerequisites: enrollment in automotive program, completion of AUTO 217 or instructor's signature.

AUTO 196/296 **1-5 credits**
Cooperative Work Experience

Designed to provide students with on-the-job practical field experience. One credit for each five hours of work experience per week. Variable credit. Prerequisites: instructor's permission.

Biology**BIOL& 100** **5 credits**
Survey of Biology

Covers the basic biological principles and processes for the nonscience major. Includes a basic survey of cell biology, inheritance, reproduction, genetics, classification, evolution, ecology and principles of living systems. Includes laboratory.

BIOL 106 **5 credits**
Introduction to Marine Biology

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.

BIOL 125 **5 credits**
Environmental 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.

BIOL 126 **5 credits**
Life Continuity

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. Prerequisite: recent college-level biology course or instructor's signature.

BIOL 127 **5 credits**
Northwest Environments

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. Prerequisites: interest in our local flora and fauna.

BIOL 185 **5 credits**
Insects & Ecosystems

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.

BIOL 186 **5 credits**
Survey of Plants of the Pacific Northwest

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.

BIOL& 211 **5 credits**
Majors Cellular

Covers the structure and function of cells, metabolism, energetics, cell reproduction, and Mendelian and molecular genetics. Recommended for science majors, pre-professional students and allied health majors. Includes laboratory. Prerequisites: recent college-level chemistry class (CHEM&121) with a "C" grade or better or equivalent or instructor permission.

BIOL& 212 **5 credits**
Majors Plants

The structure and function of plants, with the first half covering plant anatomy and physiology and the second half covering plant morphology. Plant evolution, ecology and diversity integrated throughout. Recommended for science majors. Prerequisites: BIOL& 211.

Allied Health Programs

WVC offers the following allied health programs:

Chemical Dependency Studies, pages 59-60

Medical Assistant, pages 79-80

Medical Laboratory Technology, pages 81-83

Nursing (RN), pages 86-88

Practical Nursing (LPN), pages 86-88

Nursing Assistant, page 89

Radiologic Technology, pages 91-92

Admission Requirements

Qualified applicants who have met the prerequisites for the allied health program of their choice are considered of equal merit and equally qualified to be accepted into a limited-enrollment program. However, if the number of qualified applicants exceeds the number of available spaces in a program, admission will be competitive and based on an estimate of the student's potential to succeed.

Students applying to an allied health program must attend an allied health information session prior to submitting a supplemental application for a program. The information sessions will describe the requirements of the programs, the application processes, the selection criteria and the occupation under consideration. Application materials are available on the website: www.wvc.edu/alliedhealth. The schedule of information sessions is available in the allied health office and on the college website.

To be considered for an allied health program, it is the student's responsibility to:

- Submit a complete application package consisting of:
 - WVC Application for Admission.
 - Supplemental application for admission to WVC Allied Health program of choice.
 - Sealed, official transcripts from all colleges where the student has earned credit.
- Complete all prerequisite coursework by the specific program deadline with a grade of "C" (2.0) or better, verified by transcript.
- Achieve a cumulative college GPA of at least 2.5.
- Meet any other specific program requirements as outlined on the WVC website.
- Be 18 years of age or older prior to entering clinical experience.

The application deadline for specific programs will be posted on the college website. Call the WVC Allied Health Educational Planner for more information, 509.682.6844.

Note: Admission to WVC is required but does not guarantee admission into an allied health program. Admission to these programs follows the procedure outlined above.

** An interview may be required for students applying to the medical laboratory technology regional sites.*

Student Responsibilities

Once accepted into an allied health program, students must fulfill the following requirements:

- Provide a current Healthcare Provider CPR card. Must include but not 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. (NOTE: This requirement does not apply to students in the nursing assistant program.)
- Provide a copy of seven-contact hour course – Washington State HIV/AIDS Certificate. (Seven-hour online class offered through www.nursingceu.com or any other seven- hour HIV/AIDS class.)
- Provide documentation of immunizations to the Student Immunization Tracker (for a complete list, visit the allied health pages at 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 www.summitamerica-ins.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 within 45 days of acceptance into the program.
- Provide results of a ten-panel drug test, not older than 45 days, from a certified lab.
- 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: 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. Students with criminal records are required to meet with the dean of allied health to determine if the criminal history would prevent access to a healthcare facility.

For more information about allied health admissions, contact the allied health educational planner at 509.682.6844.

- ART 212** **Painting III** **5 credits**
Continued study of the principles and processes of painting. Prerequisite: ART 211.
- ART 213** **Watercolor I** **5 credits**
Introduction to the principles and processes of transparent watercolor painting. Investigation of color and composition with various studio and outdoor subjects. Prerequisites: ART 106 or 110 recommended.
- ART 217** **Native American Beading I** **5 credits**
Introduction to basic materials, cultural styles and techniques of Native American beading. Three-color Peyote stitch and two-needle flatwork articles will be created.
- ART 218** **Native American Beading II** **5 credits**
Continued study in the materials, cultural styles and techniques of Native American beading. Seven colors for Peyote stitch and flatwork with student-researched designs. Prerequisite: ART 217.
- ART 219** **Native American Beading III** **5 credits**
Advanced study of the materials, cultural styles, and techniques of Native American beading, including beading onto leather and completion of a large project. Prerequisites: ART 218.
- ART 220** **Painting: Advanced** **5 credits**
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. Prerequisite: ART 212.
- ART 222** **Drawing: Advanced** **5 credits**
Advanced study of the theory and practice of drawing. Emphasis on the development of individual approaches to form and media. Prerequisite: ART 113.
- ART 224** **Printmaking 1** **5 credits**
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. Prerequisites: ART 106 or ART 110 recommended.
- ART 225** **Printmaking: Advanced** **5 credits**
Advanced study of the theory and practice of printmaking. Emphasis on the development of individual approaches to form and media. Prerequisites: ART 206, ART 208 or ART 224.
- ART 234** **Graphic Design II** **5 credits**
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. Prerequisites: ART 136 or instructor's signature.

- ART 235** **Web Graphic Design** **5 credits**
Introduction to Web Site Graphic Design stressing fundamental principles and their application to the Web. Good Web design is not about mastering the technical details of software. The starting point of any great website is understanding color, type, layout—the building blocks of great design—essential to developing professional Web design skills. Prerequisites: ART 234 or instructor's signature.
- ART 236** **Graphic Design - Branding** **5 credits**
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. Prerequisites: ART 235 or instructor's signature.
- ART 250** **Ceramics: Advanced** **5 credits**
Advanced study of the theory and practice of ceramics. Emphasis on the development of individual approaches to form and media. May be repeated. Prerequisites: ART 152.
- ART 256** **Sculpture: Advanced** **5 credits**
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. Prerequisites: ART 155.

Astronomy

- ASTR& 101** **Introduction to Astronomy** **5 credits**
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. Prerequisites: MATH 093 or higher math.

Automotive Technology

- AUTO 100** **Shop Procedures** **1 credit**
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. Prerequisites: instructor's signature.
- AUTO 110** **Electrical Systems** **4 credits**
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

Business, General

- **General Business Associate of Technical Science Degree**, page 52
- **General Business Certificate of Completion**, page 53
- **Retail Management Certificate of Completion**, page 53
- **Tribal Gaming Management Certificate of Completion**, page 54

WVC also offers business options leading to an associate of arts and sciences (transfer) or an associate in business transfer degree which is designed for transfer toward a bachelor’s degree in business at a four-year college or university. See pages 30 and 36-37.

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, finance, 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.

This two-year associate of technical science (ATS) 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 adviser 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 assessment scores or acceptable preparatory coursework in those subjects. See course descriptions for details.

Required Courses: Associate of Technical Science Degree Program

Offered at Wenatchee and Omak campuses

Prerequisites for the ATS degree option are ENGL 097 and MATH 099 or qualifying placement scores.

Core Program Requirements		Credits	General Requirements	
BCT 105	Computer Applications	5	ENGL& 101*	Composition: General.....5
BCT 130	Spreadsheets	5	MATH& 146*	Intro. to Stats or other college-level math.....5
BUS 240	Principles of Management	5		Natural Science.....5
BUS 241	Principles of Marketing	5		Humanities
BUS 245	Small Business Management.....	5		Social Science
ACCT& 201	Principles of Accounting I.....	5		Business Electives**
BUS 146	Business Ethics <i>or</i>			Total
BUS& 101	Intro. to Business.....	5		45
CMST& 210	Interpersonal Communications <i>or</i>			Total Credits for Degree
CMST& 220	Public Speaking.....	5		90
ECON& 201	Micro Economics <i>or</i>			
ECON& 202	Macro Economics.....	5		
	Total	45		

* Placement score required.

**See business adviser for approved electives. Electives in accounting, business or business computer technology are recommended.

Business schools in Washington state vary in their entry requirements. The business ATS is not designed as a transfer degree. For more information on the business transfer degree, see pages 30 and 36-37.

anthropologists in the field, with a focus on the dynamic nature of culture. Social and cultural variations of humankind will be analyzed by comparing the world views of various Western and non-Western peoples.

ANTH& 207 **5 credits**
Intro to Linguistics

Survey of major subfields of linguistics including phonetics, phonology, morphology, syntax, semantics, language acquisitions and sociolinguistics. Prerequisites: completion of ENGL& 101 with a "C" or better. (Formerly ANTH 130.)

ANTH& 217 **5 credits**
Plateau Native Peoples

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.

ANTH 220 **5 credits**
Cross-Cultural Studies

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.

Art

ART& 100 **5 credits**
Art Appreciation

Appreciation of various visual art forms with emphasis on the history, materials and aesthetics of art (not a studio course).

ART 106 **5 credits**
Design: 2-Dimensional Composition and Color

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.

ART 107 **5 credits**
3D Design: Introduction to Sculpture

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.

ART 110 **5 credits**
Drawing I

Introduction to the principles of drawing from observation. Investigation of proportion, modeling and perspective with various drawing media. Prerequisite: ART 106 recommended.

ART 111 **5 credits**
Figure Drawing I

Introduction to the principles and processes of drawing the human figure. Investigation of proportion, gesture and composition with various drawing media from live models.

ART 113 **5 credits**
Drawing II

Continuation of study of the principles of drawing from observation, with investigation of proportion, modeling and perspective in various drawing media. Prerequisite: ART 110.

ART 116 **5 credits**
Drawing: Figure II

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. Prerequisite: ART 111.

ART 117 **5 credits**
Drawing: Figure III

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. Prerequisite: ART 116.

ART 130 **5 credits**
Graphic Design Technology I

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. Prerequisites: basic computer skills required or instructor's signature.

ART 131 **5 credits**
Graphic Design Technology II

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. Prerequisites: ART 130 required or instructor's signature.

ART 132 **5 credits**
3D Digital Design 1: Intro to 3D Comp Aided Model

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.

ART 133 **5 credits**
3D Digital Design 2: Adv Model, Rendering & Pres

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.

ART 134 **5 credits**
Introduction to Graphic Design

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. Prerequisites: ART 130 (may be taken concurrently), or instructor's signature.

ART 135 **5 credits**
Graphic Design I

Covers foundations of two-dimensional visual graphic design, using basic computer skills, techniques and technology. Classic

Tribal Gaming Management (Business, General)

● *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 097 and MATH 099 or appropriate placement scores.

Required Courses: *Certificate of Completion*

Offered at the Omak campus

Core Program Requirements		Credits
ACCT 102	Practical Accounting I <i>or</i>	
BCT 128*	Business Math	5
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
BUS196/296	Cooperative Work Experience <i>or</i>	
BUS 240	Principles of Management (5 credits) 1-5	
ECON 101	Intro. to Economics <i>or</i>	
ECON& 201	Micro Economics <i>or</i>	
ECON& 202	Macro Economics.....	5
ENGL 100*	Writing in the Workplace <i>or</i>	
BCT 205*	Business Communication <i>or</i>	
ENGL& 101*	Composition: General	5
TGM 150	Tribal Law	3
TGM 160	Jurisdictional Issues.....	3
Total Credits for Certificate		45-49

**Placement score required.*

balance sheets, budgets, personnel management, laws and regulations, legal forms, and food safety. Prerequisites: basic command of the English language.

AGRI 017 **19 credits**
Hispanic Orchard Education Level V/Intro Viticulture

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. Prerequisites: basic command of English language.

AGRI 018 **19 credits**
Hispanic Orchard Employee ED Program VI/Advanced Viticulture

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. Prerequisites: basic command of English language.

AGRI 019 **19 credits**
HOEEP VII/Integrated Pest Mgmt Tech/Vineyard Mgmt

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.

AGRI 101 **3 credits**
Introduction to 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.

AGRI 105 **3 credits**
Agricultural Mechanics

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.

AGRI 108 **3 credits**
Introduction to Horticulture

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.

AGRI 116 **1 credit**
Agriculture Lab I

This course provides hands-on opportunities and experiences through organized class activities and projects for fall agricultural practices including: greenhouses, gardens, orchards, vineyards and native landscapes. Ag Labs I, II, and III can be taken in any order.

AGRI 117 **1 credit**
Agriculture Lab II

This course provides hands-on opportunities and experiences

through organized class activities and projects for winter agricultural practices including: greenhouses, gardens, orchards, vineyards and native landscapes. Ag Labs I, II, and III can be taken in any order.

AGRI 118 **1 credit**
Agriculture Lab III

This course provides hands-on opportunities and experiences through organized class activities and projects for spring agricultural practices including: greenhouses, gardens, orchards, vineyards and native landscapes. Ag Labs I, II, and III can be taken in any order.

AGRI 130 **3 credits**
Agricultural Technologies

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.

AGRI 161 **2 credits**
Introduction to Plant Science

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.

AGRI 162 **3 credits**
Introduction to Soils

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.

AGRI 189 **1-5 credits**
Agriculture Leadership

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 experiences 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. Prerequisites: Instructor's signature.

AGRI 254 **5 credits**
Integrated Pest Management

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.

AGRI 255 **5 credits**
Field Based Integrated Pest Management

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.

Business Computer Technology (BCT)

Suggested Course Sequence: Associate of Technical Science Degree Non-Transfer Program

Offered at Wenatchee campus

Prerequisites for ATS degree option: ENGL 097 and MATH 093 or qualifying assessment score, keyboarding skills.

Core Curriculum		Credits
BCT 105	Computer Applications	5
BCT 116	Professional Work Relations.....	3
BCT 118	Customer Relations Management.....	5
BCT 120	Word Processing.....	5
BCT 125	Internet Use.....	2
BCT 170	Microsoft Outlook.....	2
BCT 130	Spreadsheets	5
Total Core Credits		27

Choose ONE specialization:

Required Courses: *Computer Applications Emphasis*

Courses	Credits
BCT 128 Business Math.....	5
BCT 150 Database I.....	5
BCT 160 Presentation Graphics.....	3
BCT 200 Operating Systems.....	5
BCT 205 Business Communication.....	5
BCT 210 Word Processing II.....	5
BCT 220 Spreadsheets II.....	5
BCT 230 Database II.....	5
BCT 250 Desktop Publishing.....	5
BCT 275 Software Integrations.....	3
Electives (BCT, BUS, CSC, ACCT, ART, CWE).....	20
Total Specialization Credits	66
Total Credits for Degree	93

Required Courses: *Administrative Management Emphasis*

Courses	Credits
BCT 128 Business Math.....	5
BCT 160 Presentation Graphics.....	3
BCT 205 Business Communication.....	5
BCT 220 Spreadsheets II.....	5
BCT 251 Web Publishing.....	3
BCT 283 Administrative Management <i>or</i>	
BCT 284 Project Management.....	5
BCT 275 Software Integrations.....	3
BUS& 101 Introduction to Business.....	5
CMST 130 Survey of Digital Communications.....	5
Electives (BCT, BUS, CSC, CTS, ACCT, ART, CWE).....	25
Total Specialization Credits	64
Total Credits for Degree	91

Accounting

ACCT 102 Practical Accounting I 5 credits

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.

ACCT 103 Practical Accounting II 5 credits

This course covers a sole proprietorship merchandising business. Topics include notes payable and receivable, work sheets, financial statements, adjusting and reversing entries, special journals, inventory valuation, and depreciation. Prerequisite: ACCT 102.

ACCT 105 Payroll and Tax Accounting 3 credits

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. Prerequisite: ACCT 102 or equivalent.

ACCT 165 Computerized Accounting 5 credits

A comprehensive study of computerized accounting systems in both service and merchandising environments. Realistic business simulations are analyzed 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. Prerequisites: BCT 105, ACCT 102 or instructor's signature. May be repeated with different software.

ACCT& 201 Principles of Accounting I 5 credits

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. Prerequisite: sophomore standing recommended.

ACCT& 202 Principles of Accounting II 5 credits

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. Prerequisites: ACCT& 201 or instructor's signature.

ACCT& 203 Principles of Accounting III 5 credits

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. Prerequisite: ACCT& 202 or instructor's signature.

Adult Basic Education

The following listed courses are offered fall quarter 2015. A comprehensive program revision is scheduled for winter quarter 2016, to implement the High School 21+ diploma pathway program. For more information about winter- and spring-quarter classes, contact WVC Transitional Studies at 509.682.6790. To enroll in ABE/ESL classes, a pretest is required for course placement. Call 509.682.6790.

ABE 004 ABE Technology Skills 2 credits

Covers basic technology literacy skills enabling success in high-school equivalency assessments or in college transition. Topics include keyboarding, input/output device use, menu and GUI navigation, internet searching, text editing, and information manipulation and organization. Uses contextual material as appropriate for HSE assessment preparation. Prerequisites: CASAS placement test, concurrent enrollment in at least one ABE class.

ABE 030 Basic Reading Skills 5 credits

This course, in conjunction with ABE 031 Intermediate Reading and ABE 032 Advanced Reading, will prepare students to successfully pass the reading portion of the GED as well as transition to college-level coursework. Contextualized learning and goal-setting are emphasized. Prerequisites: appropriate CASAS placement score.

ABE 031 Intermediate Reading Skills 5 credits

This course, in conjunction with ABE 030 Basic Reading and ABE 032 Advanced Reading, will prepare students to successfully pass the reading portion of the GED as well as transition to college-level coursework. Contextualized learning and goal-setting are emphasized. Prerequisites: ABE 030 or appropriate CASAS placement score.

ABE 032 Advanced Reading Skills 5 credits

This course, in conjunction with ABE 030 Basic Reading and ABE 031 Intermediate Reading, will prepare students to successfully pass the reading portion of the GED as well as transition to college-level coursework. Contextualized learning and goal-setting are emphasized. Prerequisites: ABE 031 or appropriate CASAS placement score.

ABE 040 ABE Basic Math (replaces ABE 040, 041, 045, 046) 5 credits

Arithmetic with whole numbers: including counting, identifying place value, ordering, operations on 1 to 3 digit numbers, with multiplying and dividing by only 1 digit numbers. Includes solving problems with whole numbers and understanding basic money problems. Prerequisites: appropriate assessment score.

ABE 041 ABE Intermediate Math (Replaces ABE 042, 047) 5 credits

Involves reading, writing, interpreting and operations on benchmark fractions and decimals: solving fraction, percentage, and decimal problems; solving a variety of word problems

Business Computer Technology (BCT)

Required Courses: *Certificate of Completion*

Offered at Wenatchee campus

Core Curriculum		Credits
BCT 105	Computer Applications	5
BCT 116	Professional Work Relations.....	3
BCT 118	Customer Relations Management.....	5
BCT 120	Word Processing I.....	5
BCT 125	Internet Use	2
BCT 130	Spreadsheets	5
BCT 170	Microsoft Outlook.....	2
Total Core Credits		27

Choose ONE specialization:

Required Courses: *Computer Applications Certificate of Completion*

Prerequisites: MATH 093 or placement score equivalent and ENGL 097 or placement score equivalent.

Courses	Credits
BCT 150 Database I	5
BCT 160 Presentation Graphics	3
BCT 200 Operating Systems	5
BCT 210 Word Processing II	5
Total Specialization Credits	18
Total Credits for Certificate	45

Required Courses: *Administrative Management Certificate of Completion*

Prerequisites: MATH 093 or placement score equivalent and ENGL 097 or placement score equivalent.

Courses	Credits
BCT 160 Presentation Graphics	3
BCT 205 Business Communication	5
BUS& 101 Introduction to Business.....	5
CMST 130 Survey of Digital Communications	5
Total Specialization Credits	18
Total Credits for Certificate	45

Required Courses: *Certificate of Accomplishment*

Offered at Wenatchee and Omak campuses

First Quarter	Credits
BCT 100 Basic Computer Keyboarding.....	2
BCT 105 Computer Applications	5
BCT 120 Word Processing I.....	5

Second Quarter	Credits
BCT 116 Professional Work Relations.....	3
BCT 130 Spreadsheets	5
BCT 125 Internet Use	2
Electives (see BCT adviser)**	8

Total Credits for Certificate 30

**Electives may be taken any quarter.

Directed Study

Directed study allows you to complete an established WVC course through independent study rather than in the classroom. This is a benefit if you need a class that isn't offered during a particular quarter or at a time when attendance is impossible. The course will cover the same objectives and will produce the same learning outcomes as if you had attended a regularly scheduled class.

This agreement is subject to the following stipulations:

- To be eligible, you must have completed 45 credits with a minimum cumulative GPA of 2.5 at WVC. The appropriate administrator must approve any waivers of this requirement.
- A contractual agreement that outlines the terms of the project is arranged between you and the instructor before registration.
- The application process must be completed by the 10th day of the quarter.
- A maximum of five independent project credits can be earned in one quarter.
- Regular admissions policies and tuition costs apply to credit for directed studies.
- Application forms are available in the admissions/registration office, instruction office and online.

Special Topics

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

Independent Projects

With the approval of the appropriate administrator and instructor, you may do independent projects (198 and 298, one to five credits each) that will allow you to pursue enhancements in areas of study not generally available in the established curriculum, such as research, reading and writing.

This agreement is subject to the following stipulations:

- To be eligible, you must have completed 45 credits with a minimum cumulative GPA of 2.5 at WVC. The appropriate administrator must approve any waivers of this requirement.
- A contractual agreement that outlines the terms of the project is arranged between you and the instructor before registration.
- The application process must be completed by the 10th day of the quarter.
- A maximum of five independent project credits can be earned in one quarter.
- Regular admissions policies and tuition costs apply to credit for independent projects.
- Each independent project credit requires you to work 30 hours under supervision of an instructor.

- Application forms are available in the admissions/registration office, instruction office and online.

Looking for some different or interesting options?

- Try distance learning—you can earn your associate of arts and sciences degree through a combination of online and telecourses. You can always mix in day and evening classes taught on both the Wenatchee and Omak campuses.
- Try evening classes—you can earn your associate of arts and sciences degree by taking classes during the evening. You can also mix in some distance learning classes.
- Try Native languages—at our Omak campus, Native languages are taught through a partnership with the Colville Confederated Tribes.
- Try short-term technical programs to assist in career development.
- Try a learning community—watch for offerings of Northwest Nature Writing and Form and Function: Integrating Art and Ornithology. These are 10-credit classes that combine English composition and art with studies of Northwest environments.
- Discover music with state-of-the-art technology—our music majors use PDAs and laptop computers with professional industry software.

Chemical Dependency Studies

Suggested Course Sequence: Associate of Technical Science Degree Program

First Year			Second Year		
		Credits			Credits
Fall Quarter			Fall Quarter		
CDS 100	Survey of Chemical Dependency.....	5	CDS 204	Group Process in Chemical Dependency Treatment	4
CMST&210	Interpersonal Communication	5	CDS 205	Chemical Dependency and the Family....	4
ENGL& 101	Composition: General	5	CDS 295	Field Experience.....	1
PEH 180	Personal Wellness	3	HCA 113	HIV/AIDS Education	1
			PSYC& 200	Lifespan Psychology	5
Winter Quarter			Winter Quarter		
CDS 101***	Physiological Action of Alcohol and Other Drugs.....	5	BCT 116	Professional Work Relations.....	3
CDS 110	Cultural Diversity Counseling	4	CDS 207	Law and Ethics in Chemical Dependency Counseling.....	5
MATH 098	Elementary Algebra	5	CDS 295	Field Experience.....	2
PSYC& 100	General Psychology	5	PEH*	Activity.....	1
				Elective**	5
Spring Quarter			Spring Quarter		
CDS 106	Case Management of Chemical Dependency Client.....	5	CDS 210	Community Prevention.....	3
CDS 140	Chemical Dependency Relapse Prevention	2	CDS 202	Counseling Theory and Techniques.....	5
CDS 150	Counseling the Addicted Adolescent.....	3	CDS 295	Field Experience.....	2
PSYC& 220	Abnormal Psychology	5	HLTH 051	First Aid and CPR.....	1
	Total	52		Total	42
				Total Credits for Degree	94

* Any physical education activity course numbered 101-162 or 226-262 will satisfy this requirement.

** Any course from the following list of electives will satisfy this requirement:

- SOC& 201 Social Problems
- SOC 110 Introduction to Social Work
- SOC 225 Sociology of the Family
- SOC 151 Sociology of Race and Ethnic Groups
- BCT 105 Computer Applications
- SDS 101 Study Skills

***This course is a general elective and may be taken by any WVC student.

Content delivery between campuses may include instructions via interactive television (ITV).

Radiologic Technology *continued*

- Provide a copy of seven contact hour course – Washington State HIV/AIDS Certificate. (Seven-hour online class offered through www.nursingceu.com or any other seven-hour HIV/AIDS class.)
- 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 www.summitamerica-ins.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. 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.

Suggested Course Sequence: Associate of Technical Science Degree Program

Offered at Wenatchee campus

First Year

Spring Quarter	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	4

Summer Quarter

Social Science* Choose any five-credit Psychology, Communications, Anthropology or Sociology class numbered 100 or above	5
ENGL& 101* Composition: General	5
RADT 132 Radiographic Positioning II	4
RADT 151 Imaging Modalities	1
RADT 122 Principles of Exposure II	3

Fall Quarter

RADT 123 Principles of Exposure III	2
RADT 133 Radiographic Positioning III	4
RADT 141 Radiation Biology and Protection	2
RADT 152 Patient Care	3

Winter Quarter

RADT 134 Radiographic Positioning IV	4
RADT 161 Special Procedures	2
RADT 162 Clinical Observation	1
RADT 171 Radiographic Pathology	2
RADT 191 Sectional Anatomy	3

Second Year

Spring Quarter	Credits
RADT 231 Clinical Education I	13
RADT 241 Radiographic Seminar I	1

Summer Quarter

RADT 232 Clinical Education II	9
RADT 242 Radiographic Seminar II	1

Fall Quarter

RADT 233 Clinical Education III	13
RADT 243 Radiographic Seminar III	1

Winter Quarter

RADT 234 Clinical Education IV	13
RADT 244 Radiographic Seminar IV	1

Total Credits for Degree 107

*Course may be taken before being accepted into the radiologic technology program.

Criminal Justice

- **Associate of Technical Science Degree**
- **Associate in Applied Science-Transfer Degree**
- **Corrections Certificate of Completion**

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. Students will study crime prevention and tactical crime and intelligence analysis and its importance to investigation and patrol divisions. Students will also study the psychology of victims, crisis de-escalation and intervention and identification of social services available in the community. At the end of the first year, students will have finished the certificate program in corrections in which specific emphasis will be placed on the application of this education toward institutional and community supervision within the criminal correctional field.

Criminal convictions may eliminate a candidate from consideration for certain types of employment in the field. Prospective students may wish to meet with the criminal justice program coordinator to determine the ramifications of their criminal record.

Core program courses may have prerequisite requirements and computer literacy skills are required. English and mathematics courses require qualifying assessment scores or acceptable preparatory coursework in those subjects. See course descriptions for details.

Note: employment typically requires a candidate to be at least 21 years of age.

Suggested Course Sequence: Associate of Technical Science Degree

Offered on the Wenatchee and Omak campuses

First Year			Second Year		
Fall Quarter		Credits	Fall Quarter		Credits
CJ& 101	Introduction to Criminal Justice.....	5	CJ 201	Criminal Investigations.....	5
CJ& 105	Introduction to Corrections	5	CJ& 210	Police Organization and Admin.....	5
**	Support Course.....	5	**	Support Course.....	5
Winter Quarter			Winter Quarter		
CJ& 110	Criminal Law	5	CJ 220	Crime Scene Investigations	5
CJ 130	Introduction to Juvenile Justice.....	5	CJ 230	Crisis Intervention.....	5
**	Support Course.....	5	**	Support Course.....	5
Spring Quarter			Spring Quarter		
CJ 140	Criminal Justice Report Writing.....	5	CJ 240	Introduction to Traffic Investigations.....	5
CJ 150	Laws of Arrest, Search and Seizure.....	5	CJ 250	Professional Development.....	5
**	Support Course.....	5	**	Support Course.....	5
Total Credits for Corrections Certificate			Total Credits for Degree		
45			90		

**** Support Courses**

These classes need to be completed to qualify for the two-year degree:

- ENGL 097* Composition: Paragraph or higher
- MATH 093* Pre-Algebra or higher
- CMST& 210 Interpersonal Communication **or** CJ 262 Criminal Justice Interpersonal Communication Skills
- PSYC& 100 General Psychology

Approved Electives (10 credits): CJ 260, 261, 262, 270; CMST& 101, 220; PSYC 102, 245; SOC& 101, 201; SOC

110, 151; PEH 103, 104, 161, 162, 261, 262. Other courses may be approved by the program coordinator and dean.

****Support Courses**

These classes need to be completed to qualify for the certificate:

- ENGL 097* Composition: Paragraph or higher
- MATH 093* Pre-Algebra or higher
- CMST& 210 Interpersonal Communication

*Placement score required.

Outdoor Recreation Management

● Associate in Applied Science-Transfer

The WVC Outdoor Recreation Management program is designed around North Central Washington's unique natural environment. This environment provides an abundance of outdoor recreation opportunities that promote physically fit and active lifestyles. Outdoor recreation is a growing field of employment and an important part of our regional economy. Career opportunities are available in outdoor recreation services and tourism in a variety of settings.

The curriculum blends course work in seasonal outdoor recreational activities, physical education, health and fitness, natural resources and business management. Outdoor recreation management is designed for students interested in a wide range of entry- to mid-level career paths in outdoor guiding, camp programming (trip planning and administration), state and federal parks, outdoor/environmental education and positions in management with recreation-related companies.

The associate in applied science-transfer degree has a dual purpose: core technical course work that allows the students the flexibility to prepare for entry-level employment, and a college general education component as preparation for a junior year in a bachelor degree program for students seeking advanced studies at a four-year educational institution.

Suggested Course Sequence: Associate in Applied Science-Transfer Degree Program**

First Year		Second Year	
Fall Quarter	Credits	Fall Quarter	Credits
PEHR 193	Fall Recreation5	BUS 177	Business Leadership Development.....5
ENGL&101*	Composition: General5	BUS 230**	Intro. to Entrepreneurship5
PEH 180	Personal Wellness3	NATR 102	Maps and Navigation.....3
		PEH	Elective.....1
Winter Quarter		Winter Quarter	
PEHR 190	Winter Recreation.....5	BUS 243	Human Resources Management5
MATH*	College Level.....5	PSYC&100	General Psychology5
PEH 182	First Aid Responding to Emergencies.....5	CWE 196	Cooperative Work Experience.....3
		PEH	Elective.....1
Spring Quarter		Spring Quarter	
PEHR 191	Spring Recreation5	PEHR 250	Capstone Project3
CMST&210	Interpersonal Communication <i>or</i>	BCT 118	Customer Relations Management5
CMST&220	Public Speaking.....5	NATR 235	Society and Natural Resources5
BUS 245***	Small Business Management.....5	PEH	Elective.....1
Summer Quarter			
PEHR 192	Summer Recreation5		
BIOL 127	Northwest Environments.....5		
			Total Credits for Degree 95

*Placement score required.

**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)

***Or approved Business electives.

Digital Design

● 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 with 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 adviser 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).

Required courses: *Digital Design Certificate of Completion*

Offered at Wenatchee campus

First Year

Fall Quarter

			Credits
ART	106	2-Dimensional Composition and Design.....	5
ART	110**	Drawing I.....	5
ART	130	Graphic Design Tech I.....	5

Winter Quarter

ART	107	3D Design: Intro. to Sculpture.....	5
ART	132	3D Digital Design 1 (Rhino).....	5
ENGR	105	Computer Aided Design.....	5

Spring Quarter

ART	131**	Graphic Design Tech II.....	5
ENGR	106**	Advanced Computer Aided Design.....	4
MATH	100T*	Technical Math or higher.....	5
ART	133**	3D Digital Design 2 (Rhino).....	5

Second Year

Fall Quarter

ART	111**	Figure Drawing I.....	5
ENGL&	101*	Composition: General.....	5
INDT	276	Digital Design Capstone.....	3
BCT	116	Professional Work Relations.....	3

Total Credits for Certificate **65**

*Placement score required.

**See an art adviser for schedule planning and for specific course prerequisites.

Nursing

Course Sequence: Associate in Applied Science-Transfer Degree Program

Offered at Wenatchee and Omak campuses

First Year and Certificate Program*

First Quarter		Credits
NURS 101	Foundations of Nursing Practice	6
NURS 101L	Foundations of Nursing Practice Lab.....	6
NURS 112	Nursing Success (<i>optional</i>)	2
PCOL 101	Pharmacology in Nursing I	1

Second Quarter

NURS 102	Nursing Concepts I.....	6
NURS 102L	Nursing Concepts I Lab.....	6
PCOL 102	Pharmacology in Nursing II.....	1
NURS 113	Nursing Success (<i>optional lab course</i>).....	1
PSYC&200**	Lifespan Psychology	5

Third Quarter

NURS 103	Nursing Concepts II	6
NURS 103L	Nursing Concepts II Lab.....	6
PCOL 103	Pharmacology in Nursing III	1
NURS 114	Nursing Success (<i>optional lab course</i>).....	1

Fourth Quarter*

NURS 104	Nursing Concepts III.....	6
NURS 104L	Nursing Concepts III Lab.....	6
PCOL 104	Pharmacology in Nursing IV	1

Second Year

Fifth Quarter		Credits
NURS 201	Advanced Nursing Concepts I	6
NURS 201L	Advanced Nursing Concepts I Lab.....	6
NURS 210	Senior Seminar I (<i>optional</i>).....	1

Sixth Quarter

NURS 202	Advanced Nursing Concepts II	6
NURS 202L	Advanced Nursing Concepts II Lab.....	6

Seventh Quarter

NURS 203	Advanced Nursing Concepts III.....	6
NURS 203L	Advanced Nursing Concepts III Lab	6
NURS 214	Senior Seminar II (<i>optional</i>)	1
Elective**	Social Science or Humanities	5

Total Credits for Degree 98

*Practical Nursing Certificate of Completion issued at successful completion of fourth quarter.

**Courses may be taken before being accepted into the nursing program.

Content delivery between campuses may include instruction via interactive television (ITV).

Early Childhood Education

Suggested Course Sequence: Associate of Technical Science Degree Program
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.

First Year

Fall Quarter	Credits
ECED& 105 Intro. to Early Childhood Education.....	5
ECED& 120 Practicum-Nurturing Relationships.....	2
ECED& 107 Health, Safety and Nutrition	5
ECE 119 Cornerstone.....	1

Note: students completing ECED& 105, ECED& 120 and ECED& 107 and who have received training in CPR/first aid and bloodborne pathogens may be eligible to test for the Child Development Associate national certification. Contact ECE program adviser at 509.682.6633 for further information.

Winter Quarter

ENGL 100* Writing in the Workplace or higher.....	5
EDUC& 115 Child Development	5
EDUC& 130 Guiding Behavior	3

Spring Quarter

CMST& 101 Intro. to Communication <i>or</i>	
CMST&210 Interpersonal Communication <i>or</i>	
CMST&220 Public Speaking	5
ECED& 170 Environments for Young Children.....	3
ECED& 190 Observation and Assessment	3
ECE 132 Field Experience II	2

Note: concurrent enrollment in ECED& 190 and ECE 132 required

Summer Quarter

ECED&160 Curriculum Development.....	5
ECED&180 Language and Literacy Develop.	3
EDUC& 150 Child, Family and Community.....	3
Total	50

Second Year

Fall Quarter	Credits
ECE 117 Diversity	3
ECE 222 Arts and the Creative Process	3
ECE 220 Math and Science in Early Childhood	3
MATH& 171* Math for Elementary Educators I	5

Winter Quarter

ECED& 132 Infant & Toddlers.....	3
EDUC& 136 School Age Care Management <i>or</i>	
ECED& 134 Family Child Care.....	3
ECED& 139 Administration of Early Learning Prog....	3
ECE 219 Language and Literacy Develop. II	5

Spring Quarter

EDUC& 204 Exceptional Child	5
ECE 221 Movement/Motor Development.....	3
ECE 290 ECE Practicum.....	4
ECE 260 ECE Capstone.....	1
Total	41

Total Credits for Degree 91

**Placement score required.*

Nursing

- **Practical Nursing Certificate of Completion**

Successful completion of the first year of the associate degree program (four quarters) entitles students to take the licensure examination (NCLEX-PN®) for practical nursing. Students may opt to exit the nursing program at this level.

- **Associate in Applied Science-Transfer**

Completion of the two-year program (seven quarters) entitles students to take the licensure examination (NCLEX-RN®) for registered nursing.

WVC offers the 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, 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, 409.975.5000).

The nursing program is a limited-enrollment program and is subject to special admission requirements and procedures for both the first and second year. Completion of the nursing program does not guarantee certification or licensing.

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 you have earned credit (excluding WVC).
- Demonstrate a cumulative college GPA of 2.5 or higher.
- All students planning to apply to the nursing program must take and pass the TEAS® V test. Visit the WVC Nursing website for more information about the test, www.wvc.edu/nursing.

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

- **Associate in Applied Science-Transfer Degree Applicants (as of July 1, 2014, students interested in the nursing program should apply for the AAS-T degree):**
 BIOL& 241 Human Anatomy & Physiology 1
 BIOL& 242 Human Anatomy & Physiology 2
 BIOL& 260 Microbiology
 ENGL& 101 Composition: General
 MATH& 146 Introduction to Statistics
 One of the following: Nursing Assistant Certificate of Completion from approved program (e.g., NURS 100A at WVC) or a current Washington State NA-C license

For additional nursing program admission information, please visit www.wvc.edu/directory/departments/nursing/nursingadmission.asp

The nursing program is one of several limited-enrollment programs at WVC and as such adheres to specific entrance criteria. Please 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.

Early Childhood Education State Certificate Options

Offered at Wenatchee and Omak campuses

Prerequisites for certificate of accomplishment options: qualifying COMPASS assessment scores for placement in ENGL 090 or ENGL 092 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.

Fall Quarter	Credits
ECED& 105 Intro. to Early Childhood Education.....	5
ECED& 107 Health, Safety and Nutrition	5
ECED&120 Practicum-Nurturing Relationships	2
Total Credits for Certificate	12

Required Courses: State Short ECE Certificate of Specialization - School Age Care

Fall Quarter	Credits
ECED& 105 Intro. to Early Childhood Education.....	5
ECED& 107 Health, Safety and Nutrition	5
ECED&120 Practicum-Nurturing Relationships	2
Winter Quarter	
EDUC& 115 Child Development	5
EDUC& 136 School Age Care Management	3
Total Credits for Certificate	20

Required Courses: State Short ECE Certificate of Specialization - General

Fall Quarter	Credits
ECED& 105 Intro. to Early Childhood Education.....	5
ECED& 107 Health, Safety and Nutrition	5
ECED&120 Practicum-Nurturing Relationships	2
Winter Quarter	
EDUC& 115 Child Development	5
EDUC& 130 Guiding Behavior	3
Total Credits for Certificate	20

Required Courses: State Short ECE Certificate of Specialization - Family Child Care

Fall Quarter	Credits
ECED& 105 Intro. to Early Childhood Education.....	5
ECED& 107 Health, Safety and Nutrition	5
ECED&120 Practicum-Nurturing Relationships	2
Winter Quarter	
EDUC& 115 Child Development	5
ECED& 134 Family Child Care.....	3
Total Credits for Certificate	20

Required Courses: State Short ECE Certificate of Specialization - Infants and Toddlers

Fall Quarter	Credits
ECED& 105 Intro. to Early Childhood Education.....	5
ECED& 107 Health, Nutrition & Safety.....	5
ECED&120 Practicum-Nurturing Relationships	2
Winter Quarter	
EDUC& 115 Child Development	5
ECED& 132 Infant & Toddler.....	3
Total Credits for Certificate	20

Required Courses: State Short ECE Certificate of Specialization - Administration

Fall Quarter	Credits
ECED& 105 Intro. to Early Childhood.....	5
ECED& 107 Health, Safety and Nutrition	5
ECED&120 Practicum-Nurturing Relationships	2
Winter Quarter	
EDUC& 115 Child Development	5
ECED& 139 Administration of Early Learning Prog....	3
Total Credits for Certificate	20

Multi-Occupational Trades

- **Associate of Technical Science Degree (Apprentice Degree)**

The primary function of the multi-occupational trades associate of technical 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 Technical Science Degree

This program is not eligible for financial aid.

Offered at the Wenatchee campus

Required Courses		Credits
MATH 100T*	Technical Math or higher	5
ENGL 100*	Writing in the Workplace or higher.....	5
BCT 116	Professional Work Relations.....	3
BCT 105	Computer Applications	5

Electives– Choose 12 credits from:

BCT 100	Basic Computer Keyboarding.....	2
BUS& 101	Introduction to Business.....	5
CMST&101	Introduction to Communication.....	5
MATH&146*	Introduction to Stats	5
PSYC 102	Psychology of Adjustment	5
READ 100*	Technical Reading	5
SDS 101*	Study Skills.....	5
SDS 105	Effective Leadership.....	3
SDS 106	Career and Life Planning.....	3
SDS 110	Critical Thinking.....	2

Total Credits for Degree 30

**Placement score required.*

Environmental Systems and Refrigeration Technology (ESRT)

- **Associate of Technical Science Degree**
(requires completion of first- and second-year courses)
- **Certificate of Completion:**
 - **Basic HVACR and Controls (entire first year)**
 - **Commercial/Industrial HVACR and DDC Controls**
(entire second year plus ENGL 100, MATH 100T, BCT 116)

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, 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, heating systems, control fundamentals, DDC and PLC controls, boiler systems, and basic welding. Additional course work emphasizing energy efficiency includes efficient HVAC systems, energy load calculations, 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. Prior to entry into the program, documentation of computer literacy is required. If students complete the ESRT associate of technical science (ATS) 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 HVAC Safety card, the EPA 608 Refrigerant Handling Universal License and a current first aid card with CPR.

Medical Laboratory Technology

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.

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 a copy of seven contact hour course – Washington State HIV/AIDS Certificate. (Seven-hour online class offered through www.nursingceu.com or any other seven-hour HIV/AIDS class.)
- 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 www.summitamerica-ins.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.
- 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.

Regional MLT Program

The entire two years of the program need not be taken on the Wenatchee campus; some courses can be taken through Wenatchee Valley College at Omak, Spokane Community College or Spokane Falls Community College, Walla Walla Community College and Blue Mountain Community College (Pendleton, Oregon).

During the second year of the program, students from Omak must join with all the Wenatchee students and take MLT 150 and 151 on the Wenatchee campus. Other areas are able to take all required courses totally within their regional area and are not required to take any courses in Wenatchee. Clinical training during the second year is available in medical laboratories in the areas surrounding each area where the program is available. The lectures (MLT 213, 223 and 233) and labs (MLT 214, 224 and 234) during the second year are taught by the use of either online materials or in live interactive TV classrooms. Registration for the final five quarters is only through WVC. At the conclusion of the program students will be qualified to take a national certifying examination (ASCP or BOC).

For more information, visit www.wvc.edu/mlt. Specific information regarding application to the program is available on this site as well.

Industrial Technology Programs

- **Aerospace Electronics**, pages 73-74
Associate of Technical Science Degree
Aerospace Electronics Technician Certificate of Completion
Pathway Readiness Certificate
- **Drafting**, page 75
Certificate of Completion
- **Electronics**, page 76
Associate of Technical Science Degree
Electronics Technician Certificate of Completion
- **Machining**, page 77
Associate of Technical Science Degree
Certificate of Completion
- **Welding and Fabrication**, page 78
Certificate of Completion

WVC Industrial Technology offers students five programs from which to choose. Certificate programs in drafting technology or welding and fabrication provide training for individuals seeking employment in construction, maintenance, repair and fabrication fields, or within architect, utilities and engineering firms. The electronics program offers students the option of the two-year associate of technical science degree that provides training for maintenance electricians and electronics technicians within industrial facilities as well as advanced-level training for plant electricians and other employees seeking to improve their work classification within their company. The industrial technology-aerospace electronics associate of technical science (ATS) degree and one-year aerospace electronics technician certificate program provide a broad foundation in electronics training. The industrial technology machining program associate of technical science degree and one-year certificate program are designed to prepare students for immediate employment by integrating theory and practical applications.

Each program of study has specific requirements and varying time frames in which the courses must be completed.

Medical Assistant

- 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 www.summitamerica-ins.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

Suggested Course Sequence: *Certificate Program*

Offered at the Wenatchee campus

In the 2015-2016 academic year, there is a fall-start program and a winter-start program.

First Year - First Quarter		Credits
HCA 110	Medical Office I.....	5
HCA 113	HIV/AIDS Education	1
HCA 115	Clinical Procedures I.....	7
HCA 118	Medical Law and Ethics	2
First Year - Second Quarter		
HCA 120	Medical Office II	5
HCA 125	Clinical Procedures II	7
HCA 111	Body Structure and Function.....	5
First Year - Third Quarter		
HCA 116	Office Communications.....	3
HCA 112	Pharmacology.....	5
HCA 135	Clinical Procedures III.....	7
BCT 116	Professional Work Relations.....	3
First Year - Fourth Quarter		
HCA 260	Externship for Health Care Assistants....	8
HCA 265	Externship Seminar.....	2
Total Credits for Program		60

Aerospace Electronics (Industrial Technology - Aerospace Electronics)

Suggested Course Sequence:

*Aerospace Pathway Readiness Certificate***

Offered at Wenatchee campus

First Quarter		Credits
INDT 100	Intro. to Aerospace Electronics.....	3
ELEC 125	Wiring Diagrams and Schematics.....	5
ENGL 100*	Writing in the Workplace or higher.....	5
OCED 100	Essentials for Job Success	1
Second Quarter		
OCED 130	Industrial Safety	5
ELTRO 101	Basic DC-1	5
MATH 093*	Pre-Algebra or higher.....	5
Total Credits for Certificate		29

**Placement score required.*

***This certificate program does not qualify for financial aid if taken outside of the longer certificate or associate of technical science degree.*

Welding and Fabrication (Industrial Technology - Welding and Fabrication)

● **Certificate of Completion**

WVC's Industrial Technology program offers a welding and fabrication certificate. This training provides individuals with skills to perform welding duties in construction, repair, maintenance and fabrication employment fields. The program consists of four core welding technique classes that include: Oxyacetylene Welding (Gas Welding), Shielded Metal Arch Welding (Arc or Stick Welding), Gas Metal Arc Welding (Wire Feed or MIG Welding) and Gas Tungsten Arc Welding (TIG Welding). The certificate also includes two courses in metal fabrication and a WABO (Washington Association of Building Officials) testing preparatory course. This certificate program is desirable for either a home metal-worker or for those individuals that want to enter the welding job market.

WVC is an approved Washington Association of Building Officials (WABO) testing site. Call 509.682.6900 for more information.

For more industrial technology degree options see pages 73 through 78 of the catalog.

Required Courses: Certificate of Completion

Offered at the Wenatchee campus

This certificate program is not eligible for financial aid.

Required courses	Credits
WELD 128 Basic Welding.....	3
WELD 131 Gas Welding.....	3
WELD 132 Arc Welding.....	3
WELD 220 Welding Certification Prep.....	2
INDT 135* Metal Fabrication I.....	5
INDT 136** Metal Fabrication II.....	3
Total Credits for Certificate	19

**INDT 135 is offered winter quarter. WELD 128 may be taken concurrently.*

***INDT 136 is offered spring quarter.*

Industrial Technology - Electronics

- **Associate of Technical Science Degree**
- **Electronics Technician Certificate of Completion**

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 technical science (ATS) degree, work closely with the program adviser 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 ATS 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 assessment scores or acceptable preparatory coursework in those subjects. See course descriptions for details. If students complete the industrial technology - electronics ATS degree, they can earn electrical hours toward the Washington State Labor and Industry (07) Nonresidential Maintenance Specialty Electrical License.

Suggested Course Sequence:

Associate of Technical Science Degree (requires all first- and second-year courses)

Electronics Technician Certificate of Completion (entire first year)

Offered at Wenatchee campus

First Year		Second Year	
Fall Quarter	Credits	Fall Quarter	Credits
ELEC 125	Wiring Diagrams and Schematics.....5	CTS 110	Computer Hardware.....5
ELTRO 101	Basic DC-15	ELTRO 202	Intro. to the NEC2
BCT 116	Professional Work Relations.....3	ELTRO 210	Programming Software for PLCs.....5
ENGR 102	Engineering Graphics and Design4	ELTRO 223	Programming Software for Tag-Based PLCs.....3
Winter Quarter		Winter Quarter	
ENGL 100*	Writing for the Workplace or higher5	WELD 128	Basic Welding.....3
ENGR 105	Computer Aided Design.....5	ELTRO 220	Control Devices and Motor Drives.....3
ELEC 115	Applied Electricity5	ELTRO 221	Graphic Interface Programs for PLCs.....5
ELTRO 121	Digital Electronics5	ELEC 225	Industrial Electricity and Controls.....5
Spring Quarter		Spring Quarter	
MATH 100T*	Technical Math or higher5	INDT 164	Plant Maintenance5
OCED 130	Industrial Safety.....5	ELTRO 230	Programmable Logic Controller Network.....5
ELTRO 132	Intro. to Computer Controls and PLCs....5	ELTRO 231	Troubleshooting Electronic PLC Control Systems.....5
ELEC 135	Control Fundamentals.....3	ELTRO 240	Industrial Hydraulics and Pneumatics....5
	Total Credits for Certificate 55		Total Credits for Degree 106

*Placement score required.