

CATALOG 2025- 2026



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**Welding
Technology**
[p. 147]

SVC | Skagit Valley College

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Academic Calendar

SUMMER QUARTER 2025 JULY 2 TO AUG. 21

All Classes Begin July 2
 Finals Week No Finals Week
 Last day of classes Aug. 21

FALL QUARTER 2025 SEPT. 23 TO DEC. 12

Institutional Meeting Days* (No classes) Sept. 15 to 16
 Non-Instructional Days* (No classes) Sept. 17 to 19
 Non-Instructional Day* (No classes) Sept. 22
 Classes Begin Sept. 23
 Institutional Meeting Day* (No classes) Nov. 7
 Veterans Day (Holiday) Nov. 11
 Thanksgiving Recess (Holiday) Nov. 27 to 28
 Finals Week Dec. 8 to 12
 Last day of classes Dec. 12
 Non-Instructional Day* (No classes) Dec. 15
 Winter Break Dec. 13 to Jan. 5

WINTER QUARTER 2026 JAN. 6 TO MARCH 20

Non-Instructional Day* (No classes) Jan. 5
 Classes Begin Jan. 6
 Martin Luther King Day (Holiday) Jan. 19
 Presidents' Day (Holiday) Feb. 16
 Finals Week March 16 to 20
 Last day of classes March 20
 Non-Instructional Days* (No classes) March 23 to 24
 Spring Break.....March 21 to April 6

SPRING QUARTER 2026.....APRIL 7 TO JUNE 18

Non-Instructional Day* (No classes) April 6
 Classes Begin April 7
 Institutional Meeting Day* (No classes) May 8
 Memorial Day (Holiday) May 25
 Finals Week June 15 to 18
 Last day of classes June 18
 Juneteenth (Holiday) June 19
 Non-Instructional Day* (No classes) June 22



Campus Locations

Mount Vernon Campus

2405 East College Way
Mount Vernon, WA 98273
Phone: **360.416.7600**
Toll-Free: **877.385.5360**

Important Service Numbers

- Admissions: **360.416.7700**
- Advising: **360.416.7654**
- Disability Access Services: **360.416.7818**
- Library: **360.416.7837**
- Financial Aid: **360.416.7666**
- Registration: **360.416.7700**
- Security and Parking: **360.416.7777**

Whidbey Island Campus

1900 SE Pioneer Way
Oak Harbor, WA 98277
Phone: **360.675.6656**

Important Service Numbers

- Admissions: **360.679.5319**
- Counseling: **360.679.5319**
- Disability Access Services: **360.679.5393**
- Library: **360.679.5322**
- Financial Aid: **360.679.5320**
- Registration: **360.679.5330**
- Security: **360.679.5383**

San Juan Center

221 Weber Way
Friday Harbor, WA 98250
Phone: **360.378.3220**

Marine Technology Center

1606 R. Avenue
Anacortes, WA 98221
Phone: **360.766.6282**

Cardinal Craft Brewing Academy

15579 Peterson Road
Burlington, WA 98233
Phone: **360.416.2537**

skagit.edu/locations

Credits and Disclaimers

This catalog provides information for the 2025-2026 academic year. Skagit Valley College reserves the right to make changes to this catalog including, but not limited to, tuition, fees, and degree/program information at any time.

This edition of the Skagit Valley College academic catalog is effective beginning with Summer Quarter 2025 through Spring Quarter 2026. Every effort has been made to ensure the accuracy of the information contained in this publication. Students are advised, however, that such information is subject to change without notice, and advisors should, therefore, be consulted on a regular basis for current information. This catalog was published in May 2025.

SVC catalogs, class schedules, web site, fee schedules, and so on, do not create binding contracts between Skagit Valley College and its students. The college and its divisions reserve the right at any time to make changes in any regulations or requirements governing instruction in and graduation from the college and its various divisions. Changes shall take effect whenever the proper authorities determine and shall apply not only to prospective students but also to those who are currently enrolled at the college. Except as other conditions dictate, Skagit Valley College will make every reasonable effort to ensure that students currently enrolled in programs, and making normal progress toward completion of any requirements, will have the opportunity to complete any program which is to be discontinued. Skagit Valley College's total liability for student claims related to classes or programs shall be limited to the tuition and expenses paid by the student to the college for those classes. In no event shall the college be liable for any special, indirect, incidental or consequential damages, including but not limited to, loss of earnings or profits.

Tuition is set by the Washington State Legislature and is subject to change without notice. For a current list of fees or other information, visit www.skagit.edu/tuition-fees or contact the Office of the Vice President of Student Services.

All Skagit Valley College publications and documents are available in alternate formats upon request by calling Disability Access Services at 360.416.7818.

Skagit Valley College offers academic transfer pathways, workforce education degrees and certificates, basic education for adults, and lifelong learning opportunities. Skagit Valley College is committed to equity as its framework in providing access, supporting achievement, and strengthening community. Skagit Valley College will take steps to ensure that the lack of English language skills will not be a barrier to admission and participation in all educational programs.

Skagit Valley College provides a drug-free environment and does not discriminate on the basis of race, color, religion, national origin, sex, gender identity, sexual orientation, disability, marital status, or age in its programs and employment. The following person has been designated to handle inquiries regarding the non-discrimination policies: Associate Vice President of Human Resources and Title IX Coordinator – Skagit Valley College, 2405 East College Way, Mount Vernon, WA 98273.

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All My Relations Powwow, May 17, 2025. Photo by Liz Crookes.

1 About Our College



President's Message

At Skagit Valley College (SVC), we believe that **everybody has a story and every story matters**. Whether you are just beginning your academic journey, returning to school, or building toward a new goal, your path is important. **You belong here!**

SVC proudly serves Skagit, Island, and San Juan counties by expanding access to education and opportunity. Our commitment to equity, student success, and community is at the heart of everything we do.

With flexible class options including on campus, online, and hybrid formats, and a dedicated team of faculty and staff, we are ready to meet you where you are and support you every step of the way.

On behalf of the Board of Trustees, faculty, and staff, welcome to Skagit Valley College. We are honored to be part of your story and look forward to helping you grow, thrive, and succeed.

Sincerely,

Dr. Christopher Villa
President, Skagit Valley College

President and Board of Trustees

Dr. Christopher Villa, SVC President
Mariko K. Doerner, Board of Trustees Member, Chair
Flora Perez-Lucatero, Board of Trustees Member, Vice-Chair
Carl Bruner, Board of Trustees Member
Megan Scott O'Bryan, Board of Trustees Member
Ozell M. Jackson III, Board of Trustees Member

1 About Our College

Mission

Skagit Valley College cultivates student learning and achievement; contributes to the educational, personal, and economic success of students; and promotes equitable and thriving communities.

Vision

The primary focus of SVC is student-centered teaching and learning. We are committed to:

- Equitable student outcomes in access, achievement, and community;
- Our Guiding Principles;
- Decisions based on strategy and evidence;
- Development of our employees; and
- A diverse and inclusive college community where everyone belongs.

Guiding Principles

- Respect
- Integrity
- Open and Honest Communication
- Collaboration
- Compassion

A Quick Look at Skagit Valley College

Skagit Valley College is a public community college, operating under the supervision of a local Board of Trustees appointed by the governor. SVC's district includes Skagit, Island, and San Juan counties.

Accreditation

SVC is accredited by the Northwest Commission on Colleges and Universities (NWCCU).

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

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

Inquiries regarding an institution's accredited status by the NWCCU should be directed to the administrative staff of the institution. Individuals may also contact:

Northwest Commission on Colleges and Universities
8060 165th Avenue N.E., Suite 100
Redmond, WA 98052
425.558.4224
www.nwccu.org

Brief History

Skagit Valley College, originally named Mount Vernon Junior College, began serving students in 1926 as an adjunct to Union High School in Mount Vernon. The name was changed to Skagit Valley Junior College in 1948, and in 1958 the present name was adopted. Skagit Valley College has the proud distinction of being the second oldest community college in Washington State.

During the early years, classes were held on the top floor of the high school building. In 1955, a permanent site of 35 acres was purchased and a complex of six buildings was completed in 1959. Because of immediate increases in student enrollment, another 10 acres of land was purchased and a new Library building was constructed. Additional purchases of land have brought the total campus area in Mount Vernon to more than 110 acres.

Currently, SVC serves students at the Mount Vernon campus in Mount Vernon and at the Whidbey Island campus in Oak Harbor. The college also operates three centers: San Juan Center in Friday Harbor, Marine Technology Center in Anacortes, and the Cardinal Craft Brewing Academy in Burlington.

Skagit Valley College Foundation

Phone: 360.416.7717
 Website: www.skagitfoundation.org

Since 1978, generous donors, enthusiastic alums, and dedicated volunteers have helped sustain and grow the Skagit Valley College Foundation with their donations, talent, and insight to build one of the premier community college foundations in Washington. The Skagit Valley College Foundation is a 501(c)(3) nonprofit organization that assists students with scholarships, emergency funds, and childcare vouchers, enhances innovative instruction, and supports campus development programs. A volunteer Board of Governors provides leadership to the Skagit Valley College Foundation. To learn more about opportunities to support SVC programs and students, visit www.skagitfoundation.org or call 360.416.7717.

2 The SVC Advantage

A Learning College

SVC has a deep commitment to putting learning first and providing you with challenging and affordable educational opportunities through many delivery modes.

Affordability

We know you look for the best value, and SVC is an affordable option. Our tuition is lower than tuition at a four-year college or university, resulting in a real savings to you. If you find that you need financial assistance, scholarships, loans, and grants may be available to you. Find out more about **Tuition, Financial Aid and Funding**, [pp. 17–21] in this catalog.

Diverse Course and Program Options

- As a transfer degree student, you can take your first two years of college at Skagit Valley College and then transfer to a four-year college or university as a junior. Our graduates who go on to universities do as well or better than students who begin college at four-year schools.
- Or, if your goal is to retool or launch a new career, we offer Professional/Technical degrees and certificates in some of today's most in-demand fields: Nursing and Diesel Power Technology, to mention two.
- If you have been away from college for some time, our advising staff can help make the transition less stressful.
- Our Basic Skills courses are designed to help you brush up on subjects like Math, English and Reading, complete high school or get your GED®.
- Learn in the classroom or online.
- We also offer English Language Acquisition courses.
- Of course, you are also welcome to take courses for personal enrichment.

Exceptional Faculty/Small Class Size

At SVC, we keep class sizes small to allow personal interaction with your instructors and with other students. We believe communication, interaction, and critical thinking are essential skills to your success at SVC. Faculty members at Skagit Valley College are dedicated to helping you achieve the well-rounded education and up-to-date skills that you expect. They bring their enthusiasm for learning into the classroom.

Quality Curriculum

If you want to challenge your mind, SVC is right for you! SVC is a national leader in teaching interdisciplinary classes. For example, you can study Physics in a Learning Community or study English linked with a distribution course. These innovative courses link faculty from different departments and have earned high praise from SVC graduates.

Commitment to Diversity, Inclusion, and Safety

SVC believes that you are a unique individual and that you deserve an opportunity to learn and live in a positive environment. Our goal is to foster values that promote open-mindedness, awareness, sensitivity, and respect for differences.

Research and Assessment Activities

Phone: 360.416.7738

In order to determine whether we are accomplishing our college mission, vision, and guiding principles, we evaluate and assess our programs, courses, services, and students.

Assessment starts with what matters most - you, the student. You may be asked to participate in various surveys, interviews, focus groups, and other data-collection efforts by the college. Since our mission is directed to the education of the whole person, your achievement can be measured only by evidence concerning the whole person. We use the information gathered through assessment for research purposes. SVC protects the privacy of student records in keeping with the Family Education Rights and Privacy Act (FERPA). For more information about FERPA, visit Enrollment Services at your campus or center. Our goal through assessment is to increase your learning, satisfaction, and success. We value your contribution to the assessment effort. Contact the Institutional **Planning and Effectiveness Office** at 360.416.7738 for more information.

Enrolling Access, Student Success

Hispanic Serving Institution (HSIs) are defined in Title V of the Higher Education Act as not-for-profit institutions of higher learning with a full-time equivalent (FTE) undergraduate student enrollment that is at least 25% Hispanic (HACU, 2025).

7,375
Total Students

53%
Students Receiving Financial Aid

39%
First Generation Students



www.skagit.edu/hsi

Hispanic Excellence and Advancement

Phone: 360.416.7930
Website: www.skagit.edu/hsi

Across Washington state, there are eight colleges and universities designated as HSIs. Skagit Valley College (SVC) is the first and only HSI in Western Washington state. SVC, a nearly 100-year-old institution was identified as an emerging HSI for more than ten years prior to being federally designated in 2024. Rather than taking a reactive approach to the designation, SVC integrated an institutional goal to become an HSI in its operational and strategic plan in 2012.

For more than 10 years, there has been a strong focus to intentionally serve Latine students in our county. By using local and state level data, strategies to becoming an HSI and professional development for employees were developed. Today, SVC is the only college in Western Washington with the HSI designation and is amongst those leading institutional servingness for Latine students.



Skagit Valley College
**HISPANIC SERVING
INSTITUTION**

3 Enrollment Services

Admissions

SVC admits students on a quarterly first-come, first-served basis. If you are a high school graduate and you apply to SVC, you are eligible for admission.

If you are not a high school graduate, and you are 18 years of age or older, you may be admitted if:

- 1. Your high school class has graduated; or
- 2. Your high school district has released you; or
- 3. You have successfully completed the General Educational Development (GED®) or other high school equivalency test

If you are under the age of 18 and a high school junior or senior, you may apply to participate in the Running Start Program. Students younger than high school age and are not enrolled in a dual credit program may seek to be conditionally admitted after receiving permission to enroll from the high school district in which you reside and the Skagit Valley College Dean of Enrollment Services and Veterans Services.

Admissions forms can be found on **SVC’s website**.

Students are admitted to SVC in the order applications are received and in the quarter in which they want to begin. During registration, if a course fills, students who could not enroll in the course may place themselves on a course waitlist. As vacancies occur, students on the course waitlist will be enrolled in the order in which they appear on the waitlist. See additional information about **waitlist procedures** on the SVC website.

ADMISSION TO BACHELOR OF APPLIED SCIENCE DEGREE PROGRAMS

Students applying for admission to SVC’s Bachelor of Applied Science degree programs must meet the entrance requirements to be considered. Acceptance into a Bachelor of Applied Science degree program requires prior completion of a two-year Associate degree (90 college-level credits) with a cumulative GPA of 2.5 or higher. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

ADMISSION TO BACHELOR OF APPLIED SCIENCE OR BACHELOR OF SCIENCE - COMPUTER SCIENCE PROGRAM

SVC’s Bachelor of Applied Science and Bachelor of Science–Computer Science degrees admission criteria, and application steps for specific degrees, are noted in the **Bachelor’s Program** website.

SELECTIVE ENTRY ADMISSIONS PROGRAMS

As per **Policy 5110**, SVC is an open access institution. In some cases, entry into a specific certificate or degree program may be restricted due to limited space or specialized admissions criteria.

How to Apply

Mount Vernon:	360.416.7700
Whidbey Island:	360.679.5319
San Juan:	360.378.3220

Submit a SVC Application, available online through the SVC website. Learn more about your steps to becoming a Cardinal here: **skagit.edu/getstarted**.

Nuestros empleados que hablan en español están disponibles para responder tus preguntas acerca de Skagit Valley College. Por favor llama a la línea directa en español al 360.416.7740. También puedes llamar al 360.416.7600 y marcar 8.

Running Start

To become a Running Start student, students should speak with their high school counselor and review the **skagit.edu/runningstart** website. Students must submit an admissions application and a current high school transcript as part of the enrollment process. A signed **Running Start Enrollment Verification Form** is required each quarter at the time a Running Start student registers.

How to Apply as a Drop-in Student

If you would like to attend SVC but are not seeking a degree or certificate, you may register as a “drop-in” student. Go to **skagit.edu/drop-in-students** for more information and current registration dates.

Veterans and Dependents of Veterans

Mount Vernon:	360.416.7610
Whidbey Island:	360.679.5389

SVC is proud to support the educational pursuits and career goals of veterans. As acknowledgment for their service, SVC offers priority enrollment to veterans and eligible dependents. Please check the Enrollment Services important dates and deadlines for registration dates.

Students must contact the Veterans Office within the first few weeks of the academic quarter to enroll and request certification for benefits. Failure to submit the required certification within 30 days from the first day of the academic quarter will result in your classes not being certified for VA benefits, and you will be held financially responsible for any tuition and fees associated with those classes and training.

3 Enrollment Services

If you are a veteran, or a dependent of a veteran, you may be eligible to utilize Veterans Education benefits. For more information on **Veterans benefits opportunities**, see [p. 12] located in the Support Services section of this catalog, or contact one of our Veterans Education Offices.

Skagit Valley College complies with the Department of Veterans Affairs 85/15 rule for benefit enrollment purposes.

POLICY STATEMENT

SVC is committed to maintaining a fair and transparent recruitment process that respects the rights of all service members. We strictly prohibit the use of high-pressure recruitment tactics for securing enrollment of service members. Additionally, SVC does not offer any commission, bonus, or other incentives based on enrollment or financial aid success to individuals or entities involved in student recruiting or admissions activities.

SVC complies with the Department of Veterans Affairs 85/15 rule.

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

If you are a veteran or a dependent of a veteran, you may be eligible to utilize Veterans Education benefits. For more

information on veterans benefits opportunities, see the Veterans Education Services section located in the Support Services section of this catalog, or contact one of our Veterans Education Offices above.

"GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by the VA is available at the official U.S. government website at <https://www.benefits.va.gov/gibill>."

International Students

Phone: 360.416.7620
Email: international.admissions@skagit.edu

Here's Why Students Choose SVC

At SVC you will not only get a top-notch education but also experience a vibrant and supportive community, all in one of the most beautiful areas of the Pacific Northwest.

International Programs Office

SVC's International Programs Office provides services to international students attending SVC.

If you choose to study at SVC, you are sure to have the opportunity to receive an excellent education. You will find many qualities that may meet your needs: a family-like atmosphere where everyone is welcome, an appreciation of diversity and a desire to enrich the education we provide with a global perspective.

INTERNATIONAL PROGRAMS

Steps to Becoming a **CARDINAL**

Applying to SVC is Easy

If you do not have an English proficiency test score (TOEFL, IELTS or Duolingo) you will be given an English Placement Test before registering for classes. Students whose test results show skills adequate for college work will be excused from English as a Second Language (ESL). Others will be required to take ESL classes until the language requirements have been met.

- 1 Fill Out Application
- 2 Submit a Copy of Your Passport
- 3 Submit Official Bank Statements
- 4 If Applicable, Submit a TOEFL Score
- 5 Submit Application Fee



Get
Started
Online



skagit.edu/international/application

International Programs

Telephone: 360.416.7734 | Fax: 360.416.7868

international.admissions@skagit.edu

skagit.edu/international



3 Enrollment Services

Students from throughout the world choose SVC for many reasons including:

- Small town environment
- Family-like atmosphere
- No TOEFL or IEFL scores are required for admission
- Peer Mentor Program
- Small classes, personal attention
- One-to-one attention through an International Student Office with staff members to help you with all your needs
- Excellent transfer record to 4-year institutions
- Academic English as a Second Language Program, if needed
- SVC International Homestay program
- Convenient on-campus student housing (dormitories)
- Access to personal academic and transfer advisors
- English tutoring services through the Tutoring Center
- Excellent technical programs for career training
- Active clubs and student organizations
- Close to Seattle and Vancouver, Canada
- Conveniently located to year-round recreation (skiing, hiking, scuba diving, golfing, and kayaking)
- Free public transportation and airport pickup upon arrival

English Language Requirements

NO TOEFL POLICY

SVC does not require student applications to have a TOEFL score. Effective August 2015, student applications taking advantage of our NO TOEFL policy will be issued an I-20 for Language Training until proficiency has been met.

If you do not have an English proficiency test score (TOEFL, IELTS or Duolingo) you will be given an English Placement Test (CAMLA) before registering for classes. Students whose test results show skills adequate for college work will be excused from English for Academic Purposes (EAP). Others will be required to take EAP classes until the language requirements are met.

The results of the English Placement Test will determine your placement in any one of the following areas of study: Intensive English, Bridge 1, Bridge 2, or Regular (College Level).

If you have a TOEFL, IELTS or Duolingo score, the charts below show your placement.

TEST OF ENGLISH AS A FOREIGN LANGUAGE (TOEFL)

SCORE RANGES	INTERNET-BASED	COMPUTER-BASED	PAPER-BASED
Intensive English	44 and Below	133 and Below	450 and Below
Bridge 1	45-52	133-150	450-473
Bridge 2	53-60	153-170	477-497
Regular (College Level)	61 and Above	173 and Above	500 and Above

INTERNATIONAL ENGLISH LANGUAGE TESTING SYSTEM (IELTS)

Intensive English	N/A
Bridge 1	N/A
Bridge 2	N/A
Regular (College Level)	5.5 or Above in Each Sub-Test

DUOLINGO

Intensive English	70 and Below
Bridge 1	75-80
Bridge 2	85
Regular (College Level)	90 and Above

INTENSIVE ENGLISH

You may be placed in one of three levels. Each level takes three months (one quarter) to complete.

BRIDGE 1

Students in Bridge 1 are considered matriculated college students. Classes at the Bridge 1 level consist of a combination of academic and English preparatory classes. These classes are pre-selected and some count toward your graduation requirement for your degree.

BRIDGE 2

Like Bridge 1, these classes are a combination of academic and English preparatory.

REGULAR (COLLEGE LEVEL)

Students will be allowed to take regular SVC courses.

TRANSFER CREDITS

Many students receive transfer credits from their previous institutions which are located overseas. In some cases, students have received between 50 and 60 transfer credits. Students will need to go through a two-step process of having foreign transcripts evaluated. First, submit transcripts for initial evaluation by one of the member organizations from the National Association of Credential Evaluation Services (NACES) (www.naces.org). Second, after receiving the official evaluation from the NACES member organization, submit official evaluation results along with original transcripts and the SVC transcript request form to Enrollment Services for an official credit evaluation (Please note that all transcripts should be in English or accompanied by an official English translation). **It is recommended that students start this process as soon as possible.**

3 Enrollment Services

Application Process

All documents should be written in English or accompanied by an official English translation. Original documents are required with all applications. It is your responsibility to make copies before submitting. We will not make copies for you. An admission decision will be made after all documents have been submitted and evaluated.

NEW INTERNATIONAL STUDENTS ADMISSIONS PROCESS

Complete and submit the SVC International Student Admissions Application form to international.admissions@skagit.edu. Required documents to include with your application:

- International Programs Application form
- Official bank statement and complete Certificate of Financial Responsibility (sponsor letter), located at the back of the application. (See www.skagit.edu/international for current costs.)
- Official transcripts from high school and any previous colleges, including any ESL training.
- Copy of picture page in passport.
- If applicable, include a TOEFL score.
The SVC code for your TOEFL score is 4699.
- \$50 (USD) application fee.
- If you are already an F-1 student in the U.S., submit a copy of your I-94, copies of previously issued I-20s along with a Transfer Students Information Sheet completed by your current International Student Advisor, and a copy of passport pages that contain your student photograph and VISA information. This is **not** a request to transfer your SEVIS record.

SEVIS FEE INFORMATION

This is a fee that F-1 students who have received an I-20 need to pay before they can apply for a visa. Consulates need to confirm that applicants have paid this fee before they can issue a visa. If you are paying electronically, be sure to print out a receipt. Take this with you to your visa interview as proof of payment.

The SEVIS fee is paid to the U.S. government, not to SVC, and is separate from visa fees.

You can pay the I-901 SEVIS fee online by credit card at fmjfee.com or by check, money order, or bank draft. Please visit the **official SEVIS fee** website for more details.

A third party, such as a family member or friend, can pay the SEVIS fee for you. Make sure that you ask them to give you the receipt and proof of payment.

For additional details about the SEVIS fee, including information in languages other than English, please visit the official **Department of Homeland Security SEVIS fee** website.

For additional information:

Phone: 360.416.7620

Email: internationaladmissions@skagit.edu

Website: www.skagit.edu/international

Determination of Residency

Email: residency@skagit.edu

Residency status is determined at the time your application for admission is processed.

Please refer to the information on the **Residency Requirements** website to navigate SVC's residency process. If you need help at any time, please email our residency coordinator at residency@skagit.edu.

After you have established domicile in the state of Washington for the required period, it is your responsibility to request a change in residency status. Applications for a change in classification will be accepted up to the thirtieth calendar day following the first day of the quarter for which application is made.

For additional information, contact residency@skagit.edu.

After you have established domicile in the State of Washington for the required period of time, it is your responsibility to request a change in residency status. Applications for a change in classification will be accepted up to the thirtieth (30th) calendar day following the first day of the quarter for which the application is made. If non-resident tuition was paid, and the request is approved, the difference in tuition will be refunded. Applications made after that date in any quarter shall be considered for the following quarter.

WASHINGTON STATE RESIDENCY FOR TUITION PURPOSES

SVC determines the applicant's residency at the time they apply for admission. Non-resident students pay a higher tuition rate than do resident students. Special regulations may apply to some eligible non-citizens. In July 2021, a new law (SB 5194) replaced 2003's HB 1079, making it easier for all Washingtonians, including undocumented people, to get resident tuition and State financial aid.

Non-resident students may apply for residency once they make the State of Washington their permanent residence for at least twelve (12) months and by meeting one of the following conditions at least twelve (12) months before submitting a residency application:

- U.S. citizen
- Hold a permanent resident card
- Hold an A, E, G, H, I, K, or L visa
- Hold refugee or asylum status

RESIDENCY FOR ACTIVE DUTY MILITARY PERSONNEL

If you are active duty military, stationed in the state of Washington, you, your spouse, and dependents qualify for in-state resident tuition. To receive the resident tuition rate, you, your spouse, or dependent family members must provide documentation such as a copy of your military ID card or other appropriate documents, at the time of application for admission to SVC.

3 Enrollment Services

RESIDENCY FOR ACTIVE DUTY MILITARY PERSONNEL – LIVING OUTSIDE THE STATE OF WASHINGTON

Members of the military whose home of record is Washington State, and who are serving active duty in another state or overseas may be eligible to pay resident tuition. Eligible dependents of active duty service members whose home record is the State of Washington, who maintain State of Washington residency, and remain continuously enrolled in a degree program, may also be eligible to pay resident tuition even though the service member is serving out of state.

- Documentation that the State of Washington is the service member's home of record (LES—Leave and Earnings Statement)
- A copy of your current military orders
- A copy of your military ID card (front only)
- Provide **at least two** of the following:
 - Current Washington driver's license
 - Washington voter's registration
 - Current Washington vehicle registration
 - Ownership of Washington property
 - Storage of property in Washington

Application deadline is the thirtieth (30th) calendar day of the quarter of the quarter you plan to obtain resident status.

By regulation, we process applications and documents received after this date for the next quarter. No exceptions!

Please review the **Enrollment Services Important Dates and Deadlines** website for specific dates.

TUITION REDUCTION – VETERANS AND ELIGIBLE SPOUSE/CHILD

Effective July 24, 2015, ESSB 5355 was signed into law, modifying the definition of “resident student” to comply with federal requirements established by the Veterans Access, Choice, and Accountability Act of 2015 (Choice Act). The Choice Act requires states to charge in-state tuition and fees to “covered individuals” for the Department of Veterans Affairs to approve programs of education for everyone training under the Post 9/11 GI Bill® and the Montgomery GI Bill®.

Effective July 1, 2017, the definition of a “covered individual” in the Choice Act has been modified to the following:

- A veteran who enrolls in the institution of higher education within three (3) years of discharge from a period of active duty service of ninety (90) days or more.
- A spouse or child who is entitled to transferred VA educational benefits based on their relationship to an individual who has separated from the uniformed services and enrolls in the institution of higher education within three (3) years of the transferrer's discharge from a period of active duty service of ninety (90) days or more.

Veterans and their qualified dependents pay resident tuition under the following conditions:

- At least ninety (90) days of active duty
- Honorable discharge
- Enrolled in a Washington college or university within three (3) years of separation

The following documents must be submitted to the Veterans Education Office locations:

- DD214
- Letter of Certification of eligibility

For Veteran's Education Forms, see SVC's **Veterans Education Forms and Resources** website or visit the Veterans Education Office at one of our campus locations listed below.

Mount Vernon Campus, Lewis Hall, Room L-115

(located within Counseling and Advising)

Whidbey Island Campus, Oak Hall, Room A-203

Student Eligibility to Pay In-State Tuition

Phone: 360.416.7700

Email: residency@skagit.edu

The State Legislature adopted RCW 28B.15.011 through RCW 28B.15.15, which sets forth the requirements related to establishing residency in the State of Washington. On May 12, 2021, Governor Inslee signed S.B. 5194, which updates the residency requirements under the Affidavit of Residency.

Students wanting to establish in-state residency must fill out a residency questionnaire, provide documentation, and consult with the college residency officer.

Students must apply for residency by the 30th calendar day during the current quarter in which they seek reclassification. Students submitting documentation after the deadline may be eligible for residency by the first day of the next quarter.

3 Enrollment Services

Student Life

- Become involved with events, programs, and clubs on campus
- Open space to work on homework, connect with classmates, and build community

Contact: Yisele Rosales-Avila

360.416.7609

yisele.rosales-avila@skagit.edu

Schedule: Monday–Friday: 8 a.m.–5 p.m.

Location: Cardinal Center

Food Pantry

- Provides free food for students

Contact: Melissa Kristoffersen

melissa.kristoffersen@skagit.edu

Schedule: Monday: 10 a.m.–5 p.m.

Tuesday: 10 a.m.–7 p.m.

(Closed 2–2:30 p.m.)

Wednesday: 10 a.m.–7 p.m.

(Closed 11:30 a.m.–12 p.m.)

Thursday: 10 a.m.–7 p.m.

(Closed 2–2:30 p.m.)

Location: Cardinal Center

Financial Aid

- FAFSA/WAFSA help, financial aid workshops, and questions about paying for classes

Contact: financial.aid@skagit.edu

Schedule: Monday–Thursday: 8 a.m.–5 p.m.

(Closed for lunch noon–1 p.m.)

Location: Lewis Hall – Financial Aid Office

Workforce Grants

- Additional funding from the state (copies of application available)

Contact: workforcegrants@skagit.edu

Schedule: Monday–Thursday: 9 a.m.–4 p.m.

Friday: Closed

Location: Lewis Hall L-116

Campus View Village (CVV) Campus Housing

- On campus housing for students

Contact: 360.416.7650

mv.cvv@skagit.edu

Schedule: 8 a.m.–5 p.m.

Location: Mount Vernon Campus

Campus View Village

Birch Building

2410 Sigmar Lane #100

Mount Vernon, WA 98273

Security

- Parking passes and questions
- Jump dead vehicle batteries and safety support

Contact: 360.416.7777

skagit.edu/security-services

Schedule: 24 hrs

Location: Cardinal Center

Community Basic Needs Navigator

Contact: Melissa Kristoffersen

melissa.kristoffersen@skagit.edu

Whidbey Island Campus (WIC)

Student Life (WIC)

Contact:

Leah Eberle

leah.eberle@skagit.edu

Schedule:

Monday–Thursday:

8 a.m.–5 p.m.

Location:

Old Main 116 – Old Main 107A (Leah's office)

Food Pantry (WIC)

Contact:

Leah Eberle

leah.eberle@skagit.edu

Schedule:

Varies each quarter

(if the door is open, the food pantry is open!)

Location: Old Main 116

Financial Aid (WIC)

Contact:

Esmeralda Marquez

Schedule:

Monday–Thursday:

9 a.m.–3 p.m.

(closed from noon–1 p.m.)

Location: Oak Hall 214

Library (WIC)

Schedule: Monday and Wednesday: 9 a.m.–5 p.m.

Tuesday and Thursday: 9 a.m.–6 p.m.

Friday: 9 a.m.–2 p.m.

Location: Hayes Hall 123

1900 S.E. Pioneer Way,

Oak Harbor, WA 98277-3099



College Resources

4 Support Services

Counseling and Advising Services

Phone: 360.416.7654
 Website: www.skagit.edu/counseling

SVC Academic Advising is a part of the Counseling and Advising Center. We are dedicated to promoting student success by helping you achieve your full academic potential.

Our staff assists current and prospective students to:
 Select quarterly courses and review program requirements

- Select quarterly courses and review program requirements
- Select a career and area of study
- Find the right educational path and support to stay on the path
- Advise students who are transferring in credits from another college
- Plan their transfer to other colleges and universities
- Understand accurate information of college policies
- Identify and connect students with college services such as counseling, tutoring, and other support services

Our advisors provide an environment of encouragement and support that promotes a positive, rewarding experience at SVC.

Counseling services are also available for current or returning SVC students to provide academic/educational counseling, career counseling, confidential crisis intervention, and/or short-term personal counseling. Counselors can also provide referrals to community resources to help students adjust to, cope with, and succeed in college.

Planning Your Program

Determining your class placement is the first step toward student success. To determine the best classes for you, your writing, reading, and mathematics skills will be assessed. This will tell us the level of coursework for which you are prepared, as well as your readiness for entry into specific programs.

If you place into different courses based on different placement methods, SVC will honor the highest of your course placements. Therefore, you want to make sure to review all your options. Go **online** to learn more information about each option.

Most new degree seeking students are required to complete a **First Quarter Experience** during their first quarter. This may be CSS 103 First Quarter Experience, CSS 109 First Quarter Experience – Career emphasis, or CSS 110 College Orientation and Success, depending on their program of study. This course will provide you with a solid foundation for academic success and ensure that you have the tools and support you need.

In the First Quarter Experience, you will develop an education plan that outlines which courses you need to complete for your degree program. Ensuring that you have an appropriate plan to follow will help you to graduate in a timely manner and meet your goals. You are encouraged to schedule regular quarterly meetings with your advisor, before quarterly class registration, to help you decide on your classes and to update your degree plan. Prior to the advising appointment, you should study the class offerings listed in this catalog and in the quarterly schedule.

In your first quarter at SVC, you will be assigned an advisor to help you choose classes and plan your quarterly class schedule. Your advisor will discuss academic and employment opportunities in your field of study and answer your questions. It is recommended that students meet with their advisor prior to registration each quarter.

Academic Transfer Services

Phone: 360.416.7654
 Website: www.skagit.edu/counseling

Transfer services at each campus and center provide information and resources to assist you in choosing and planning your transfer to a four-year college or university.

SVC highly recommends that you contact the college or university of your choice to learn about their application requirements. Many university or college academic majors have prerequisite courses and admission criteria for entrance, many of which you can take at SVC. It is very important that you contact your desired school directly, or at one of SVC's transfer fairs, to learn what these requirements are. Contact information is available from your SVC Advisor.

4 Support Services

TRIO Student Support Services Program

Phone: 360.416.7636
 Website: www.skagit.edu/trio

TRIO welcomes you into a caring community that provides a sense of place at SVC. Our services support you in reaching your academic goals. Your success is our mission. TRIO Student Support Services is a federally funded program, one of more than 900 similar programs nationwide. TRIO staff and tutors provide a broad range of academic support services to first-generation students, low-income students, and students with disabilities. The following services are free to eligible students:

- **Tutoring**
Our skilled student tutors provide one-on-one or group tutoring to help you excel in math, science, English, and many other classes.
- **College Success Skills Classes**
Our instructors will help you learn the study strategies used by the most successful college students. These include effective test-taking strategies, memory enhancement, time management, note-taking, reading comprehension and use of technology. You will develop an individual academic plan.
- **Academic Planning and Preparation for Transfer**
Advisors will work with you to look at your strengths and weaknesses, interests and personal situation, and make a plan that is right for you. We can help you understand our programs and degrees, including the variety of university transfer options and SVC Bachelor of Applied Science programs. You can also join us on university visitations.
- **Personal Support**
If you would like help dealing with the personal demands, stress and responsibilities of being a college student, our staff will take the time to listen to your concerns and can help you arrive at effective solutions. They can direct you to campus and community resources and opportunities for personal growth.
- **Resources for Financing College**
Financing one's education is often a concern. Our counselors and navigators will help you understand the many resources available to you for financing your college attendance, including transferring to the university or staying at SVC for a Bachelor of Applied Science program, and can provide assistance and advocacy within these systems. Additionally, they will provide an understanding of money management concepts, so you are able to make informed decisions about your financial choices.

Tutoring

Phone: 360.679.5393
 Mount Vernon Campus, Lewis Hall 221
 Whidbey Island Campus, Oak Hall 107

Drop-in and online tutoring is available free of charge if you would like to supplement your classroom instruction. Subject areas most often tutored include math, writing, sciences, and more online and on both the Whidbey Island and Mount

Vernon campuses. Tutoring in other subject areas may also be available at either campus. Please contact the Tutoring Center to learn more about tutoring subjects and schedules.

Veterans' Education Services

Phone: 360.416.7610
 Mount Vernon Campus, Lewis Hall 115
 Phone: 360.679.5389
 Whidbey Island Campus, Oak Hall 203

Skagit Valley College has two **Veterans' Education offices**, located on the Mount Vernon Campus and the Whidbey Island Campus. These offices are staffed by veteran and military-affiliated students and staff who specialize in certifying students for their **veteran and dependent education benefits**, as well as helping students navigate college resources.

Services offered through the Veterans' Education Office include, but are not limited to:

- Assistance with obtaining necessary documents to utilize VA educational benefits
- Eligibility requirements for and certification of VA educational benefits
- Information on tuition waivers and residency status for eligible military-affiliated students
- Understanding and assistance with navigating various college policies and processes (registration, applying for other financial resources, etc.)

More information on funding and educational benefits available for military-affiliated students can be found in the **Tuition, Financial Aid and Funding**, [pp. 17–21] in this catalog.

Disability Access Services

Phone: 360.416.7654
 Email: das@skagit.edu

SVC offers a number of **support services for students with disabilities** to ensure equitable and timely access to content, programs and facilities. Each campus is organized to provide reasonable accommodations, including core services to qualified students with disabilities. You are eligible for services if you have a physical, mental, or sensory impairment that substantially limits one or more of your life activities; if you are perceived to have such impairment; if you have a record of such impairment or have a condition that is recognizable and/or diagnosable.

WHAT SERVICES ARE AVAILABLE?

Services and accommodations will be determined on an individual basis. They may include, but are not limited to: accessible facilities, alternate educational media, alternate testing, manual and oral interpreters, note-taking, alternative text, scribes, and equipment. Prior to receiving services, students must schedule and meet with the Disability Access Services Coordinator for the purposes of an Access Planning Meeting, to identify for which accommodations the student qualifies.

4 Support Services

WHAT ARE YOUR RESPONSIBILITIES?

- Identify yourself as a student with a qualified disability.
- Provide documentation regarding your disability.
- Request reasonable accommodations at SVC in a timely manner.
- Meet and maintain academic standards.

Office for Student Equity and Inclusion Services

Phone: 360.416.7789
Mount Vernon Campus, C-180

Services available in Spanish (Servicios disponibles en español)

The Office for Equity and Inclusion Services (OEI) leads and facilitates the development of institutional policies and protocols intended to create a more representative, equitable, and inclusive SVC. The OEI partners with campus departments and units to create inclusive and equitable educational opportunities for all students, faculty, and professional staff. Our goal is to develop programs and resources that promote academic success and completion through programs and programming activities. We support a welcoming, safe, and construction environment for all students.

On the Mount Vernon campus, the OEI is located in the Gary Knutzen Cardinal Center in C-180.

With a collaborative approach to diversity, equity, and inclusion efforts, the OEI serves as the primary college resource for:

- Hispanic Serving Institution Status and Initiatives
- ESJ Governance Committees
- Professional Development for faculty and staff
- External and local community partnerships
- Student Leadership Opportunities
- Student Programming
- Champions of Diversity Scholarships
- Student Clubs

Community Integration Program

Phone: 360.416.7849
Email: reentry@skagit.edu
Website: www.skagit.edu/community-integration-program

At SVC we welcome students from all backgrounds, including those who have been incarcerated. The Community Integration Program (CIP) is here to support students who have been incarcerated, to pursue their educational and career goals. Whether just released or out for years, education is a pathway to positive change, growth, and can lead to a stable career. The education available at SVC can lead you anywhere you want

to go. Through individualized support, the reentry navigator at SVC assists students with the first steps to getting started through graduation.

CIP assists with:

- Applying for admissions
- Enrollment
- Choosing classes and a career path
- Financial aid
- Referrals to community resources that assist with housing, and offer counseling and other support services

International Programs

Phone: 360.416.7734

SVC has welcomed international students from all over the world since the late 1960s. Currently there are international students studying at SVC, representing a variety of countries. Understanding the unique needs of students studying abroad, the International Programs Office provides comprehensive support throughout the student's tenure at SVC. This means that from the time international students apply, are picked up at the airport, and until their graduation, the International Programs Office is constantly supporting students in their new environment, helping them to succeed.

Please note that the **International Programs Office** is also the International Admissions Office. This office is where I-20s are issued and students are tracked according to policies set by Student and Exchange Visitor Information System (SEVIS), created by the Department of Homeland Security.

Learning Resources

TECHNOLOGY FOR YOUR USE

SVC has a continuing commitment to provide current technologies to assist you in the successful pursuit of your education. The SVC library has laptops for individual student use, general access and tutoring labs are equipped with student computers, and classrooms and study lounges have wireless access and multimedia units to support eLearning and educational networking. For added convenience to students, both Mount Vernon and Oak Harbor campus computer labs operate with extended hours while classes are in session.

Student Online Services (SOS) is available via phone, e-mail, chat, and the walk-in window, as well as various online and face-to-face tutoring sessions. Help and training are available so you can successfully navigate Canvas, SVC's online eLearning environment. Knowledgeable computer support is available in the multimedia production lab to help you with audio visual projects as well assistance with collaborative computer tools such as Tegrity, Collaborate, and Skype.

4 Support Services

Library Services

Mount Vernon Library: 360.416.7837
 Whidbey Island Library: 360.679.5322
 Email: mv.library@skagit.edu
 Reference Email
 (for help with research): mv.library@skagit.edu
 Circulation Email
 (for materials checkout): library.circulation@skagit.edu
 Website: www.library.skagit.edu

The library is an integral part of educational life at SVC. Along with offering online and physical materials to support student success, the libraries offer a variety of options in our spaces to accommodate group and independent study, as well as comfortable seating areas for relaxation. We have some extended evening hours and consistently staffed circulation desks ready to answer any questions. Our reference librarians offer classroom instruction in different disciplines and are available to work one-on-one with students at the reference desk or on Zoom. Students can also utilize the 24-hour chat service for research assistance as well as other online learning options through the library home page. The Mount Vernon campus library has the Cardinal Creation Center, which acts as a maker-space for students, with a green screen, VR sets, podcasting equipment, art supplies, sewing machines, and other items. Both campuses make available office items and other classroom essentials for student use, such as staplers, tape, pencil sharpeners, hole punches, binding equipment, and paper cutters.

The library collection consist of materials to support multiple disciplines and courses of instruction at the college in the form of print materials, textbook reserves, and a variety of online and digital resources such as research databases, research guides, and eBooks. We also provide non-traditional items such as digital cameras, video equipment, puzzles, tabletop games, musical instruments, pickle ball kits, and more. We provide access to materials between campus libraries through an inter-campus courier service.

THE LIBRARIES OFFER:

- A collection of print books, eBooks, and streaming videos for academic work and entertainment.
- Online and digital materials for research, accessible with SVC username and login information.
- A reserve collection with some classroom textbooks.
- Individual reference through in-person or on Zoom assistance.
- Online 24-hour chat research assistance service available on the library website through the Ask A Librarian chat widget.
- Online Research Guides that provide library research assistance for specific courses and college initiatives.
- Research instruction taught by library faculty in the library or in the classroom.
- Study spaces to suit a variety of student needs.

- Study rooms.
- Desktop computers.
- Quarterly technology checkouts: laptops, calculators, textbooks, etc.
- Inter-library loan services to enrolled students.

TECHNOLOGY RESOURCES

SVC has a continuing commitment to provide current technologies to assist students in the successful pursuit of their education.

The Oak Harbor and Mount Vernon campus libraries both provide desktop computers, most with stations that have two monitors, that are accessible with SVC login information. Library classrooms and study spaces have wireless access and stand-alone charging stations. Available for quarterly student checkout are laptops, calculators, hotspots, and other materials. The libraries and several other spaces on campus have printers available for student use. Printer accounts are initially set up in the library using a printing fob, and are associated with student accounts. Accounts are pre-assigned a dollar amount per student, per quarter, and if funds run out can be added to by students. Support for problems with technology is provided through the library, eLearning, or IT. Access to most library materials is available from off-campus with SVC username and login information.

Housing – Mount Vernon Campus

Phone: 360.416.7650

Campus View Village is the affordable and active on-campus student housing complex offered through the Skagit Valley College Foundation. Campus View Village is just steps away from the Mount Vernon campus and is a popular living community among student-athletes, international students, and others looking for affordable housing and close campus proximity.

Leases are quarter-by-quarter, making it an ideal option for students who may not be here for a full year. Also, rent is all-inclusive of utilities-one price covers housing, heat, gas, electricity, garbage, water, cable TV, and WiFi. Each fully furnished unit is a four-person apartment, with individual bedrooms and shared bathroom and kitchen/common space.

Applications are on a rolling basis and occupancy is filled on a first come, first served basis, so apply early! For more information about on-campus housing or to fill out an application, visit www.skagit.edu/cvv, email us at mv.cvv@skagit.edu, or call 360.416.7650. Hours are: 8 a.m.–7:00 p.m. Monday through Friday (Monday through Thursday during the months of July and August).

Bookstore

Phone: 360.416.7601

The Cardinal Bookstore is located in the Cardinal Center on the Mount Vernon Campus.

The bookstore stocks a wide variety of items, including required and optional textbooks - both new and used – and class materials, as well as course and school supplies, uniforms, and SVC insignia items.

4 Support Services

The bookstore website www.cardinalbookstore.com, can be used to purchase textbooks as well as to look up textbook information and pricing. These services can also be accessed through the online registration process.

Online textbook orders can be picked up at the Mount Vernon Campus bookstore, or can be delivered via United Parcel Service (UPS) for a nominal fee. Pre-paid orders can also be picked up at the Whidbey Island Campus Library at no additional charge by special arrangement. Please contact the bookstore at the number above for details.

Store hours of operation and posted on the bookstore [website](#).

Cardinal Complete

The Cardinal Complete Program offers funding and scholarship support to cover the cost of tuition and fees for students who are within 15 credits of completion of an eligible degree or certificate program. In addition to being within 15 credits of completion, a student must not owe a debt to SVC or be on Financial Aid Suspension to qualify. Awards are based on funding levels. For more information, please visit www.skagit.edu/funding-your-education/.

Student Emergency Assistance

The **Student Emergency Assistance Fund** was established to provide assistance to students at risk of not continuing their education due to unexpected financial dilemmas. The fund is only allocated for sudden, urgent, or unforeseen occurrences

that require immediate attention and would impact the student's ability to stay in college and complete their educational goal. **Students must demonstrate "emergency" financial need.**

For more information about Emergency Assistance and to apply, visit skagit.edu/financial-aid/types-of-aid/emergency-assistance.

Childcare Assistance

Depending on availability of funding, you could be eligible for the Childcare Assistance fund which can assist you with the cost of out-of-pocket dependent care expenses for dependents residing with you during the academic year for care incurred as a result of attending classes at SVC (that is, during periods that include but are not limited to class time, study time, fieldwork, internships, and commuting time to and from SVC). Dependents can include: any children for whom you are the legal guardian, step children, or siblings who reside in your household for whom you are responsible for providing care. The funding is per household and per availability of funding. The Child Care Assistance fund maximum award is \$1400 per quarter, per household, depending on availability. Applicants to this program must meet certain criteria.

For more information about Childcard Assistance and to apply, visit skagit.edu/financial-aid/types-of-aid/emergency-assistance/.



4 Support Services

HELPING YOU FINANCE YOUR EDUCATION

SVC | SKAGIT VALLEY COLLEGE
Financial Aid



5 Tuition, Financial Aid, and Funding

Tuition

For academic purposes and certification for various benefits (insurance, student loans and financial aid, social security, tax credits, etc.), full-time status is defined as 12 or more credits. The tuition schedule, special fees and other class fees are listed in this catalog, on the website (skagit.edu/tuition-fees), or you can call one of the following numbers for more information:

- **Mount Vernon Campus:** 360.416.7600
- **Whidbey Island Campus:** 360.679.5330
- **San Juan Center:** 360.378.3220

Note: Tuition is subject to change by the Washington State Legislature and/or the Skagit Valley College Board of Trustees.

LOWER DIVISION TUITION TABLE

Courses below 300-level; does not apply to CCB, ELA, or HSC courses

NO. OF CREDITS	WASHINGTON RESIDENT	NON-STATE RESIDENT	NON-US RESIDENT
1	\$158.96	\$225.03	\$366.30
2	\$317.92	\$450.06	\$732.60
3	\$476.88	\$675.09	\$1,098.90
4	\$635.84	\$900.12	\$1,465.20
5	\$794.80	\$1,125.15	\$1,831.50
6	\$953.76	\$1,350.18	\$2,197.80
7	\$1,112.72	\$1,575.21	\$2,564.10
8	\$1,271.68	\$1,800.24	\$2,930.40
9	\$1,430.64	\$2,025.27	\$3,296.70
10	\$1,589.60	\$2,250.30	\$3,663.00
11	\$1,681.19	\$2,349.00	\$3,763.57
12	\$1,773.78	\$2,447.71	\$3,864.14
13	\$1,865.87	\$2,546.41	\$3,964.71
14	\$1,957.96	\$2,645.11	\$4,065.28
15	\$2,050.05	\$2,743.81	\$4,165.85
16	\$2,142.14	\$2,842.52	\$4,266.42
17	\$2,234.23	\$2,941.22	\$4,366.99
18	\$2,326.32	\$3,039.92	\$4,467.56
19	\$2,471.71	\$3,237.15	\$4,820.29
20	\$2,617.10	\$3,434.37	\$5,173.02
21	\$2,762.49	\$3,631.60	\$5,525.75

Note: Tuition rates are subject to change in Fall Quarter 2025. Please check the SVC website for updates. Tuition rates listed above include mandatory fees. Class fees are added separately.

5 Tuition, Financial Aid, and Funding

UPPER DIVISION TUITION TABLE

300- and 400-level courses

NO. OF CREDITS	WASHINGTON RESIDENT	NON-STATE RESIDENT	NON-US RESIDENT
1	\$282.94	\$412.91	\$745.88
2	\$565.88	\$825.82	\$1,491.76
3	\$848.82	\$1,238.73	\$2,237.64
4	\$1,131.76	\$1,651.64	\$2,983.52
5	\$1,414.70	\$2,064.55	\$3,729.40
6	\$1,697.64	\$2,477.46	\$4,475.28
7	\$1,980.58	\$2,890.37	\$5,221.16
8	\$2,263.52	\$3,303.28	\$5,967.04
9	\$2,546.46	\$3,716.19	\$6,712.92
10	\$2,829.40	\$4,129.10	\$7,458.80
11	\$2,869.69	\$4,169.39	\$7,500.10
12	\$2,909.98	\$4,209.68	\$7,541.40
13	\$2,950.27	\$4,249.97	\$7,582.70
14	\$2,990.56	\$4,290.26	\$7,624.00
15	\$3,030.85	\$4,330.55	\$7,665.30
16	\$3,071.14	\$4,370.84	\$7,706.60
17	\$3,111.43	\$4,411.13	\$7,747.90
18	\$3,151.72	\$4,451.42	\$7,789.20
19	\$3,421.09	\$4,836.53	\$8,521.51
20	\$3,690.46	\$5,221.63	\$9,253.82
21	\$3,959.83	\$5,606.74	\$9,986.13

Note: Tuition rates are subject to change in Fall Quarter 2025. Please check the SVC website for updates. Tuition rates listed above include mandatory fees. Class fees are added separately.

Fees

Subject to change by the Washington State Legislature and/or the Skagit Valley College Board of Trustees.

ADDITIONAL FEES

CCB-ELA-HSC21 Fee\$25 per person per quarter

STUDENT FEES

Expedited Enrollment Verification\$15 per request
 Student Technology Fee \$5.00 per credit (\$40 maximum)
 Student Capital Fee\$1.50 per credit (\$15 maximum)
 General Use Fee \$5.50 per credit (\$82.50 maximum)
 Universal Technology Fee \$13 per credit
 Learning Resources Fee\$2 per credit
 Student Building Fee\$1.50 per credit (\$15 maximum)
 Fitness Center Fee \$20 per quarter

Student Self-Assessed Fee\$1.50 per credit (\$15 maximum)
 State Classified Employees\$20
 Expedited Transcript \$25 per transcript
 Enrollment Services Digital Transcript\$3
 Student ID Card Replacement\$10
 Replacement Diploma\$10

CLASS FEES (PER QUARTER)

ALLIED HEALTH EDUCATION (AHE)

Allied Health and Nurse Name Tag Replacement\$5
 AHE 101\$20
 AHE 105, 110, 200\$50
 AHE 106, 133, 135 \$75
 AHE 107, 114, 221 \$150
 AHE 108, 113, 115,\$125
 AHE 117 \$350
 AHE 132, 134, 201, 203 \$25
 AHE 202\$35

5 Tuition, Financial Aid, and Funding

AHE 222	\$145
AHE 240	\$481
AHE 241	\$219

ART

ART 101, 102, 107, 111, 112, 181, 182, 201, 202, 241, 242	\$40
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ASTRONOMY

ASTR& 101	\$58
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AUTOMOTIVE TECHNOLOGY

AT 101	\$105
AT 107, 124, 133, 205, 212, 220, 225	\$280
AT 121, 131, 210, 215	\$245
AT 141	\$420
AT 201	\$60
AT 206, 218	\$140
AT 217	\$350

BAS – ADVANCED MANUFACTURING AND DESIGN

ENGR 316; MANF 354, 424, 464; MGMT 316, 326, 336, 426, 456	\$50
MANF 304, 334, 394, 454, 494, 495, 496; PHYS 316	\$100

BAS – EARLY CHILDHOOD EDUCATION

ECED 402	\$15
ECED 480	\$119
NASC 300	\$20

BAS – ENVIRONMENTAL CONSERVATION

CHEM 301	\$80
CMST 303	\$50
ENVC 302	\$25
ENVC 304, 310, 315, 320, 327, 405, 407, 410, 412, 420, 422, 424	\$95

BAS – MANAGEMENT

BASM 301, 332, 334; HCM 339; PSYC 412	\$15
BASM 324; HCM 327	\$10
BASM 410; PHIL 440, 446; CS 370	\$20

BS – COMPUTER SCIENCE

CS 110, 121, 122, 123, 171, 202, 222, 233, 243, 296, 301, 302, 320, 333, 334, 351, 355, 360, 397, 398, 401, 402, 422, 433, 450, 485, 486, 499	\$65
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BIOLOGY

All courses with lab components, (BIOL 105, 111, 133, 205, 220;
BIOL& 100, 160, 221, 222, 223, 241, 242), except BIOL 150,
270, 271, and BIOL& 260

BIOL 150	\$100
BIOL 270, 271	\$350

BIOLOGY FIELD EXPERIENCE (SUMMER)

BIOL 205	\$1,000
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CHEMISTRY

All courses with lab components (CHEM& 110, 121, 122, 123,
131, 151, 152, 153, 161, 162, 163, 251, 252).....

	\$58
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COMPUTER INFORMATION SYSTEMS

CIS 146, 147	\$5
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CRAFT BREW

BRW 101, 103, 105, 120, 135	\$25
BRW 160	\$250
BRW 161.....	\$300
BRW 198	\$75

CRIMINAL JUSTICE

CJ 236.....	\$325
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CULINARY ARTS

CUL 101	\$50
CUL 123.....	\$130
CUL 298	\$125
CUL 165, 171, 185, 237, 238, 239, 240, 241, 242.....	\$200
CUL 170.....	\$150

DIESEL POWER TECHNOLOGY

DSL 102, 103 104, 202, 203, 204	\$200
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DRAMA

DRMA 133, 134, 135, 136, 137, 138, 139, 151, 152, 153, 154, 230, 235	\$20
DRMA& 101	\$20

EARLY CHILDHOOD EDUCATION

ECED& 105, 160, 190, EDUC& 122	\$10
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EARTH SCIENCE

All courses with lab components (EASC 102, 110, 111, 120)	\$58
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5 Tuition, Financial Aid, and Funding

EMERGENCY MEDICAL SYSTEMS

EMS 242	\$235
EMS 243	\$335
EMS 246	\$68
EMS 247, 248	\$70

ENGINEERING

ENGR& 114, ENGR 216	\$100
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ENGLISH

ART& 100; ART 142, 143, 144, 160	\$20
DRMA& 101; DRMA 236, 237, 238	\$20
ENGL& 101, 102, 112, 113, 220, 254; ENGL 99, 103, 115, 120, 250, 283, 299, 324	\$20
HIST& 146, 147, 148, 214; HIST 242	\$20
MUSC& 105; MUSIC 127, 128, 129.....	\$20
PHIL& 101; PHIL 115.....	\$20
POLS& 101, 102	\$20
PSYC& 100	\$20
SOSC 100	\$20

ENVIRONMENTAL CONSERVATION

ENVC 225	\$40
ENVC 101, 102, 106, 112, 122, 123, 130, 140, 165, 201, 202, 210, 211, 212, 220, 221, 222, 231, 232, 244, 249	\$75

ENVIRONMENTAL SCIENCE

All courses with lab components (ENVS& 101)	\$65
ENVS& 101, Summer LC	\$500

FIRE SCIENCES

FIRE 101, 140	\$100
FIRE 120	\$900
FIRE 121, 122, 278	\$450
FIRE 126	\$250
FIRE 130	\$75
FIRE 160	\$400
FIRE 230	\$58
FIRE 240	\$180

FITNESS LAB

PE 100, 103, 112, 113, 161, 190, 261.....	\$20
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GEOGRAPHIC INFORMATION SYSTEMS

GIS 101, 102, 105, 106, 107, 202, 203	\$30
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GEOLOGY

All courses with lab components (GEOL& 101, 110, 208)	\$58
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HUMAN SERVICES

HSERV 198, 203, 232, 245	\$10
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KAYAKING

PE 167	\$10
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MANUFACTURING

MANF 102, 121, 140, 145, 150, 156	\$35
MANF 103, 177, 210, 215, 250, 256	\$70
MANF 114, 120	\$75
MANF 115, 132, 137, 190, 205, 227, 277	\$100
MANF 148, 149	\$125
MANF 218	\$8
MANF 222	\$50
MANF 242, 247, 278	\$250
MANF 262, 267, 279; MT 121	\$200

MARINE MAINTENANCE TECHNOLOGY

MT 105, 132, 133, 134, 136, 160, 161, 204, 270	\$125
MT 106, 110, 163, 241	\$75
MT 112, 216, 230, 231, 236, 240	\$50
MT 119	\$10

MEDICAL MALPRACTICE INSURANCE AND GENERAL LIABILITY INSURANCE

AHE 115, 116, 136, 241	\$19
EMS 242, 243	\$19
NURS 100, 102, 171, 281.....	\$19

MICROBIOLOGY

BIOL& 260	\$100
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MULTIMEDIA AND INTERACTIVE TECHNOLOGY

MIT 125, 136, 149, 212, 213, 220, 226, 227, 228, 229, 235, 240, 249, 260, 270, 280	\$10
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5 Tuition, Financial Aid, and Funding

MUSIC/MUSIC LESSONS

MUSC 108, 111, 113, 137, 138, 144, 160, 213; MUSC& 141, 142, 143, 241, 242, 243	\$20
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Music Lessons:

MUSC 175, 176, 178, 179, 180, 182, 187, 275, 276, 278, 279, 280, 282, 287.....	\$600
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NATURAL SCIENCE

All courses with lab components (NASC 100).....	\$65
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NURSING

NURS 102	\$95
NURS 171, 181, 191, 271, 281	\$50
NURS 173, 273	\$360
NURS 182, 192, 282	\$135
NURS 183	\$300
NURS 272	\$170
NURS 291	\$485
NURS 292	\$60
Allied Health and Nurse Name Tag Replacement.....	\$5

NUTRITION

NUTR& 101	\$20
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OCEANOGRAPHY

All courses with lab components (OCEA& 101)	\$58
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OFFICE AND BUSINESS TECHNOLOGY

ACCT 142, 145, 146, 244; OBT 122, 132, 134, 162, 204	\$10
ACCT 242.....	\$50

PARK RANGER LAW ENFORCEMENT ACADEMY

PRLEA Program Fee (PRLEA 241, 242, 243, 244, 245) – one time fee	\$2,500
PRLEA 241, 242, 243, 244, 245	\$200

PHYSICAL EDUCATION

PE (All Except PE 114)	\$3
PE 114	\$23
PE 200	\$25

PHYSICS

All courses with lab components (PHYS 111; PHYS& 124, 125, 126, 231, 232, 233)	\$58
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STUDENT INTERN

Professional Liability (Non-Medical) Insurance (per year) AHE 116, 136, 199, 241; AT 199; BIOL 199; BRW 199; BUS 199; CHEM 199; CUL 199; DATA 199; DSL 199; ECED 199; ECED& 120; ENGR 199; ENVC 199; FIRE 199, GIS 199; HSERV 199; MANF 199; MIT 199; MT 199; NURS 100, 171, 281; PHYS 199; VETA 199; WT 199	\$10
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SWIMMING

Whidbey Island Campus (PE 105, 106, 107, 167)	\$10
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TECHNICAL DESIGN

TECD 103, 104, 105, 107	\$100
TECD 220	\$50

WELDING

WT 111, 112, 113, 114, 116	\$50
WT 117, 224, 225, 226, 227	\$25
WT 131, 133, 231, 234	\$250
WT 200, 211, 212, 213, 221, 222, 223	\$500

LOCKERS

Non-disabled	\$5
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PARKING FINES

General	\$10
Carpool Parking without permit	\$20
Driving at unsafe speed	\$20
If parked in handicapped space with no or expired placard	\$75
If parked in fire lanes	\$50

TESTS

Credit by exam (per credit). Tuition costs must be paid in addition to the \$2/credit.....	\$2
Retest for ACCUPLACER.....	No Fee
GED®.....	\$144
Writing and other Retests.....	\$30
GED® Transcript	\$4
Prior Learning Credit (per credit).....	\$60
Prior Learning Assessment.....	\$250/flat fee
Non-SVC proctored private tests	\$35 for 1st hr. and \$20 ea additional hr.

5 Tuition, Financial Aid, and Funding

State Support of Higher Education Students

The average cost to educate a resident full-time community or technical college student for the 2025-26 academic year is \$15,023. Students pay an average of \$3,527 in tuition toward this cost. The remaining \$11,496 is an “opportunity pathway” provided by the State and is funded by state taxes and other sources. The amounts shown are averages for a full-time, resident student. The actual tuition a student pays will vary due to credit load, residency status, and other factors.

Pursuant to RCW 28B.15.0681 the sources of all institutional revenue received during the prior academic year and the uses of tuition revenue collected during the prior academic year can be found on the college website.

Net Price Calculator

SVC has provided a tool intended to assist you in determining the estimated net price of your education. The net price is calculated as estimated cost of attendance (tuition and required fees, books and supplies, room and board (meals), and other approved related expenses) minus estimated grant and scholarship aid. All figures provided by the calculator are estimates and are subject to change. While all efforts are made to ensure the accuracy of the calculator, every student's situation is different, so students are encouraged to do their own calculations as well. The calculator can be found on the college website at skagit.edu/netpricecalculator.

Basic Education

Tuition for the program is \$25 per quarter. Students may qualify for a tuition waiver based on income. Students who want to improve English language skills, complete a Adult High School Diploma, prepare to take the GED® in English or Spanish, or improve academic math, reading, and writing skills to prepare for college-level course work may be eligible for Basic Education classes. To enroll in English Language Acquisition (ELA), High School Completion (HSC), or College and Career Bridge (CCB), students should apply to the college. More information on this process can be found at skagit.edu/getting-started/first-time-students.

Penalties for Non-Payment

Tuition and fees are the student's responsibility. Failure to attend a class does not constitute a course drop/withdrawal. Students who do not officially withdraw will be assessed full tuition and fees, and refunds will not be made. Requests for late drops will not be granted simply because the student was unaware of the policies, or failed to submit a drop form.

In the event of non-payment, the college may pursue the collection of amounts due as allowed by law, and will add collection costs to the amount due. Unpaid accounts may be sent to an outside collection agency and may be reported to one or more credit bureau reporting services. Collection agency fees of up to 50% will be assessed on the unpaid balance of an account, after internal collection efforts have failed to result in full payment. Students are responsible

for paying all collection fees assessed. In the event of a disagreement about payments due, you may request an informal hearing with the Vice President of Student Services.

Veterans/Military-Affiliated Tuition Funding

SVC offers a variety of Veterans' Education resources and services, including, but not limited to the administration of education benefits and tuition assistance. For more information on these services, please see the **Veterans' Education Services section [p. 12]** located in the Student Services section of the catalog.

ELIGIBILITY FOR RESIDENT RATE TUITION

ESSB 5355 modified the definition of resident student to comply with federal requirements established by the Veterans Access, Choice, and Accountability Act of 2014 (Choice Act). The Choice Act requires states to charge in-state tuition and fees to “covered individuals” training under the Post-9/11 GI Bill® and the Montgomery GI Bill®.

A “covered individual” is defined in the Choice Act as:

- A Veteran who lives in Washington (regardless of his/her formal state of residence) and enrolls at SVC within three years of discharge from a period of active duty service of 90 days or more.
- A spouse or child using transferred benefits who lives in Washington (regardless of his/her formal state of residence) and enrolls at SVC within 3 years of the transferor's discharge from active duty.
- A spouse or child using benefits under the Marine Gunnery Sergeant John David Fry Scholarship who lives in Washington (regardless of his/her formal state of residence) and enrolls at SVC within 3 years of the service member's death in the line of duty following a period of active duty service of 90 days or more.
- Veteran students utilizing Chapter 31 Vocational Rehabilitation and Employment Benefits (Effective March 1, 2019).

Individuals who initially meet the requirements above will maintain “covered individual” status as long as they remain continuously enrolled at SVC even if they are outside the 3-year window or enroll in multiple programs. Continuity of enrollment is not broken by holiday vacations, vacation periods, periods during the school year between quarters, or by non-enrollment in summer quarter.

It is not necessary for the student to take steps to establish Washington as their permanent domicile although they may want to do so if they plan to stay in Washington, especially if they plan to attend college after they exhaust their benefits.

Effective August 1, 2021, veteran students utilizing VA Educational Benefits to pay for at least one class qualify for resident tuition. These benefits include:

- Montgomery GI Bill® – Active Duty
- Vocational Rehabilitation and Employment

5 Tuition, Financial Aid, and Funding

- Post-9/11 GI Bill®
- Marine Gunnery Sergeant John Fry Scholarship
- Edith Nourse Rogers STEM Scholarship

Additionally, veteran dependents (spouses and children) actively using the Post 9/11 GI Bill® who live in Washington also qualify for resident tuition, regardless of domicile or how long they have lived in Washington.

Note: *This does not meet definitions of a “resident student” as defined in RCW 28B.15.012(2), to meet eligibility for state aid.*

VETERANS BENEFITS AND TRANSACTION ACT OF 2018 VA PENDING PAYMENT COMPLIANCE

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

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

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

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

IN ADDITION:

- SVC complies with the Department of Veterans Affairs 85/15 rule for benefit enrollment purposes
- Selected programs of study at Skagit Valley College are approved by the Workforce Training and Education Coordinating Board’s State Approving Agency (WTECB/ SAA) for enrollment of those eligible to receive benefits under Title 38 and Title 10, USC

The Veterans Education Offices at Skagit Valley College require the following documents from students who will be using Veterans Education Benefits:

- Proof of Eligibility (up-to-date Award letter, Certificate of Eligibility, other Eligibility Document)

VETERANS TUITION DISCOUNT

A veteran who was honorably discharged from the United States Armed Forces may be eligible for a 20% tuition waiver.

The veteran must meet ONE of the following criteria:

- While serving as an active or reserve member in the U.S. Armed Forces or National Guard, the veteran served in a war, conflict fought on foreign soil, international waters, or in another location in support of U.S. Armed Forces that were on foreign soil or international waters.

OR

- The veteran served in an Active Duty component of the U.S. Armed Forces, but did not serve in a war, conflict fought on foreign soil, international waters, or in another location in support of the U.S. Armed Forces that were on foreign soil or international waters.

And must meet BOTH of the following criteria:

- A Washington Domiciliary
- Qualifying services is recorded on the veteran’s DD214 or other official documents

TUITION WAIVERS FOR FAMILIES OF FALLEN OR 100% DISABLED VETERANS AND NATIONAL GUARD MEMBERS

SVC will waive all tuition and certain fees for the children, adopted children or stepchildren, and spouses of eligible veterans or National Guard members, who died while on active duty, are permanently and totally disabled because of service connected injury or illness, are missing in action, are prisoners of war, or who are rated by the Veteran’s Administration as 100% disabled.

To be eligible, a child must be between the age of 17 and 26 and the child of a Washington State domiciliary. A surviving spouse must be a Washington domiciliary, and it must have been ten years or less since the loss. In addition, the spouse must not have remarried. Each recipient’s continued eligibility is subject to the school’s satisfactory progress policy.

Total credits earned using this waiver may not exceed two hundred quarter credits, or the equivalent semester credits. The **250 quarter credit limit** applies to all combined credits earned via this waiver at state of Washington colleges and universities.

Note: *An “eligible veteran or national guard member” means a Washington domiciliary who was an active or reserve member of the U.S. military in a war or conflict fought on foreign soil or in international waters, and if discharged from service, has received an honorable discharge.*

MILITARY TUITION ASSISTANCE (TA)

Tuition Assistance (TA) offers financial support for eligible active duty military personnel, to assist with the cost of tuition. Students utilizing TA are provided with a waiver of all college fees. Active duty military personnel using TA for the first time must contact the VEC (Virtual Education Center) or ESO (Education Service Office) for their appropriate branch of service. It is recommended that you submit applications to your command a minimum of 30 days prior to the start of the quarter for which you plan to attend. TA requests must be approved by your command between 120 and 14 days prior to the start of the quarter. In addition to applying to your command, you also need to complete the admission process with SVC.

5 Tuition, Financial Aid, and Funding

For further assistance, or general questions regarding Military Tuition Assistance, contact Enrollment Services on the Whidbey Island Campus at 360.679.5329.

MY CAREER ADVANCEMENT ACCOUNT SCHOLARSHIP (MYCAA)

The MyCAA Scholarship is available for eligible military spouses to pursue licenses, certificates, certifications, or certain associate degrees necessary to gain employment. To use MyCAA, you must create an account online at militaryonesource.mil/resources/network/mycaa-scholarship/. All approvals for MyCAA must be completed 15 days prior to the start of the quarter. In addition to applying through the MyCAA portal, you also need to complete the admission process with Skagit Valley College.

For further assistance, or general questions regarding MyCAA, contact: Enrollment Services on the Whidbey Island Campus: 360.679.5329.

Financial Aid

Mount Vernon:	360.416.7666
Whidbey Island:	360.679.5320

As a student at SVC, financial aid is available in many different forms to assist you with educational expenses. The first step in determining what forms of financial aid you are eligible for is by completing a Financial Aid application, either the **Free Application for Federal Student Aid (FAFSA)** or the Washington Application for State Financial Aid (WASFA) for students with HB 1079 and DACA students. This process can feel confusing and overwhelming, but the Financial Aid Office is here to support you along the way. For assistance with the applications, visit one of our **workshops**.

The financial aid application typically opens October 1 of each year for the following academic year. Priority funding dates are established on an annual basis and are published on the **SVC Financial Aid** web page, but you are encouraged to apply as early as possible! Too often students don't apply because they do not think they will be eligible, and they leave money on the table. Washington State has one of the most generous State aid programs in the country, so you are encouraged to apply even if you don't think you will be eligible. To learn more about funding options, the application process, or how to contact the financial aid office, visit the **SVC Financial Aid** web page.

ELIGIBILITY DETERMINATIONS

The information you provide on the FAFSA/WASFA determines your Student Aid Index (SAI). The SAI will then be subtracted from the budgeted "cost of attendance" to determine your financial need. Need-based aid (grants and waivers) is awarded based on unmet financial need. After your FAFSA/WASFA application has been received, additional information will be requested of you to verify the information provided and to assist in an equitable distribution of available funds. Students who have not been awarded financial aid, or who do not have enough financial aid to cover tuition and fees, are still responsible for the payment in full of their tuition and fees. Students who do not have completed applications submitted by

the priority deadlines established by SVC are not guaranteed to have financial aid awarded by tuition deadlines. Students should familiarize themselves with the priority filing deadlines on the **SVC Financial Aid** web page.

All students awarded any type of financial aid must familiarize themselves with the Conditions of Award and Satisfactory Academic Progress (SAP) Policy, as you will be held to the requirements laid out in those documents while you are receiving financial aid. Failure to meet the requirements could result in the suspension of your financial aid. Both documents can be found on the **Financial Aid Forms and Resources** page.

FINANCIAL AID REFUNDS

For information on financial aid refunds, including information on our third-party service provider, BankMobile, please visit our **Refunds** page.

REPAYMENT POLICY

If you are receiving financial aid grants or loans you must attend your classes. Do not drop or stop attending any class without first consulting the Financial Aid Office. Changes in your enrollment level at any point after financial aid funds have been disbursed, or receiving failing grades, may require you to repay financial aid funds. Federal regulations require you to repay a portion of financial aid funds if you withdraw from all classes before satisfying the 60% completion rule for the enrollment term.

You also may be required to repay financial aid funds if you receiving failing grades in all your classes unless an instructor can document that you attended class for at least 60% of the enrollment period.

TYPES OF GRANTS

- **Federal Pell Grant** A federal grant program, based on significant financial need, for students enrolled in an eligible degree or certificate program. Eligibility is established by completing the FAFSA.
- **Federal Supplemental Educational Opportunity Grants** A federal grant program for students with exceptional financial need, who are enrolled at least half-time (6+ credits). Preference is given to out-of-state residents, and then students with -\$1,500 to \$0 SAI who are receiving Pell Grants.
- **Washington College Grant** An income-based state grant program for low-income state residents based on family size and income. Eligibility is established by completing the FAFSA or WASFA. Students must be enrolled in at least 3 aid-eligible credits to be eligible for the Washington College Grant. Students receiving the maximum amount of Washington College Grant may also be eligible for Washington Bridge Grant.
- **College Bound Scholarship (CBS)** The College Bound Scholarship program provides financial assistance to low-income students who are pursuing their college education and who graduated from a high school in Washington State. Students must meet other eligibility requirements determined by the Washington Student Achievement Council (WSAC). SVC awards this grant based on the list of eligible students provided by WSAC. Students must be enrolled in at least 3 aid-eligible credits.

5 Tuition, Financial Aid, and Funding

- **Work Study and Student Employment SVC** offers on-campus student employment through a variety of programs, including Federal and State Work Study Programs, as well as options for students without Work Study eligibility. Work Study positions provide our students with opportunities to work part-time while attending school to gain valuable work experience while earning money for college. Often students enhance their course work by integrating what they learn in class with real-world work experience. Work Study is a financial aid program, and we determine eligibility for funding based on information provided on the FAFSA or WASFA applications. While most of our student employment positions require Work Study eligibility, there are some departments that have additional funding for student employment. For more information, or to view available jobs, visit our **Work Study** web page.

Student Loans

FEDERAL DIRECT SUBSIDIZED AND UNSUBSIDIZED STUDENT LOANS

Federal Direct Loans are long-term, low-interest/fee loans available through the school and the U.S. Department of Education. Interest rates/fees change on July 1 each year. Current interest rates and fees are updated on the **SVC Financial Aid** web page. A FAFSA is required in order to determine eligibility and receive Direct Loans. Students must be pursuing an aid-eligible degree or certificate and must be enrolled in at least 6 eligible credits.

A separate application is required by SVC in order to receive Direct Loans. The application is available on the Financial Aid website and should be completed once the student has received their award notification and determines additional funding may be needed. This application typically opens June 1 for the upcoming academic year. The SVC application is in addition to the Entrance Counseling and Master Promissory Note requirements mandated by the Department of Education.

DIRECT SUBSIDIZED LOANS

Direct Subsidized Loans are interest-free while you are attending school. To qualify for a Direct Subsidized Loan, you must demonstrate financial need. Your FAFSA results reveal how much you and your family should be able to contribute toward your education costs. Your SVC Cost of Attendance (as established by the Financial Aid Office), minus your Student Aid Index (SAI) (derived from your FAFSA), establishes your financial need. Any grants for which you may qualify are taken into consideration before Subsidized Loan eligibility is determined. See **Federal Direct Loans-Getting Started** under the Financial Aid portion of our website for more details.

DIRECT UNSUBSIDIZED LOANS

Direct Unsubsidized Loans are loans where you are responsible for interest payments even while you are in school. You can choose to make interest payments or postpone them. If you postpone interest payments, interest will be added to your principal balance. This is known as capitalization. Capitalization increases the total amount you will repay. You will save money by making your interest payments. Financial need is not

required to qualify for a Direct Unsubsidized Loan, but you must still complete a FAFSA and complete your financial aid file with SVC. The Cost of Education must exceed any other financial aid you have been awarded in order to qualify for this loan. To view more information, or to see borrower limits for these loans, visit our **website**.

FEDERAL DIRECT PARENT PLUS LOANS

Federal Direct Parent PLUS (Parent Loans for Undergraduate Students) Loans are not based on need. However, the student must complete the FAFSA and all other required documents. PLUS loans are obtained by parents of dependent students to help meet their educational costs. The interest rate/fees for this loan change July 1 every year and interest is not deferred. Current interest rates and fees are updated on the **SVC Financial Aid** website.

Scholarships

The SVC Foundation scholarship application process begins in December or January for the following school year, with submission deadlines in late February or early March each year. All prospective, current, and graduating SVC students are eligible to apply. For more information on SVC Foundation Scholarships, visit the **SVC Foundation** website. Other departmental and outside agency scholarships may also be available throughout the year. For more information, visit our **scholarship page**.

Other Financial Assistance Programs

To view a list of financial aid programs available, or to find more information, visit our **Financial Aid** website.

TUITION PAYMENT PLANS (TPP)

TPPs allow students to make payments on their tuition. For more information, or to sign up, go to the **Tuition Payment Plans** website.

STUDENT EMERGENCY ASSISTANCE

SVC offers several funding resources available to students who are facing unexpected expenses that could impact their ability to be successful or continue their education. We can assist with things like rent, auto repairs, gas, childcare, health care, food, and other related costs. Each resource has a different application, and you may be able to apply for more than one resource. To view different types of funding resources and to apply, visit the **Emergency Assistance** web page.

5 Tuition, Financial Aid, and Funding



Finding Your Path Just Got Easier

Whether you're looking to earn an Applied Bachelor's Degree, become a Pharmacy Technician, earn a Transfer Degree, or gain the Basic Skills you need to succeed in college courses, our Areas of Study provide a clear roadmap to your success. Along the way, we'll provide services and support to ensure you're taking the right courses – in the right sequence – to meet your goals.

skagit.edu/areas-of-study


Arts and
Communications


Basic Education
for Adults


Business


Education


Food and
Beverage
Management


Health
Sciences


Industrial
Technology and
Transportation


Public Services
and Social
Sciences


Science,
Technology,
Engineering and
Math (STEM)

6 General Degree/Program Information

OVERVIEW: DEGREES AND CERTIFICATES

BACHELOR'S DEGREES

Intended for students who want to build on their Associates degree by earning a baccalaureate level degree. Skagit Valley College (SVC) offers several types of Bachelor's-level degrees: Bachelor of Applied Science (BAS), which are selective-entry programs that build on the education and training from two-year technical Associate degrees with two years of upper-level course work; and a Bachelor of Science in Computer Science (BS – Computer Science), which is a direct-entry, open admission program.

BACHELOR OF APPLIED SCIENCE (BAS) DEGREES

Applied Bachelor's Degrees (BAS) are degrees designed for individuals who have already earned a two-year associate's degree and provide workplace skills in specific career areas. Compared to four-year degrees at traditional colleges and universities, applied bachelor's degrees incorporate more hands-on learning focused on a specific industry. They are designed with strong internship components and often offer credit for prior learning in a previous degree.

The Bachelor of Applied Science (BAS) degree is a four-year, 180-credit baccalaureate degree, specifically designed to build on professional-technical associate's degrees that provide workplace skills. BAS degrees include upper-division professional and general education courses. BAS programs are a pathway to the baccalaureate degrees, in an applied field, that provide expanded career opportunities for graduates and meet the needs of employers in the community.

BACHELOR OF SCIENCE (BS) DEGREES

The Bachelor of Science (BS) Degrees is designed for direct entry. The Bachelor of Science in Computer Science (BSCS) is a four-year, 180-credit baccalaureate degree.

ASSOCIATE DEGREES

Intended for students who are interested in transferring to a four-year college or university. Associate degrees are two-year degrees of at least 90 credits that are traditionally offered at community colleges, junior colleges, and technical colleges.

They can be focused either on "transfer" for students who intend to go on to earn a traditional four-year degree at a college or university, or "workforce" which are more specifically designed to provide the necessary skills and knowledge to enter into a particular field or industry. Some associate degrees prepare students for either employment or transfer to a four-year institution.

TRANSFER FOCUSED ASSOCIATE DEGREES

Intended for students who are interested in transferring to a complete four-year bachelor's degree at a university, but who would like to complete the first two years of courses at SVC.

ASSOCIATE IN ARTS — DIRECT TRANSFER AGREEMENT (DTA)

Associate in Arts Direct Transfer Agreement degrees are designed to provide students with a broad background during their first and second year of study so that they can transfer to a four-year school with standing as a junior. These degrees follow guidelines set by the state's Intercollege Relations Commission. The associate degree curriculum is designed to give students a general education that transfers to four-year universities for bachelor's degrees.

For those who qualify, the Direct Transfer Agreement (DTA) gives students priority admission and general education for most Washington State universities. Students must have the AA degree, be a Washington State resident, and meet the minimum GPA for their chosen university. Students who complete this path and are accepted at a four-year university will be ready for their junior year at all public and participating private colleges.

ASSOCIATE DIRECT TRANSFER AGREEMENT MAJOR RELATED PROGRAM (DTA/MRP)

Associate Direct Transfer Agreement, Major Related Program (DTA/MRP) pathways are transfer associate pathways outlining the appropriate courses in order for students to be well prepared to enter a major upon transfer-Major Related Program (MRP) pathways follow one of the two Washington Statewide transfer agreements: Associate in Arts DTA (AA-DTA) format or Associate in Science Transfer (AS-T) format, with courses chosen to following a specific major.

ASSOCIATE IN SCIENCE—TRANSFER DEGREES (AS-T)

Associate in Science-Transfer degrees are designed to prepare science and engineering majors for transfer to a four-year school with standing as a junior. All of the Associate in Science-

6 GENERAL DEGREE/PROGRAM INFORMATION

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Transfer degrees adhere to guidelines developed under the guidance of the Washington State Board of Community and Technical Colleges. Most coursework is in mathematics, science, and engineering but the curriculum also includes additional general education requirements.

ASSOCIATE IN APPLIED SCIENCE – TRANSFER DEGREES (AAS-T)

Associate in Science– Transfer (AAS-T) degrees are a type of professional-technical degree that also include a minimum of 4 classes (20 credits) of transferable general education courses drawn from the same distribution requirements list as those taken by students completing other transfer degrees. In addition, each AAS-T must have one or more articulation agreements in place with a specific bachelor's degree program offered at SVC or another four-year institution. Associate in Applied Science – Transfer degrees prepare graduates for jobs requiring two years of training and/or for transfer to specific four-year institutions with agreements to accept this degree toward specific Bachelor's programs.

ASSOCIATE IN EDUCATION (A.ED) AND ASSOCIATE IN VISUAL ARTS (AVA) DEGREES

These are two-year transfer degrees that articulate to specific four-year schools with agreements to accept these degrees toward specific bachelor's programs. They differ from DTA and AS-T degrees, which are designed to transfer to any four-year institution within Washington State.

WORKFORCE FOCUSED ASSOCIATE DEGREES

Intended to give students the skills needed to move directly into employment. These degrees also prepare alumni for entry into a BAS degree program.

ASSOCIATE OF APPLIED SCIENCE DEGREES (AAS)

Associate of Applied Science (AAS) degrees are designed to provide professional and technical training to prepare students for specific jobs or to improve existing skills. All career programs have advisory committees of professionals in related fields to ensure that the curriculum evolves with changes in business and industry. Advisory committee members and faculty members work together to link education and employment to help students succeed.

ASSOCIATE DEGREE – GENERAL STUDIES

Intended for students who are looking to achieve a two-year degree.

ASSOCIATE OF ARTS, GENERAL STUDIES (AA)

The Associate of Arts–General Studies (AA) degree is appropriate for students whose primary goal is to earn a two-year college degree. It may be suitable for you if you wish to apply credit by challenge, independent study, CLEP, professional/technical, or military programs to courses not included in the Direct Transfer Agreement (DTA) where applicable.

This degree is not designed to be a transfer degree. It is strongly recommended that students taking the AA General Studies degree and desiring to transfer to a four-year college or university seek the assistance of an SVC academic advisor to plan an appropriate course of study.

HIGH SCHOOL DIPLOMA OR EQUIVALENCY

Diplomas are granted for successful completion of high school diploma programs at the college. Students can earn a high school diploma or an equivalent through multiple different programs at SVC. Each program has separate admission and completion requirements. Successful completion of any one of the programs will earn a student a high school diploma authorized by the State of Washington. Students may also earn a diploma through rules set in **State House Bill (SHB) 1758**. In addition, General Equivalency Degree (GED®) preparation classes are also offered for those seeking an alternate credential to a high school diploma.

HS+ ADULT HIGH SCHOOL DIPLOMA

HS+ Adult High School Diploma is a competency-based high school completion program for adults 19 years of age or older who do not have a U.S. high school diploma or GED®. High school competency requirements may be met through high school and college coursework and/or prior learning gained from work, life, and/or military experience. Unmet requirements may be achieved through additional coursework at SVC.

INVEST PROGRAM

The **INVEST Two Year Employability Certificate** at SVC is a comprehensive Post-Secondary Transition program for individuals with intellectual disabilities, currently enrolled in local high school until 21 years of age.

GED® EXAM PREPARATION

The **GED® Preparation** is a certificate of high school equivalency for individuals who have not completed high school. The exam consists of four separate tests, one for each of the following areas: Social Studies, Science, Mathematical Reasoning, and Reasoning through Language Arts (RLA).

CERTIFICATES

Approximately one year long, Certificates are intended to provide students with specialized training and skills in a number of interest areas.

MICRO-CERTIFICATES

Micro-Certificates are short-term programs focused on providing training in a specific skill. Typically two quarters or less, the courses are focused to help students gain skills in a specific area.

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BASIC EDUCATION FOR ADULTS PROGRAMMING

Basic Education for Adults (BEdA) programs are designed for adults who may have experienced educational gaps or missed the opportunity to develop certain skills. BEdA provides the opportunity for adult learners to achieve. This program is intended to improve English language skills, earn a high school diploma or GED®, or start earning college credit and prepare for career training or a transfer degree.

DEGREE AND PROGRAM TABLE OF CONTENTS

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- College and Career Bridge (CCB)
- College and Career Success Skills (CSS)
- English for Academic Purposes (EAP)
- English Language Acquisition (ELA)
- GED® Preparation
- High School Completion (HSC)
- Individualized Next Step Vocational Education and Social Skills Training (INVEST)
- Open Doors

BACHELOR OF APPLIED SCIENCE DEGREES (BAS) [P. 35]

- Bachelor of Applied Science in Advanced Manufacturing and Design (BAS-AMD)
- Bachelor of Applied Science in Education, Early Childhood Education (BAS-ECE)
- Bachelor of Applied Science in Environmental Conservation (BAS-EC)
- Bachelor of Applied Science in Management (BAS-M)
- Bachelor of Applied Science in Management, Healthcare Management (BASM-HM)

BACHELOR OF SCIENCE DEGREES (BS) [P. 41]

- Bachelor of Science in Computer Science (BS-CS)

DIRECT TRANSFER AGREEMENT/MAJOR RELATED PROGRAM, DTA/MRP [P. 43]

- Biology, Associate in Biology, DTA/MRP
- Business, Associate in Business, DTA/MRP
- Computer Science, Associate in Computer Science, DTA/MRP
- Music, Associate in Music, DTA/MRP

TRANSFER DEGREES [P. 43]

ASSOCIATE OF ARTS, DIRECT TRANSFER AGREEMENT, AA-DTA [P. 66]

- American Sign Language Emphasis, AA-DTA
- Art Emphasis, AA-DTA
- Communication Emphasis, AA-DTA
- Economics Emphasis, AA-DTA
- English Emphasis, AA-DTA
- History Emphasis, AA-DTA
- Kinesiology Emphasis, AA-DTA
- Mathematics Emphasis, AA-DTA
- Nutrition Emphasis, AA-DTA
- Philosophy Emphasis, AA-DTA
- Political Science Emphasis, AA-DTA
- Psychology Emphasis, AA-DTA
- Sociology Emphasis, AA-DTA
- Spanish Emphasis, AA-DTA

ASSOCIATE IN SCIENCE – TRANSFER TRACK #1, AS-T [P. 69]

- Biology Emphasis, Transfer Track #1, AS-T
- Chemistry Emphasis, Transfer Track #1, AS-T
- Earth Science Emphasis, Transfer Track #1, AS-T
- Environmental Science Emphasis, Transfer Track #1, AS-T
- Geology Emphasis, Transfer Track #1, AS-T

ASSOCIATE IN SCIENCE – TRANSFER TRACK #2, AS-T [P. 75]

- Engineering Emphasis, Transfer Track #2, AS-T
- Physics Emphasis, Transfer Track #2, AS-T

ASSOCIATE IN SCIENCE/MAJOR RELATED PROGRAM [P. 79]

- Engineering, Associate in Science, Transfer Track #2 (Engineering), AS-T/MRP

ARTICULATED ACADEMIC TRANSFER DEGREE [P. 84]

- Visual Arts, Associate of Visual Arts, AVA

NURSING PROGRAM [P. 86]

- Nursing, Associate in Nursing, DTA/MRP
- Pre-Nursing, Associate in Pre-Nursing, DTA/MRP

EDUCATION TRANSFER [P. 91]

- Associate of Education, A.Ed.
- Early Childhood Education, A.Ed.
- Education Paraprofessional, A.Ed.

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ASSOCIATE IN APPLIED SCIENCE DEGREES [P. 96]

- Associate in Applied Science, AAS
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ADVANCED MANUFACTURING AND DESIGN TECHNOLOGY [P. 98]

- Advanced Manufacturing and Design, AAS
- Manufacturing Technology Certificate
- Composites Repair Technician Micro-Certificate
- Manufacturing Automated Systems Technology Micro-Certificate
- Manufacturing Computer Numeric Control (CNC) Operator Micro-Certificate
- Technical Drawing Micro-Certificate

ALLIED HEALTH EDUCATION [P. 101]

- Medical Assistant, AAS
- Medical Assistant Certificate
- Medical Billing and Coding, AAS
- Medical Billing And Coding Certificate
- Pharmacy Technician Certificate

AUTOMOTIVE TECHNOLOGY [P. 107]

- Automotive Technology, AAS
- Automotive Engine Performance Specialist Certificate
- Automotive Parts and Service Specialist Certificate
- Automotive Electrical Specialist Micro-Certificate
- Automotive Engine Machinist Micro-Certificate
- Automotive Transmission Specialist Micro-Certificate
- Automotive Undercar Specialist Micro-Certificate

BUSINESS MANAGEMENT [P. 110]

- Business Management, AAS
- Entrepreneurship Certificate
- Entrepreneurship Micro-Certificate

CRAFT BREWING [P. 111]

- Craft brewing Certificate

CULINARY ARTS [P. 113]

- Culinary Arts, Baking and Pastry, AAS
- Culinary Arts, Culinary, AAS
- Culinary Arts, Professional Cooking Certificate
- Culinary Arts, Basic Bakery Competence Micro-Certificate

DATA MANAGEMENT AND ANALYTICS [P. 117]

- Data Management and Analytics, AAS

DENTAL THERAPY [P. 117]

- Dental Therapy, AAS

DIESEL POWER TECHNOLOGY [P. 120]

- Diesel Power Technology, AAS

EARLY CHILDHOOD EDUCATION [P. 122]

- Education, Early Childhood Education, AAS
- Education, Early Childhood Education, A.Ed.
- Education, State Early Childhood Education Certificate
- Education, State Short Early Childhood Education, Administration Certificate
- Education, State Short Early Childhood Education, Family Child Care Certificate
- Education, State Short Early Childhood Education, General Certificate
- Education, State Short Early Childhood Education, Infant/Toddler Care Certificate
- Education, State Short Early Childhood Education, School Age Care Certificate
- Education, State Initial Early Childhood Education, Micro-Certificate

ENVIRONMENTAL CONSERVATION [P. 126]

- Environmental Conservation, AAS-T
- Environmental Conservation Studies Certificate
- Environmental Conservation Advanced Wetland Delineation Micro-Certificate
- Environmental Conservation Basic Wetland Delineation Micro-Certificate

FAMILY LIFE [P. 129]

- Parent Leadership and Advocacy Certificate

FIRE SCIENCES [P. 129]

- Fire Protection Technology, AAS
- EMT: Basic Emergency Medical Technician Micro-Certificate
- EMT: Enhanced Emergency Medical Technician Micro-Certificate

GEOGRAPHIC INFORMATION SYSTEMS [P. 132]

- Geographic Information Systems Certificate

HUMAN SERVICES [P. 132]

- Human Services Generalist, AAS
- Human Services Substance Use Disorder Counseling, AAS
- Human Services Substance Use Disorder Counseling, Certificate

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MARINE MAINTENANCE TECHNOLOGY [P. 135]

- Marine Maintenance, Technology, Marine Technician, AAS
- Marine Electrical Technician Certificate
- Marine Mechanical Technician Certificate

MULTI-OCCUPATIONAL TRADES (APPRENTICESHIP) [P. 138]

- Multi-Occupational Trades, AAS

MULTIMEDIA AND INTERACTIVE TECHNOLOGY [P. 138]

- Multimedia, Web Designer, AAS
- Multimedia, Web Developer, AAS-T
- Adobe Certificate
- Digital Media Marketing Certificate
- Digital Video Certificate
- Graphic Arts Certificate
- Multimedia Web Design Certificate

NURSING [P. 142]

- Nursing, Registered Nursing, AAS
- Nursing Assistant Education Certificate

PARK RANGER LAW ENFORCEMENT ACADEMY [P. 145]

- Park Ranger Law Enforcement Academy PRLEA Certificate
- Park Ranger Law Enforcement Academy PRLEA/EMR Certificate
- Park Ranger Law Enforcement Academy PRLEA/FIRE Certificate

TECHNICAL DESIGN (CAD) [P. 146]

- Technical Drawing Micro-Certificate

WELDING TECHNOLOGY [P. 147]

- Welding Technology, AAS
- Welding Technology Certificate
- Welding Technology, Aluminum Welding Specialty Certificate
- Welding Technology, Flux-Cored Arc Welding Specialty Certificate
- Welding Technology, Shielded Metal Arc Welding Specialty Certificate
- Welding Technology, WABO Certification

BASIC EDUCATION FOR ADULTS

Basic Education for Adults (BEA) programs are designed for adults who would benefit from additional support with reading, writing, and/or math; or for Speakers of Other Languages wanting to improve reading, writing, listening, and speaking skills in English. BEA provides the opportunity for adult learners to:

- Improve English language skills,
- Earn a High School Diploma or GED®,
- Prepare for career training, and
- Start earning college credit.

Who Is Eligible?

BEA programs are for persons age 19 or older who meet one or more of the following:

- Speak a primary language other than English,
- Have not completed high school, and
- Who want to improve reading, writing or math skills for entry into college level coursework.

Individuals age 16-18 who have not graduated from high school may enroll after providing a high school release form (obtainable from the high school where you currently live), or if homeschooled, a notarized statement of homeschooling. Students age 16-21 may be eligible for the Open Doors High School Completion program.

Individuals with a student or au pair (F1, M1, or J1) visa are not eligible and should contact the International Student Office for information on options.

How Much Does It Cost?

Participation in the BEA classes costs \$25 per quarter any you may enroll in multiple BEA classes at no extra cost. A tuition waiver is available to those who meet income eligibility requirements.

For more information contact us at:

Enrollment Services..... 360.416.7700

COLLEGE AND CAREER SUCCESS SKILLS (CSS)

College and Career Success Skills (CSS) courses provide students with strategies designed to enhance their academic success. In CSS courses, students receive support in academic and career planning, learning strategies, financial literacy, informed decision-making, and self-exploration.

First Quarter Experience

All new degree-seeking students are required to complete a First Quarter Experience (FQE) course. FQE is proven to increase student retention and prepare students for successful completion of their degrees. Not all CSS classes are FQE courses. **The following courses meet the FQE requirement:**

- CSS 103 – First Quarter Experience
- CSS 109 – First Quarter Experience with Career Emphasis
- CSS 110 – First Quarter Experience for TRIO Students

In FQE, students access specific college resources to secure success in the classroom; develop a financial plan; choose appropriate occupational choices based on personal interests; and plan an appropriate academic schedule and degree completion timeline. Students who have earned 45+ college level credits are exempt from taking an FQE.

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COLLEGE AND CAREER BRIDGE (CCB)

The College and Career Bridge program sets students on a pathway toward their desired college major and career. Adults returning to school after a break of several years or who are seeking to improve academic skills receive quality and supportive instruction to help gain the reading, writing, math, and academic skills needed to succeed in college level courses.

Pathway Options

ON RAMP

Improve foundational reading and writing skills while learning about topics that move you toward meeting your goal whether it be high school completion or preparing to enter a college certificate or degree program.

COLLEGE AND WORKFORCE PREP ACADEMY (CWPA)

Improve academic readiness through mastering critical thinking, reading and writing skills to prepare to enter a college program while exploring certificate and degree options in your area of interest. Successful completion of CWPA helps students earn English competency toward a high school diploma; prepares students for enrollment in I-BEST; and prepares students for transition to a college certificate or degree program.

INTEGRATED BASIC EDUCATION AND SKILLS TRAINING (I-BEST)

I-BEST pairs a professional or technical program with Adult Basic Education courses; including reading, writing, and math skills. I-BEST provides educational access and support for students to progress further and faster along career pathways.

MATH

Integrated pre-college math prepares students for entry into WMATH 100—Professional Technical Applied Math or MATH 097—Elementary Algebra in a supportive student friendly environment.

Cost of Program

CCB, On Ramp, and CWPA tuition is \$25 per quarter. You may take more than one CCB class at no extra cost. A tuition waiver is available for those who qualify.

Students enrolled in I-BEST pay regular tuition for the college courses, but do not pay for the CCB support class. Financial aid may be available for those who qualify.

Program Admissions

New students should register for CCB 010—CCB Orientation. Orientation classes are held the week before classes start.

Option 1: If you are not ready to enter a college program, but know that you want to improve your reading, writing and/or math skills enroll as follows:

- **Mount Vernon campus:** Assistance in registering is available in Lewis Hall at the Admissions Desk or in room L-127.
- **Oak Harbor campus:** Assistance in registering is available Old Main at the Admissions Desk.

Option 2: If you know what college program you want to pursue follow the SVC application process. As you go through the admissions and advising process counselors will help you enroll in the classes right for you.

ENGLISH FOR ACADEMIC PURPOSES (EAP)

Program Overview

The English for Academic Purposes (EAP) Program is designed for students whose first language is not English. The EAP program is located on the Mount Vernon Campus and is comprised of intensive and semi-intensive classes. Classes are credit-bearing, with each level of instruction providing between 10 and 20 credit hours per week, depending on placement. Mid-quarter entry is available for international students entering the intensive level offerings; otherwise, EAP courses follow the college quarterly schedule. Our focus includes English for Academic Purposes, developing intercultural awareness, personal growth, and successful study skills. The program provides a warm and friendly environment where students can readily find support from instructors, tutors, staff, and fellow students. Faculty members facilitate learning, mentor students, and provide meaningful opportunities to learn and practice English. The program also hosts the EAP Tutoring Center, for all international students needing assistance with their coursework.

For more information, please contact the International Programs Office at skagit.edu/international.

ENGLISH LANGUAGE ACQUISITION (ELA)

Interested in learning or improving your English language skills? English Language Acquisition (ELA) provides English language instruction in speaking, listening, reading, writing, and college readiness. ELA prepares students for transition to High School Completion, College and Career Bridge, college certificate and degree programs; or employment.

Who Is Eligible?

- Any person with limited English skills who is age 19 or older, OR any individual who has graduated from high school, is eligible to enroll in ELA classes.
- Individuals age 16-18 who have not graduated from high school may enroll after providing a high school release form (obtainable from the high school where you currently live) or, if homeschooled, a notarized statement of homeschooling.
- Individuals with a student or au pair (F1, M1, or J1) visa 4 are not eligible and should contact the **International Student Office** for information on class options.

How to Register for Classes

Day and evening classes are available for beginning to advanced students.

- New students: Submit an application online: skagit.edu/gettingstarted/. Request an appointment for CASAS testing and for seeing your Navigator at enrollment@skagit.edu (English), informacion@skagit.edu (Español) or call 360.416.7700 (English), 360.416.7740 (Español).

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- Returning students: Follow the steps online: skagit.edu/getting-started/continuing-students/. For further assistance, please communicate at enrollment@skagit.edu (English), informacion@skagit.edu (Español) or call 360.416.7700 (English), 360.416.7740 (Español).

In-person assistance for registering is available at:

- Mount Vernon Campus:** Lewis Hall at the Admissions Desk.
- Whidbey Island Campus:** Oak Hall at the Admissions Desk.

What Is The Cost?

ELA tuition is \$25 per quarter. You may take more than one ELA class at no extra cost. A tuition waiver is available for those who meet income eligibility.

Contact Us:

Mount Vernon Campus	360.416.7640
Whidbey Island Campus	360.679.5339

HIGH SCHOOL COMPLETION (HSC)

Overview

Our high school completion programs help you earn the credential you need to prepare for post-secondary education, further training, military service, and employment. Skagit Valley College (SVC) has several options for adult students who want to complete high school. All students entering Basic Education for Adult classes take the Comprehensive Adult Student Assessment System (CASAS) so they can be placed in the right level of classes. The information on these tests relate directly to everyday reading and math skills.

Program Options

- GED® exam preparation in English or Spanish is offered through individualized and classroom instruction in the areas of reading, writing, math, computer technology, social studies, and science.
- HS+ Adult High School Diploma** is a competency-based high school completion program for adults 19 and older who do not have a high school diploma from a US institution. High school competency requirements may be met through high school and college coursework or work; prior learning; or life, and/or military experience. Unmet requirements are achieved through coursework at Skagit Valley College.
- Open Doors Opportunities for Youth:** Individuals below age 21 who have not completed high school may be eligible for the Open Doors Youth Re-engagement high school completion program. To request an application contact a counselor at the high school in your district or call our office at the number below.
- Traditional Adult High School Diploma** is an opportunity to earn a high school diploma by completing required coursework with SVC college level classes. Regular college tuition and fees apply. Students may earn a high school diploma upon completion of a two year ATA, DTA or other transfer degree. Contact an SVC Counselor for more information.

How to Register for Classes

- New students: Submit an application at skagit.edu/getting-started/first-time-students. Request an appointment for CASAS testing and for seeing your Navigator at enrollment@skagit.edu or call 360.416.7700.
- Returning students: Follow the steps at skagit.edu/getting-started/continuing-students, for further assistance, please communicate at enrollment@skagit.edu or call 360.416.7700.

In-person assistance for registering is available at:

- Mount Vernon Campus:** Lewis Hall at the Admissions Desk.
- Whidbey Island Campus:** Oak Hall at the Admissions Desk.

INDIVIDUALIZED NEXT STEP VOCATIONAL EDUCATION AND SOCIAL SKILLS TRAINING (INVEST)

The Individualized Next Step Vocational Education and Social Skills Training (INVEST) Program is designed to address the unique academic and employment needs of post-secondary students with intellectual disabilities including school district Transition Students ages 18 to 21. INVEST students may earn a one-year 'Fast Track' Employability Certificate or a two-year Employability Certificate. These are local certificates not currently recognized by the State of Washington.

SVC's INVEST Program provides post-secondary access and ensures that students gain a variety of employment and life skills. The program provides integrated opportunities that include post-secondary education and training, academic enrichment, inclusive socialization and recreation, assistive technology, self-advocacy, independent living skill development, career exploration, integrated work experiences, and ultimately, gainful employment that matches each student's interests and unique abilities. Internships in collaboration with Vocation Rehab, Chinook Enterprises, and the WDC are opportunities available for students enrolled in the program.

INVEST is built upon the foundation of the 16 Evidence-Based Secondary Transition Predictors for Improving Post-School Outcomes for Students with Disabilities, compiled by the National Post-School Outcomes Center and National Secondary Transition Technical Assistance Center (CITE) and other successful program models.

Program Options

INVEST FAST TRACK EMPLOYABILITY CERTIFICATE

36 credits

Certificate Requirements

The INVEST Fast Track Employability Certificate is a one year (36 credits) program that provides students foundational

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employability skills and allows students to explore an area of interest. The following courses are required for the Fast Track Employability Certificate:

- INV 011—INVEST Orientation (2)
- INV 020—INVEST Digital Technology (1-5)
- INV 030—INVEST Communication and Self-advocacy (4)
- INV 040—INVEST Career Inventory (2)
- INV 045—INVEST Interview Skills (2)
- INV 070—INVEST Service Learning (1-8) (9)
- INV 075—INVEST Practicum Seminar (1-6) (6)
- INV 090—INVEST Capstone (3)
- Electives (6)

INVEST 2 YEAR EMPLOYABILITY CERTIFICATE

72 credits

Certificate Requirements

The INVEST Employability Certificate is a 2 year program (72 credits) in which students gain both employability skills and the opportunity to explore one or more areas of study through electives in integrated settings. Students complete a capstone project and have the opportunity to participate in an internship experience. The following classes are required for the 2 year Employability Certificate:

- INV 011—INVEST Orientation (2)
- INV 020—INVEST Digital Technology (1–5)
- INV 030—INVEST Communication and Self–advocacy (4)
- INV 035—INVEST Critical Thinking (2)
- INV 040—INVEST Career Inventory (2)
- INV 045—INVEST Interview Skills (2)
- INV 050—INVEST Balancing Work and Life (2)
- INV 070—INVEST Service Learning (1-8) (18)
- INV 075—INVEST Practicum Seminar (1-6) (6)
- INV 080—INVEST Employment Internship (6)
- INV 090—INVEST Capstone (3)
- PE Activity Classes (2)
- Electives (21)

BACHELOR OF APPLIED SCIENCE DEGREES (BAS)

BACHELOR OF APPLIED SCIENCE IN ADVANCED MANUFACTURING AND DESIGN (BAS-AMD)

Overview

The bachelor's program at Skagit Valley College (SVC) in Advanced Manufacturing and Design (BAS-AMD) provides the skills and experience needed to advance your career in manufacturing across a broad range of industries and in both technical and managerial roles. SVC's curriculum is based on

solving real world workplace challenges related to production systems, automation, materials testing, safety, operations and project management, supply chain, quality control, technical communications, and sustainability.

Participants will draw on past educational and work experience while also working to build advanced skills and knowledge in CAD/CAM, data analysis, and technical problem solving. Participants will work closely with experienced faculty in a supportive and inclusive learning environment. The faculty members are experts in their fields and hold elevated expectations while providing participants with program guidance and mentorship. The program is structured to provide participants with a balance between in-person and asynchronous online courses.

Graduates of the program will be trained and well-equipped to pursue a career with opportunities in a wide range of industries as technical leaders or managers in manufacturing and production environments. They will be able to apply their knowledge and skills to collaborate on the design, development, and implementation of manufacturing systems that are efficient, cost-effective, and produce high-quality products.

Degree Option

The Bachelor of Applied Science in Advanced Manufacturing and Design (BAS-AMD) is a two-year, 90-credit career-orientated degree for those who hold an associate degree in manufacturing, a technical trade, engineering technology, or a closely related field or have earned 90+ credits of college coursework in a STEM-related program.

The bachelor's program in Advanced Manufacturing and Design has a selective admissions process and students may only begin the program fall quarter. Prospective students must attend a program briefing to receive application materials.

A Bachelor in Applied Science (BAS) degree is awarded upon completion of 90 credits of specified 300- and 400-level coursework with a cumulative GPA of 2.5 in upper-level courses. Entry into a graduate program may require a higher GPA for admission. Students are responsible for checking specific major requirements of graduate institutions.

Cost of Program

Specific tuition information can be found at: www.skagit.edu/tuition-fees. Textbook costs should not exceed \$150 per academic quarter. Upper division courses carry a higher tuition rate than lower division courses.

Program Learning Outcomes

Upon completion of the BAS-AMD program, students will be able to:

- Apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadly-defined engineering problems appropriate to the discipline.
- Design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline.

6 GENERAL DEGREE/PROGRAM INFORMATION

BAS-AMD • BAS-ECE • BAS-EC • BAS-M • BASM-HM • BS-CS • AA-DTA • AS-T • AVA • DTA/MRP • A.Ed. • AAS • AAS-T • AS-T/MRP • CERTIFICATES AND MICRO-CERTIFICATES

- Apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature.
- Conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes.
- Function effectively as a member as well as a leader on technical teams.

Program Admissions

SVC's Applied Bachelor degrees are selective admission programs with a separate admissions process for these degrees. Prospective students must register for and attend a program briefing to receive application materials. Information on the application and admissions process is available at www.skagit.edu/basamd.

Sample Career Options

- Project Engineer
- Quality Engineer
- Manufacturing Technologist
- Production Manager
- Operations Manager

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

90 credits

FIRST YEAR

Fall Quarter

- MANF 304—Foundations of Advanced Manufacturing and Design (5)
- ENGR 316—Applied Engineering Analysis for Manufacturing (5)
- PHYS 316—Applied Strength of Materials for Manufacturing (5)

TOTAL CREDITS: 15

Winter Quarter

- MANF 334—Manufacturing Materials, Processes, and Systems (5)
- MGMT 316—Operations Management for Manufacturing (5)
- MGMT 326—Principles of Finance for Manufacturing (5)

TOTAL CREDITS: 15

Spring Quarter

- MANF 354—Industrial Safety (5)
- MANF 394—Product Design and Development (5)
- MGMT 336—Project Management for Manufacturing (5)

TOTAL CREDITS: 15

SECOND YEAR

Fall Quarter

- MANF 424—Toyota Production System (5)
- MANF 494—Production Lab: Capstone I (5)
- MGMT 426—Supply Chain Management for Manufacturing (5)

TOTAL CREDITS: 15

Winter Quarter

- MANF 454—Industrial Automation (5)
- MANF 495—Production Lab: Capstone II (5)
- MGMT 456—Statistical Quality Control for Manufacturing (5)

TOTAL CREDITS: 15

Spring Quarter

- MANF 464—Sustainable Manufacturing (5)
- MANF 496—Production Lab: Capstone III (5)
- PHIL 440—Ethics and the Manager (5)

TOTAL CREDITS: 15

BACHELOR OF APPLIED SCIENCE IN EDUCATION, EARLY CHILDHOOD EDUCATION (BAS-ECE)

Overview

If you are interested in becoming a preschool through 3rd grade teacher who is prepared to work effectively with multilingual learners and their families, the Bachelor of Applied Science in Early Childhood Education degree is for you.

Learning in the program takes place through a blend of online and classroom engagement, practice and clinical experiences in preschool through 3rd grade classrooms.

The course of study prepares students with the skills necessary for leading effective preschool and primary school classrooms.

Degree Option

The Bachelor in Early Childhood program is a three-year degree designed for students who have completed an associate degree (AA, AAS-T, AAS, or ATA) in Early Childhood Education or Education Paraprofessional.

The Bachelor in Early Childhood Education program has a selective admissions process and students may only begin the program fall quarter. Prospective students must attend a program briefing to receive application materials. Delete: The choice of degree is selected at the time of application and students must attend a program briefing to receive application materials. The application and admission process information can be found at <https://www.skagit.edu/academics/areas-of-study/bachelors/>

A Bachelor of Applied Science in Early Childhood Education degree is awarded upon completion of 98 credits of specified 300 and 400 level coursework with a cumulative GPA of 2.5 or higher. Entry into a master's program may require a higher GPA for admission. Students are responsible for checking specific requirements of graduate institutions prior to application.

A complete list of SVC's Early Childhood Education programs are listed at skagit.edu/basece.

6 GENERAL DEGREE/PROGRAM INFORMATION

BAS-AMD • BAS-ECE • BAS-EC • BAS-M • BASM-HM • BS-CS • AA-DTA • AS-T • AVA • DTA/MRP • A.Ed. • AAS • AAS-T • AS-T/MRP • CERTIFICATES AND MICRO-CERTIFICATES

Cost of Program

Specific tuition information can be found at: [skagit.edu/tuition-fees](https://www.skagit.edu/tuition-fees). Upper division courses carry a higher tuition rate than lower division courses.

Time Commitment and Schedule

Classes are held every other Saturday on the Mount Vernon campus. Additionally, you will be required to complete lab hours in a preschool through third grade classroom every quarter. During the first two years of this three-year degree program, you can complete your lab hours at your current workplace, if you already work in the early learning field.

During the third year of the program, you will do your student teaching with a mentor teacher in a PreK- 3rd grade classroom at one of the program's partner schools in the Mount Vernon or Burlington-Edison School Districts. Student teaching hours are typically unpaid and are a significant investment of time.

You will complete 540 hours student teaching during the third year of the program. The time commitment consists of the following:

- Fall quarter: 2 full weeks and 2 hours per day for 11 weeks
- Winter quarter: 2 full days each week
- Spring quarter: 5 full days each week

Program Learning Outcomes

Graduates of the Bachelor of Applied Science in Environmental Conservation program will be able to:

- Describe the range of developmental needs of children aged 3 to 8 years old, including how children learn new information and skills.
- Differentiate instruction based on individual learning differences.
- Create inclusive and cognitively engaging educational environments that support student learning.
- Create learning experiences that use the central concepts and structures of the discipline to make the discipline accessible and meaningful to the students.
- Use multiple methods of assessment to learn about the learners and identify what and how to best teach them.
- Use instructional strategies that are culturally safe and responsive for a variety of children and families, including emerging multilingual learners.
- Use a variety of instructional strategies that encourage learners to develop a deep understanding of content areas and their connections.

- Plan instruction that supports every student in meeting rigorous learning goals by drawing upon knowledge of learners and the community context, as well as knowledge of content areas, curriculum, cross-disciplinary skills, and cognitive science.

Program Admissions

Applied Bachelor degrees at Skagit Valley College are selective admission programs with a separate admissions process for these degrees. Prospective students must register for and attend a program information session to receive application materials. Information on the application and admissions process is available at www.skagit.edu/academics/areas-of-study/bachelors/

Specialized Program Information

Skagit Valley College bachelor degrees follow a cohort model and students may only begin the program fall quarter.

PREREQUISITES

Entry requirements reflect the preparation needed for upper division courses in the Early Childhood Education field.

For the Bachelor of Applied Science in Early Childhood Education program, applicants must have all of the following:

- Attended an Early Childhood Education program briefing session. This is the only way a prospective student can receive an application for the program
- An associate degree (AA, AAS-T, AAS, or ATA) in Early Childhood Education or Education Paraprofessional by the time of entry into the program with a cumulative GPA of 2.75, or have completed any Associate degree and the following prerequisite courses with a C grade or higher: ENGL 101; CMST 220 or CMST 210:E or equivalent with a C or higher; EDUC 115 Child Development; EDUC 130 Guiding Behavior; and EDUC 150 Child, Family, and Community
- Completed the WEST-B standardized exam and submitted their scores with their program application
- Applicants may apply if they anticipate receiving their Associates degree before the program start. The acceptance will be conditional, and the degree or relevant courses must be completed before the first day of classes. All prerequisite courses must be completed before applying to the program

Advisor Check Ins:

These checkpoints provide the framework for Skagit Valley College Advising Policy and Procedures for BAS degrees:

- Prior to Application: The College will provide information designed to assist students in identifying educational goals and options, as well as critical resources for supporting students in achieving their goals.
- BAS Application: Students will be asked to attend a program briefing session and to apply for admission to the program.
- BAS Enrollment: Once accepted into the program, BAS faculty and staff will guide students with registration.

6 GENERAL DEGREE/PROGRAM INFORMATION

BAS-AMD • BAS-ECE • BAS-EC • BAS-M • BASM-HM • BS-CS • AA-DTA • AS-T • AVA • DTA/MRP • A.Ed. • AAS • AAS-T • AS-T/MRP • CERTIFICATES AND MICRO-CERTIFICATES

Certification and Licensure

The Bachelor of Applied Science (BAS) in Early Childhood Education prepares graduates to earn a Residency Teach Certificate in Washington State with an endorsement in ECE. Admission to the program (see above) requires passage of the WEST-B test of basic skills or an alternate assessment approved by the Washington Professional Educators Standards Board (see their website, here). Furthermore, earning the content endorsement in ECE required to teach in Washington requires candidates to

- Pass the **NES assessment** of content knowledge in Early Childhood Education; or
- Demonstrate proficiency in the content areas by compiling a portfolio of teaching materials for SVC's **case-by-case exception process**.

Candidates generally take the NES assessment in the second year of their program.

Earning a Washington teaching certificate requires **fingerprinting and successful passage of background checks** from the Washington State Patrol and the FBI. Individuals who hold a Washington Residency Teaching Certificate may also teach in Arizona, Florida, Hawaii, Illinois, Mississippi, Missouri, Nevada, and Oklahoma. Other states do not have direct reciprocity with Washington, but a Washington teaching certificate may be used for accelerated licensure in many states. See the Education Commission's **50 State Comparison** for more detail.

Faculty and Advisor

Alexis Meyers

Faculty and Department Chair

Alexis.Meyers@skagit.edu

Ariel Glavick

Certification Officer and Advisory

Ariel.Glavick@skagit.edu

Sample career options include:

- Head Start Lead Teacher
- Primary School Teacher (Preschool- 3rd grade)
- Head Start Center Manager
- Childcare Center Director
- Early Achievers Coach

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

98 credits

FIRST YEAR

Fall Quarter

- EDUC 303—Individual Learning Differences (5)
- EDUC 315—Early Childhood Development (5)

TOTAL CREDITS: 10

Winter Quarter

- ECED 360—Planning for Instruction (5)
- ECED 390—Assessment Methods (5)

TOTAL CREDITS: 10

Spring Quarter

- ECED 311—Culturally Responsive Pedagogy (5)
- SOSC 304—Counternarratives of Northwest History: Since Time Immemorial (5)

TOTAL CREDITS: 10

SECOND YEAR

Fall Quarter

- ECED 402—Teaching Math in Early Childhood Education (5)
- MATH 130—Math for Early Childhood Educators (5)

TOTAL CREDITS: 10

Winter Quarter

- ECED 389—Phonics (2)
- ECED 446—Bilingual Education: Theory and Practice (4)
- ECED 480—Early Literacy Methods (4)

TOTAL CREDITS: 10

Spring Quarter

- ECED 461—Content Teaching (4)
- ART 300—Art for Teachers (5)
- NASC 300—Inquiry-Based Science (5)

TOTAL CREDITS: 14

THIRD YEAR

Fall Quarter

- ECED 409—Professionalism Seminar (2)
- ECED 430—Classroom Management (5)
- ECED 460—Interdisciplinary Planning (2)
- ECED 497—Student Teaching 1 (2)

TOTAL CREDITS: 11

Winter Quarter

- ECED 410—Collaboration Seminar (2)
- ECED 498—Student Teaching: Since Time Immemorial Emphasis (4)
- CMST 330—Effective Classroom Communication Strategies (5)

TOTAL CREDITS: 11

Spring Quarter

- ECED 411—Leadership Seminar (2)
- ECED 499—Student Teaching III (10)

TOTAL CREDITS: 12

BACHELOR OF APPLIED SCIENCE IN ENVIRONMENTAL CONSERVATION (BAS-EC)

Overview

This Bachelor of Applied Science (BAS) program in Environmental Conservation is a two-year degree that builds on associate-level studies in environmental conservation, biology, ecology, and related fields.

With a focus on applied learning, students participate in classroom and laboratory learning, hands-on fieldwork,

6 GENERAL DEGREE/PROGRAM INFORMATION

BAS-AMD • BAS-ECE • BAS-EC • BAS-M • BASM-HM • BS-CS • AA-DTA • AS-T • AVA • DTA/MRP • A.Ed. • AAS • AAS-T • AS-T/MRP • CERTIFICATES AND MICRO-CERTIFICATES

internships, and capstone projects, often in collaboration with local conservation organizations and government agencies. Graduates are prepared for advanced field and laboratory work and leadership roles in federal, state, local, tribal, and private environmental sectors.

If you are interested in working as a leader for a more sustainable future, the Environmental Conservation BAS may be for you!

Degree Option

The Bachelor in Environmental Conservation program is a two-year degree designed for students who have completed an associate degree (AA, AAS-T, AAS, or ATA) in Environmental Conservation, Biology or who have earned 90 credits of equivalent college level course work. Refer to Program Admissions below for more information on the equivalent course work.

The Bachelor in Environmental program has a selective admissions process and students may only begin the program fall quarter. Prospective students must attend a program briefing to receive application materials. The choice of degree is selected at the time of application and students must attend a program briefing to receive application materials. The application and admission process information can be found at skagit.edu/basec.

A Bachelor of Applied Science in Environmental Conservation degree is awarded upon completion of 90 credits of specified 300 and 400 level coursework with a cumulative GPA of 2.5 or higher. Entry into a master's program may require a higher GPA for admission. Students are responsible for checking specific requirements of graduate institutions prior to application.

Cost of Program

Specific tuition information can be found at: skagit.edu/tuition-fees. Upper division courses carry a higher tuition rate than lower division courses.

Program Learning Outcomes

Graduates of the Bachelor of Applied Science in Environmental Conservation program will be able to:

- Apply scientific processes and thinking to answer scientific questions, including conducting scientific research from conception and design to analysis and reporting.
- Apply fundamental and advanced concepts of biology, ecology, and conservation, including application of the appropriate spatial and temporal scales, to formulate management strategies that address environmental issues in the bioregional context.
- Communicate, teach, lead, and diffuse conflict surrounding environmental issues using interculturally sensitive communication strategies.
- Perform environmental assessment procedures to standards set by natural resource management agencies.
- Work within existing structures to solve environmental problems and manage natural resources by identifying the appropriate responsible jurisdictional agencies and stakeholders.

Program Admissions

The Bachelor in Environmental Conservation program has a selective admissions process, and students may only begin the program fall quarter. Upon entry, students are committed to being full time students for two years as they move through the program with their cohort.

Prospective students must attend a program information session to receive application materials. Information on the application and admissions process is available at skagit.edu/basec.

Program Entry Requirements

PREREQUISITES

Entry requirements reflect the preparation needed for upper division courses in the Environmental Conservation field.

For the Bachelor in Environmental Conservation program, applicants must have the following:

1. Attended a BASEC program briefing session. This is the only way a prospective student can receive an application.
2. An associate degree (AA, AAS-T, AAS, or ATA) in Environmental Conservation or Biology by the time of entry into the program with a cumulative GPA of 2.50 or 90 credits of equivalent college-level courses. The equivalent courses must include at least 15 credits spread among at least two of the following areas Biology, Ecology, Wildlife Management, Natural Resource Management, Fisheries, Environmental Science, Forestry Rangeland Management, Entomology, Watershed Requirements.
 - *Applicants may apply if they anticipate receiving their associate degree or completing equivalent courses before the program start. The acceptance will be conditional, and the degree or relevant courses must be completed before the first day of classes.*
3. Met the entry requirements for ENVC 304 (first quarter course).
 - ENGL 101 and ENGL 102 or 10 credits equivalent college level English with a grade of C or higher.
 - CMST 220 or CMST 210:E or equivalent with a grade of C or higher.
 - CHEM 121 or other lab Chemistry with a grade of C or higher.
 - MATH 141 or MATH 146 or equivalent with a grade of C or higher.
 - GIS 101 or equivalent with a grade of C or higher.
4. BASEC faculty will assist students with course verifications.

Advisor Check-ins

These checkpoints provide the framework for SVC Advising Policy and Procedures for BAS degrees:

6 GENERAL DEGREE/PROGRAM INFORMATION

BAS-AMD • BAS-ECE • BAS-EC • BAS-M • BASM-HM • BS-CS • AA-DTA • AS-T • AVA • DTA/MRP • A.Ed. • AAS • AAS-T • AS-T/MRP • CERTIFICATES AND MICRO-CERTIFICATES

- **Prior to Application:** The College will provide information designed to assist students in identifying educational goals and options, as well as critical resources for supporting students in achieving their goals.
- **BAS Application:** Students will be asked to attend a program briefing session and to apply for admission to the program.
- **BAS Enrollment:** Once accepted into the program, BAS faculty and staff will guide students with registration. The application process is available at skagit.edu/basec.

Articulation with Bellingham Technical College

The Skagit Valley College (SVC) BAS-ENVC degree program will accept any student, from any program, who meets SVC's enrollment requirements. SVC also has a specific articulation agreement with Bellingham Technical College's (BTC) AAS-T (Fisheries & Aquaculture Sciences) program. This agreement is to give priority admission consideration to BTC students who have completed the AAS-T degree in Fisheries & Aquaculture Sciences at BTC if they apply by the published deadline for BAS-ENVC applications. Additional program entrance minimums may be required.

Faculty and Advisor

Dr. Madeleine Dupuy

Faculty and Department Chair
madeleine.dupuy@skagit.edu

Sample career options include:

- Environmental Restoration Planners
- Environmental Compliance Inspectors
- Environmental Scientists and Specialists, Including Health
- Wildlife Biologist
- Fisheries Biologist

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

90.5 credits

FIRST YEAR

Fall Quarter

- ENVC 302 – Data Management (2)
- ENVC 304 – River Ecology and Watershed Management (5)
- CHEM 301 – Chemistry for Environmental Conservation (5.5)
- CMST 303 – Communication in Natural Resources (3)

TOTAL CREDITS: 15.5

Winter Quarter

- ENVC 315 – Limnology and Reservoir Ecology (5)
- ENVC 424 – Applied Population and Community Ecology (5)
- QSCI 318 – Quantitative Analysis of the Environment (5)

TOTAL CREDITS: 15

Spring Quarter

- ENVC 320 – Landscape Ecology (5)
- ENGL 324 – Advanced Writing in Science (5)
- ENVC 327 – Advanced Wetland Ecology (5)

TOTAL CREDITS: 15

SECOND YEAR

Fall Quarter

- ENVC 405 – Behavioral Ecology (5)
- ENVC 407 – Forest Ecology (5)
- QSCI 408 – Quantitative Analysis of the Environment II (5)

TOTAL CREDITS: 15

Winter Quarter

- ENVC 310 – Soil Ecology (5)
- ENVC 412 – Natural Resource Policy Analyses (5)
- ENVC 499 – Internship – Service Learning (3)
- CMST 413 – Leadership Development in Natural Resources (2)

TOTAL CREDITS: 15

Spring Quarter

- ENVC 410 – Conservation Biology (5)
- ENVC 420 – Estuarine and Nearshore Ecology (5)
- ENVC 422 – Culminating Project (5)

TOTAL CREDITS: 15

BACHELOR OF APPLIED SCIENCE IN MANAGEMENT (BAS-M)

Overview

Known as the learning lab for the 21st century workplace, students with a Bachelor's degree in Management will be prepared for a variety of management or supervisory positions in almost any type of business or industry. Additionally, students can use this degree to build their own business.

Degree Option

The Bachelor in Applied Science – Management program is a two-year, 90 credit degree that offers an opportunity to gain the skills needed to excel in a management position. It is designed for students who have completed any professional technical certificate or associate degree including those degrees that do not typically transfer to four-year schools (AA, AAS-T, AAS, or ATA).

The program offers a BAS degree in either general Management or Healthcare Management. The Healthcare Management option is a non-clinical program.

The Bachelor in Management program has a selective admissions process and students may only begin the program fall quarter. Prospective students must attend a program briefing to receive application materials. The choice of degree is selected at the time of application and students must attend a program briefing to receive application materials. The application and admission process information can be found at skagit.edu/BASM.

6 GENERAL DEGREE/PROGRAM INFORMATION

BAS-AMD • BAS-ECE • BAS-EC • BAS-M • BASM-HM • BS-CS • AA-DTA • AS-T • AVA • DTA/MRP • A.Ed. • AAS • AAS-T • AS-T/MRP • CERTIFICATES AND MICRO-CERTIFICATES

A Bachelor in Applied Science (BAS) degree is awarded upon completion of 90 credits of specified 300 and 400 level coursework with a cumulative GPA of 2.5 in upper level courses. Entry into a Master's program may require a higher GPA for admission. Students are responsible for checking specific major requirements of graduate institutions.

Cost of Program

Specific tuition information can be found at: [skagit.edu/tuition-fees](https://www.skagit.edu/tuition-fees). Textbook costs should not exceed \$50 per upper level course. Upper division courses carry a higher tuition rate than lower division courses.

Program Learning Outcomes

Upon completion of the Bachelor of Applied Science in Management program, students will be able to:

- Address managerial and workplace issues and opportunities in their field of interest by applying a problem-solving approach that integrates multiple disciplines and functions.
- Compose solutions to workplace issues and opportunities that integrate fiscal and social responsibility perspectives.
- Challenge assumptions such as those formed by culture or irrational logic by analyzing the origins and perpetuation of explicit and implicit bias.
- Construct a platform for personal career/occupational growth and community impact by analyzing the levers of social capital, power, and privilege.
- Demonstrate leadership and professional presence by modeling workplace appropriate norms.

Program Admissions

Applied Bachelor degrees at SVC are selective admission programs with a separate admissions process for these degrees. Prospective students must register for and attend a program information session to receive application materials. Information on the application and admissions process is available at [skagit.edu/BASM](https://www.skagit.edu/BASM).

Specialized Program Information

SVC bachelor degrees follow a cohort model and students may only begin the program fall quarter. Each course in the Management program connects to each other within each quarter and from quarter to quarter. Courses build on prior life and educational experiences and are tailored to individual career interests. To replicate the workplace learning experience, courses involve working independently and in project teams.

To build the technology and digital skills necessary for success in the 21st century workplace and to maximize the accessibility of the program for those who are working and/or managing family obligations, all classes in the program are fully online. Students are invited to join a weekly lunchtime Zoom meeting at which they can engage with faculty and with other participants.

To support the accessibility of the program, costs for the required learning materials such as textbooks are capped at \$50 per course.

PREREQUISITES

Entry requirements reflect the preparation needed for upper division courses in the Management field.

For the Bachelor of Applied Science in Management program, applicants must have:

- Attended a program briefing. This is the only way a prospective program member can receive an application.
- A professional technical certificate with 90 college level credits or an associate degree by the Fall quarter of program entry (both with a cumulative GPA of 2.50).
- Applicants may apply if they anticipate receiving their associates degree before the program start. The acceptance will be conditional, and the degree must be completed before the first day of classes.
- Passed ENGL& 101–English Composition I and CMST& 210–Interpersonal Communication: E or CMST& 220–Public Speaking or their equivalent with a minimum grade of a “C.” These classes are a prerequisite for BASM 301 and must be completed before the first day of classes.
- Applicants may apply if they have not completed these classes at the time of application. Acceptance will be provisional and the BASM 301 prerequisites must be completed before the first day of Fall quarter classes.

Advisor Check-ins

These checkpoints provide the framework for Skagit Valley College Advising Policy and Procedures for selective entry Bachelor's degrees:

- Prior to Application: The College will provide information designed to assist students in identifying educational goals and options, as well as critical resources for supporting students in achieving their goals.
- BAS Application: Students will be asked to attend a program briefing session and to apply for admission to the program.
- BAS Enrollment: Once accepted into the program, BAS faculty and staff will guide students with registration. The application process is available at [skagit.edu/BASM](https://www.skagit.edu/BASM).

Faculty and Advisor

Sunaina Virendra

Management Department Chair and Instructor
sunaina.virendra@skagit.edu

Sample Career Options (Management track) –

- Marketing Manager/ Director
- Business Development Lead
- Sales Manager/ Director
- Human Resources Manager / Director
- Financial Manager, Branch or Department
- General and Operations Manager

6 GENERAL DEGREE/PROGRAM INFORMATION

BAS-AMD • BAS-ECE • BAS-EC • BAS-M • BASM-HM • BS-CS • AA-DTA • AS-T • AVA • DTA/MRP • A.Ed. • AAS • AAS-T • AS-T/MRP • CERTIFICATES AND MICRO-CERTIFICATES

Sample Career Options (Healthcare Management track) –

- Healthcare Marketing Manager/ Director
- Business Development Lead
- Sales Manager/ Director
- Human Resources Manager / Director
- Financial Manager, Branch or Department in Healthcare

Program Map

The Bachelor of Management degree is a cohort program. The Program Map includes the required quarterly sequence of courses to complete a degree in two years of full-time study. Once accepted into the program, faculty and staff will guide students with registration.

90 credits

BACHELOR OF APPLIED SCIENCE IN MANAGEMENT (BAS-M)

FIRST YEAR

Fall Quarter

- BASM 301–Foundations of Management (5)
- ECON 310–Economics for Managers (5)
- ENVS 314–Environmental Science and the Manager (5)

TOTAL CREDITS: 15

Winter Quarter

- BASM 322–Project Management (5)
- BASM 324–Marketing for Managers (5)
- BASM 334–Accounting for Managers (5)

TOTAL CREDITS: 15

Spring Quarter

- BASM 330–Operations Management (5)
- BASM 332–Human Resources and the Manager (5)
- BASM 422–Principles of Finance (5)

TOTAL CREDITS: 15

SECOND YEAR

Fall Quarter

- BUS 410–Managerial Presence (5)
- CS 370–Programming and Data Analysis for Managers (5)
- SOC 420–Social Capital and the Manager (5)

TOTAL CREDITS: 15

Winter Quarter

- BASM 499–BASM Workplace Project Experience (Internship) (5)
- BUS 430–Evidence Driven Decision Making (5)
- PSYC 412–Leadership and Organizational Behavior (5)

TOTAL CREDITS: 15

Spring Quarter

- BASM 495–Capstone: Management (5)
- BUS 450–The Manager and the Law (5)
- PHIL 440–Ethics and the Manager (5)

TOTAL CREDITS: 15

BACHELOR OF APPLIED SCIENCE IN MANAGEMENT, HEALTHCARE MANAGEMENT (BASM-HM)

Program Map

The Bachelor of Management–Healthcare Management degree is a cohort program. The Program Map includes the required quarterly sequence of courses to complete a degree in two years of full-time study. Once accepted into the program, faculty and staff will guide students with registration.

90 credits

FIRST YEAR

Fall Quarter

- BASM 301–Foundations of Management (5)
- ECON 310–Economics for Managers (5)
- ENVS 314–Environmental Science and the Manager (5)

TOTAL CREDITS: 15

Winter Quarter

- BASM 334–Accounting for Managers (5)
- HCM 325–Project Management in Healthcare (5)
- HCM 327–Marketing for Healthcare Managers (5)

TOTAL CREDITS: 15

Spring Quarter

- HCM 335–Healthcare Operations Management (5)
- HCM 339–Human Resources and the Healthcare Manager (5)
- HCM 425–Principles of Finance in Healthcare (5)

TOTAL CREDITS: 15

SECOND YEAR

Fall Quarter

- BUS 410–Managerial Presence (5)
- CS 370–Programming and Data Analysis for Managers (5)
- SOC 420–Social Capital and the Manager (5)

TOTAL CREDITS: 15

Winter Quarter

- BASM 499–BASM Capstone I: Workplace Project Experience (5)
- BUS 430–Evidence Driven Decision Making (5)
- PSYC 412–Leadership and Organizational Behavior (5)

TOTAL CREDITS: 15

Spring Quarter

- BASM 495–Capstone II: Applied Management (5)
- BUS 455–Healthcare Manager and the Law (5)
- PHIL 446–Ethics and the Healthcare Manager (5)

TOTAL CREDITS: 15

BACHELOR OF SCIENCE DEGREES (BS)

BACHELOR OF SCIENCE IN COMPUTER SCIENCE (BS-CS)

Overview

The Bachelor of Science in Computer Science (BSCS) degree at Skagit Valley College (SVC) is a direct entry, four-year program

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that prepares graduates for high paying careers in high-demand computer and technical fields. BSCS is a student-centered program designed to prepare students to work in industry contributing to the design and development of software and computer systems. The classes are built to facilitate collaboration and to replicate real-world perspectives through teamwork and independent learning.

Degree Option

The Bachelor of Science in Computer Science (BSCS) program is a four-year degree program.

During the first year, students will take general education courses as well as an introduction to computer science and computers and society. In year two, students will mainly take computer science courses including a three course programming series, linear algebra for data analysis web application programming, software development tools and a career seminar. In the first two years of the CS program, CS classes will meet in person on Tuesdays and Thursdays at the Mount Vernon campus with additional online requirements.

In year three, students will complete two one-credit computer science seminars that help students explore careers, draft resumes, compile job application materials, and practice interview techniques. Additionally, students are introduced to foundational hands-on skills in algorithms and data structures, foundations of computer science, database modeling, software engineering, two computer science electives, and math necessary for success in computer science. In the final year, students will cover advanced topics including security concepts, principles of computer systems, algorithmic problem solving, a two-quarter capstone project, programming languages, additional applied math, two computer science electives and the final computer science seminar.

A Bachelor of Science in Computer Science degree is awarded upon completion of 180 credits of specified coursework with a cumulative GPA of 2.5 or higher. Entry into a master's program may require a higher GPA for admission. Students are responsible for checking specific requirements of graduate institutions prior to application.

Program Learning Outcomes

Upon completion of the Bachelor of Science in Computer Science program, students will be able to:

- Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
- Using application of knowledge and skills acquired in the program, design, implement, test, evaluate and present a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
- Communicate effectively in a variety of professional contexts.
- Recognize professional responsibilities and make informed and equitable judgments in computing practice based on legal and ethical principles.
- Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline including responding to feedback, handling ambiguity, and communicating with internal and external stakeholders.
- Apply computer science theory and software development fundamentals to produce computing-based solutions.

Cost of Program

Specific tuition information can be found at: [skagit.edu/tuition-fees](https://www.skagit.edu/tuition-fees). Upper division courses carry a higher tuition rate than lower division courses.

Program Admissions

Apply at **Enrollment Services**. Students may enter the program at the beginning of fall quarter. Advanced standing may be requested for prior education or experience.

Specialized Program Information

Skagit Valley College Bachelor degrees follow a cohort model for upper division courses. In these cohort models, students may only begin the program fall quarter.

PREREQUISITE

Students must place into MATH 099 or above and ENGL 101 or above.

Laptop Requirement

The BSCS curriculum engages students in a hands-on learning environment to reflect modern software development practices, requiring students to collaborate in team-based workspaces with access to wireless technology. As a result, all incoming students are required to have consistent access to a computer, preferable a laptop, with a reliable internet connection. Students needing support, may reach out to the SVC Library.

Faculty

Catherine Wyman

Department Chair and Faculty
catherine.wyman@skagit.edu

Dr. Kai Dupe, Ed.D.

Faculty
Kai.dupe@skagit.edu

Sample Career Options

- Software Developer
- Software Quality Assurance Analyst and Tester
- Computer Systems Analyst
- Computer Programmer
- Database Administrator
- Computer and Information Systems Manager

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Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

180 credits

FIRST YEAR

Fall Quarter

- CS 110—Introduction to Computer Science (5)
- CSS 103—First Quarter Experience (2)
- ENGL& 101—English Composition I (5)
- MATH 099—Intermediate Algebra (5)

TOTAL CREDITS: 17

Winter Quarter

- CS 222—Computing, Data, and Society (5)
- CMST& 240—Intercultural Communication (5)
or any course from the Humanities section of the
Distribution Lists—AA-DTA [p. 145].
- MATH& 141—Precalculus I (5)

TOTAL CREDITS: 15

Spring Quarter

- ENGL& 235—Technical Writing (5)
- MATH& 146—Introduction to Stats (5)
- PSYC& 100—General Psychology (5)
or any course from the Humanities section of the
Distribution Lists—AA-DTA [p. 145].

TOTAL CREDITS: 15

SECOND YEAR

Fall Quarter

- CS 121—Introduction to Computer Programming I (5)
- PHIL 215—Introduction to Ethics: (5)
or any college level class as defined in the ICRC handbook
will fulfill this requirement for a general elective.
- Natural Science w/ Lab (5)

TOTAL CREDITS: 15

Winter Quarter

- CS 122—Introduction to Computer Programming II (5)
- CS 171—Linear Algebra for Data Analysis (5)
- Natural Science w/ Lab (5)

TOTAL CREDITS: 15

Spring Quarter

- CS 123—Introduction to Computer Programming III (5)
- CS 233—Web Application Programming (5)
- CS 243—Software Development Tools (3)
- CS 296—CS Career Seminar (2)

TOTAL CREDITS: 15

THIRD YEAR

Fall Quarter

- CS 202—Discrete Structures 1 (5)
- CS 301—Foundations of Computer Science (5)
- CS 320—Databases and Information Management Systems (5)
- CS 397—CS Seminar (1)

TOTAL CREDITS: 16

Winter Quarter

- CS 302—Discrete Structures 2 (5)
- CS 333—Data Structures and Algorithms 1 (5)
- CS 355—User Interface and Experience (5)

TOTAL CREDITS: 15

Spring Quarter

- CS 334—Data Structures and Algorithms 2 (5)
- CS 351—Software Engineering (5)
- CS 360—Cloud Basics (5)
- CS 397—CS Seminar (1)

TOTAL CREDITS: 16

FOURTH YEAR

Fall Quarter

- CS 397—CS Seminar (1)
- CS 401—Algorithmic Problem Solving (5)
- CS 422—Principles of Computer Systems (5)
- CS 450—Security Foundations (5)

TOTAL CREDITS: 16

Winter Quarter

- CS 433—Programming Languages (5)
- CS 4xx—CS Elective (5)
- CS 485—Capstone Project 1 (5)

TOTAL CREDITS: 15

Spring Quarter

- CS 402—Statistical Methods for User Research (5)
- CS 4xx—CS Elective (5)
- CS 486—Capstone Project 2 (5)

TOTAL CREDITS: 15

STATEWIDE TRANSFER DEGREES BY MAJOR

DIRECT TRANSFER AGREEMENT/ MAJOR RELATED PROGRAM, DTA/MRP

Associate Direct Transfer Agreement Major Related Program (MRP) pathways are transfer associate pathways outlining the appropriate courses in order for students to be well prepared to enter a major upon transfer-Major Related Program (MRP) pathways follow one of the two Washington Statewide transfer agreements-the Associate in Arts DTA format or the Associate in Science-Transfer (AS-T) format with courses chosen to following a specific major.

BIOLOGY, DTA/MRP

PLANNING GUIDE – TRANSFER DEGREE

Overview

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The Associate in Biology Direct Transfer Agreement/Major Related Program degree is intended to prepare students to transfer to Washington's public four-year colleges and universities and many private colleges with junior standing and the majority of the prerequisites for a Biology major completed.

Selecting and planning courses with a science advisor is strongly recommended to ensure a seamless transition to a Biology major program at a specific university or four-year college. Students are encouraged to check with the transfer institution early in their decision process to confirm degree requirements of baccalaureate college of choice.

Notes on Application to a University or College

- Admission application deadlines vary; students must meet the deadline for the university or universities to which they plan to apply for transfer admission.
- Certain schools may have additional—university-specific requirements that are not prerequisites to admission to the Biology major, but will need to be completed prior to graduation. Contact with advisors from individual schools for institutional requirements is highly recommended since this DTA may not meet every institution-specific graduation requirement.
- Certain schools may have additional—university-specific requirements for admission to the institution that are not prerequisites specifically identified in the DTA requirements.

Sample career options include:

- Molecular and Cellular Biologists
- Biological Science Teachers, Postsecondary
- Biological Technicians
- Environmental Restoration Planners

Transfer

If you are considering a major in Biology and transferring to one of the following universities...

- Central Washington University
- Eastern Washington University
- University of Washington
- Washington State University
- Western Washington University

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

97 credits

FIRST YEAR

1st Quarter

- CHEM& 161—General Chemistry w/Lab I (5)
- CSS 103—First Quarter Experience (2)
- ENGL& 101—English Composition I (5)
- MATH& 141—Precalculus I (5)

TOTAL CREDITS: 17

2nd Quarter

- CHEM& 162—General Chemistry w/Lab II (5)
- ENGL& 102—Composition II (5)
or ENGL& 235—Technical Writing (5)
- MATH& 142—Precalculus II (5)

TOTAL CREDITS: 15

3rd Quarter

- CHEM& 163—General Chem w/Lab III (5)
- Humanities course: Credits (5), preferably in Learning Community format. *Suggested: ART 100, DRMA 101, ENGL 112, ENGL 115, MUSC 105, PHIL 101, PHIL 215, or World Language. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*
- Quantitative Skills course: Credits (5). *Suggested: MATH& 151 or MATH& 146. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- BIOL& 221—Majors Ecology/Evolution (5)
- CHEM& 241—Organic Chem I (4)
- PE Activit (1)
- Social Science Course (5) *Suggested: ANTH 206, ECON 101, GEOG 100, HIST&, PSYC& 100, POLS& 101, or SOSC 100. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

5th Quarter

- BIOL& 222—Majors Cell/Molecular Biology (5)
- CMST& 210—Interpersonal Communication: E (5)
- BIOL 295—Biology Integrative Experience Seminar (2)
- Social Science Course (5)
Suggested: ANTH& 206, ECON 101, GEOG& 100, HIST&, PSYC& 100, POLS& 101, or SOSC 100. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 17

6th Quarter

- BIOL& 223—Majors Organismal Physiology Credits: (5)
- Social Science Course (5) preferably in Learning Community format. *Suggested: ANTH 206, ECON 101, GEOG 100, HIST&, PSYC 100, POLS 101, or SOSC 100. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*
- Humanities Course (5) preferably in Learning Community format. *Suggested: ART 100, DRMA 101, ENGL 112, ENGL 115, MUSC 105, PHIL 101, PHIL 215, or World Language. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

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BUSINESS, DTA/MRP

PLANNING GUIDE – TRANSFER DEGREE

Overview

The business world today moves quickly. Always changing, always evolving. To succeed there, you need to be prepared. It is competitive, exciting, and global-offering countless opportunities for innovation. Whether you are interested in pursuing a career in management, sales, accounting, finance, human resources or marketing, SVC can help you get started.

The Associate in Business Direct Transfer Agreement/Major Related Program (BUS DTA/MRP) degree is designed for students who are majoring in Business and transferring within Washington State. Completion of this degree fulfills lower division general education requirements for completion of a bachelor's degree and prerequisites for the Business major.

Sample career options include:

- Accountant
- Financial Examiner
- Marketing Manager
- Human Resource Specialist

Transfer

If you are considering a major in Business and transferring to...

- Central Washington University
- Eastern Washington University
- Evergreen State College
- University of Washington
- Washington State University
- Western Washington University

Your Academic advisor can provide you with recommended courses to complete your Business Direct Transfer Agreement, Major Related Program degree. The Business Major Related Program (MRP) helps prepare you to transfer by requiring specific courses in the first two years that can reduce the time it takes to complete the bachelor's degree in Business. Of course, educational plans may vary, based on which quarter you begin, how many credits are taken, placement into Math and English, and your preferred transfer institution. To keep you on the best pathway, we encourage you to consult with an Academic Advisor for scheduling options.

Learning Outcomes

- General Education Learning Outcomes
- Program Learning Outcomes

Degree Requirements

Students must complete a minimum of 90 quarter credits in transferable courses numbered 100 or above with a cumulative grade point average of at least 2.0 in order to graduate from SVC with an Associate in Business Degree. At least 25 college-level credits of the 90 credits must be earned at SVC. Credits must satisfy course requirements listed below.

Students should contact potential transfer institutions regarding specific requirements where options are listed.

Note: An ampersand (&) denotes Common Course Numbering

1. First Quarter Experience (5 cr.)

- CSS 103 First Quarter Experience (3)

2. Communication Skills (10 cr.)

- ENGL& 101–English Composition I (5)
- ENGL& 102–Composition II (5)

Note: EWU requires the second composition course be equivalent to EWU's English 201-College Composition: Analysis, Research, and Documentation.

3. Quantitative Skills (5 cr.)

- MATH& 148–Business Calculus (5)

Note: An additional five credits may include finite math or pre-calculus prerequisites for calculus or other course to prepare for business calculus. See Natural Sciences, below, for preferred math course.

4. * Physical Education (3 cr.)

- PE 100–Wellness For Life (1)
and two PE activity courses (2)
or one of the following options:
- PE 103–Wellness Movement (2)
and one PE activity course (1)
- PE 190–Weight Control Movement (1)
and one PE activity course (1)

* Excluded activity courses: PE 200, PE 204, and PE 205

5. Integrative Learning Experiences (2 Required)

Two Integrative Learning Experiences (ILE) are required. One ILE must be a Learning Community. The second ILE may be another Learning Community or an Integrative Experience.

- A Learning Community (LC) is the integrated combination of two or more courses from different areas of inquiry (e.g. sociology and literature, physics and math, etc.) Learning Communities are indicated in the course schedule.
- Integrative Experiences (IEs) are typically seminar courses in which students use an interdisciplinary approach for a specific topic or current issue (e.g. Ethics in Science). Integrative Experience seminars are indicated in the course schedule.

Note: Integrative Learning Experiences specifically designed for this degree may be offered; consult your advisor for information.

RECOMMENDED:

- MATH& 146–Introduction to Stats (5)
- NUTR& 101–Nutrition (5)
- BUS 295–Business Integrated Experience Seminar (2)

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6. Equity Requirement

At least one Equity Intensive course is required for students pursuing an Associate in Science (AS-T) or an Associate Direct Transfer Agreement/Major Related Program (DTA/MRP) degree. Students should use the SVC online quarterly class schedule search or consult with their faculty advisor or counselor to identify courses that fulfill this requirement.

7. Distribution Requirements (45 cr.)

Select credits from three areas of study: Natural Science, Social Science and Humanities. Eligible courses for each distribution area are listed in the **Associate in Arts–Direct Transfer Agreement Distribution Lists**, [p. 151]. These courses may also satisfy the Integrative Learning Experiences or Diversity requirement.

A. Natural Sciences (15 cr.)

Select from at least two disciplines. No more than 10 credits allowed from any one discipline. Five credits in statistics (business statistics preferred). At least 10 credits in physical, biological and/or Earth science, including at least one lab course. See Natural Sciences in the Associate in Arts–Direct Transfer Agreement Distribution Lists, [p. 156].

- MATH& 146–Introduction to Stats (5)

Note: Students intending the manufacturing management major at WWU should consult WWU regarding the selection of natural science courses required for admission to the major.

B. Social Sciences (15 cr.)

- BUS& 201–Business Law (5)
- ECON& 201–Micro Economics (5)
- ECON& 202–Macro Economics (5)

Note: Students should contact their potential transfer institutions for advice on which additional social science course to take.

C. Humanities (15 cr.)

Select from at least two disciplines. No more than 10 credits allowed from any one discipline. No more than 5 credits in foreign language at the 100 level. No more than 5 credits in the performance/skills courses allowed.

- CMST& 220–Public Speaking (5)
- 10 credits of Humanities.

Note: Students intending the international business major should consult their potential transfer institutions regarding the level of world language required for admission to the major. Students are encouraged to include a speech or oral communication course (not small group communication).

8. Required Business Core Courses (15 cr.)

Required business courses for all transfer institutions:

- ACCT& 201–Prin of Accounting I (5)
- ACCT& 202–Prin of Accounting II (5)
- ACCT& 203–Prin of Accounting III (5)

9. Electives (7-10 cr.)

BUS 120–Business Computers and Applications (5) recommended. This class may be required at transfer institution; check with SVC advisor.

Note: Students should contact their potential transfer institutions for advice on which general elective course to take. Gonzaga, PLU, WSU, and WWU have requirements for admission to the major that go beyond those specified above. Students can meet these requirements by careful selection of electives that are equivalent to the following:

- **Gonzaga:** Management Information Systems, BMIS 124.
- **PLU:** Computerized Information Systems, CSCE 120, or an equivalent course or skills test.
- **WSU** (all campuses): Management Information Systems, MIS 250.
- **WWU:** Introduction to Business Computer Systems, MIS 220.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

97 Credits

FIRST YEAR

1st Quarter

- ACCT& 201–Prin of Accounting I (5)
- **ENGL& 101–English Composition I (5)
- CSS 103–First Quarter Experience (2)
- Elective (5) *Suggested: BUS& 101 Intro to Business. Discuss specific course requirements with SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 17

2nd Quarter

- ACCT& 202–Prin of Accounting II (5)
- ENGL& 102–English Composition II (5)
- PE 100–Wellness for Life (1)
- Elective (5) *Suggested: BUS 120–Business Computers and Applications. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 16

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3rd Quarter

- ACCT& 203 – Prin of Accounting III (5)
- MATH& 146 – Introduction to Stats (5)
- Natural Sciences (5) course with lab, preferably as part of an Integrative Learning Experience (ILE). Suggested: NUTR 101–Nutrition and MATH& 146 Introduction to Stats, as part of the “Stats and Fats” learning community. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- PE Activity (1) Suggested: PE 133 Golf, PE 144 Beginning Tennis, PE 148 Pilates, or PE 149 Fitness Through Yoga.

TOTAL CREDITS: 16

SECOND YEAR

4th Quarter

- ECON& 201 – Micro Economics (5)
- MATH& 141 – Precalculus I (5)
- Humanities Course Requirement (5). Suggested: CMST& 240 Intercultural Communication. Discuss specific course requirements with an SVC Advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

5th Quarter

- ECON& 202 – Macro Economics (5)
- CMST& 220 – Public Speaking (5)
- PE Activity (1). Suggested: PE 133 Golf, PE 144 Beginning Tennis, PE 148 Pilates, or PE 149 Fitness Through Yoga.
- Humanities and Equity Course Requirement (5). Suggested: PHIL 215 Introduction to Ethics. Discuss specific course requirements with an SVC Advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 16

6th Quarter

- BUS& 201 – Business Law (5)
- Natural Science Course Requirement (5), with lab. Suggested: ENVC 165 Sustainability Fundamentals. Discuss specific course requirements with an SVC Advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- MATH& 148 – Business Calculus (5)
- Integrated Learning Experience (ILE) (2). Recommended: BUS 295 Business Integrated Experience Seminar. Discuss specific course requirements with an SVC Advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 17

Note ** Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.

COMPUTER SCIENCE, DTA/MRP

PLANNING GUIDE – TRANSFER DEGREE

Overview

The Associate in Computer Science Direct Transfer Agreement/Major Related Program pathway is applicable to students planning to prepare for computer science and related majors at universities and colleges in Washington. This pathway meets all of the requirements of the **Associate in Arts–Direct Transfer Agreement Distribution Lists**, [p. 156]. These Computer science programs are competitive and this pathway intends to provide students with the needed information to optimize their

coursework to meet the DTA and prepare for computer science and related majors at universities and colleges in Washington.

Sample career options include:

- Software Developer
- Systems Analyst
- Computer and Information Systems Manager

Transfer

If you are considering a major in Computer Science and are transferring to one of the universities listed below, the Program Map is designed to provide you with recommended courses to complete your Computer Science Direct Transfer DTA. This Computer Science Major Related Program (MRP) helps prepare you to transfer by requiring specific courses in the first two years that can reduce the time it takes to complete the bachelor's degree in Computer Science. Of course, educational plans may vary based on which quarter you begin, how many credits you take, placement into Math and English, and your preferred transfer institution. To keep you on the best pathway, you are encouraged to consult with an SVC Academic Advisor before you register for any classes.

- Central Washington University
- Eastern Washington University
- University of Washington
- Washington State University
- Western Washington University

Program Map

This program map is provided as a guide for a traditional full-time student whose goal is to earn the Computer Science, Direct Transfer Agreement/MRP, Planning Guide degree. The courses are designed with the appropriate number of credits to meet degree requirements and are organized in a recommended sequence. Please consult with an SVC advisor to schedule courses and develop an educational plan.

94 Credits

FIRST YEAR

1st Quarter

- CS 101 – Computers, Technology and Society (5)
- CSS 103 – First Quarter Experience (2)
- DATA 101 – Introduction to Data (5) or any one of the following: ENGL& 235, MATH& 153, MATH 204, MATH& 254, or any lab science intended for science and engineering majors.
- MATH& 151 – Calculus I (5)

TOTAL CREDITS: 17

2nd Quarter

- CS 142 – Java Programming I (5)
- ENGL& 101 – English Composition I (5)
- MATH& 152 – Calculus II (5) or any lab science planning with an advisor.

TOTAL CREDITS: 15

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3rd Quarter

- CS 143 – Java Programming II (5)
- MATH& 153 – Calculus III (5)
or any one of the following: DATA 101, ENGL& 235, MATH& 153, MATH 204, MATH& 254, or any lab science intended for science and engineering majors.
- PHIL 215 – Introduction to Ethics (5)
or CMST 240 or any course from the **Humanities section of the Distribution Lists–AA-DTA, [p. 151].**

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- ENGL& 102 – Composition II (5)
- PHYS& 241 – Engineering Physics I (5) or any Natural Science with Lab intended for science and engineering majors.
- PHYS& 231 – Engineering Phys Lab I (1) or any Natural Science Lab intended for science and engineering majors.
- Social Science course (5)
Suggested: SOC 101:E in a Learning Community with ENGL& 102.
Discuss specific course requirements with an SVC Advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 16

5th Quarter

- ECON& 201 – Micro Economics (5)
or any **Social Science course from the Distribution List, [p. 151].** Discuss specific course requirements with an SVC Advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- PHYS& 242 – Engineering Physics II (5) or any Natural Science with Lab intended for science and engineering majors.
- PHYS& 232 – Engineering Phys Lab II (1) or any Natural Science Lab intended for science and engineering majors.
- Any course (5 credits) from the following: DATA 101, ENGL& 235, MATH& 153, MATH 204, MATH& 254, or any lab science intended for science and engineering majors.

TOTAL CREDITS: 16

6th Quarter

- MUSC& 105 – Music Appreciation (5) or any Humanities courses (10 credits total), preferably in Learning Community format. *Discuss specific course requirements with an SVC Advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*
- DRMA& 101 – Intro to Theatre (5) or any Humanities courses (10 credits total), preferably in Learning Community format. *Discuss specific course requirements with an SVC Advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*
- Any course (5 credits) from the following: DATA 101, ENGL& 235, MATH& 153, MATH 204, MATH& 254, or any lab science intended for science and engineering majors.

TOTAL CREDITS: 15

a four-year school or to a music conservatory, students will be asked to take a music theory placement test as well as a piano proficiency examination. Your academic preparation for a music major should include music theory and piano study as well as ear training. Music majors are expected to practice their craft all four years of college and not just in junior and senior years as with some other majors. Because of this, careful academic planning is advised.

Our Associate in Music, DTA/MRP degree, based on the statewide DTA/MRP music degree, is especially designed for music majors.

Performing ensembles are also an important part of your musical development. SVC offers many opportunities to perform on campus as well as out in the community with some of our community ensembles. Contact Dr. Diane Johnson at diane.johnson@skagit.edu or 360.416.7655 for more details.

For non-music majors who love to sing or play an instrument, we offer 2 choirs: MUSC 137 and MUSC 138 (auditioned only), a Mariachi Ensemble MUSC 165, and a number of music classes in various areas that include Jazz: America's Artform; History of Rock and Roll; Music Appreciation, and World Music. These music courses may satisfy some of your required 15-20 credits of studies in the arts. Check with your counselor for more details.

Sample career options include:

- Musicians, Instrumental
- Singers
- Elementary School Teachers

Transfer

Students completing the Associate in Music DTA/MRP who have also met any specific institutional GPA, performance, and audition requirements will be regarded as having met the minimum preparation for consideration for admission to a baccalaureate Music program. Performance requirements refers not only to performance on instrument or voice, but also mastery of theoretical concepts and piano skills often acquired through private lessons. Although this degree will be granted to SVC students completing a cumulative 2.0 GPA, minimum grade-point average requirements are established by each institution. Meeting the minimum requirements does not guarantee admission. Music programs are competitive and may require a higher GPA overall, a higher GPA in a selected subset of courses or a specific minimum grade in one or more courses.

- Admission application deadlines vary; students must meet the deadline for the university or universities to which they plan to apply for transfer admission.
- Certain schools may have additional "university-specific" requirements for admission to the institution that are not prerequisites specifically identified in the DTA requirements.
- Certain colleges and university might have "university-specific" requirements for graduation (ex: institutional residency requirements). Students are advised to consult their destination college or university.

MUSIC, DTA/MRP

PLANNING GUIDE – TRANSFER DEGREE

Overview

SVC offers a number of music courses for the major and non-major. The student who wishes to major in music should meet with Dr. Diane Johnson and plan a two-year program that will meet their transfer needs. Be aware that when transferring to

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The SVC Music DTA/MRP transfers to Central Washington, Eastern Washington, UW Seattle, Western Washington, and WSU Pullman.

Learning Outcomes

- General Education Learning Outcomes
- Program Learning Outcomes

Degree Options

- Music, Direct Transfer Agreement, DTA/MRP

Degree Requirements

Students must complete a minimum of 102 quarter credits in transferable courses numbered 100 or above with a cumulative grade point average of at least 2.0 in order to graduate from SVC with an Associate in Music Direct Transfer Degree. At least 25 college-level credits must be earned at SVC. Credits must satisfy course requirements listed below.

Note: An ampersand (&) denotes Common Course Numbering

1. Communication Skills (10 cr.)

- ENGL& 101–English Composition I
- ENGL& 102–Composition II (5)
or CMST& 220–Public Speaking (5)

2. Quantitative Skills (5 cr.)

- MATH& 107–Math in Society (5) or higher

3. Integrative Learning Experiences

Two Integrative Learning Experiences (ILE) are required. One ILE must be a Learning Community. The second ILE may be another Learning Community or an Integrative Experience.

- A Learning Community (LC) is the integrated combination of two or more courses from different areas of inquiry (e.g. sociology and literature, or physics and math, or speech and economics, or composition and philosophy). Learning Communities are indicated in the course schedule.
- Integrative Experiences (IEs) are curricular or co-curricular experiences designed by faculty in which students demonstrate their ability to integrate information, concepts, analytical frameworks, and skills from two or more areas of inquiry in a purposeful project or experience. Integrative Experiences that are classes are indicated in the course schedule; co-curricular IEs are indicated in promotion and advising for the experience or project. Students may design a Learning into Action IE under the guidance of the supervising faculty member.

4. Equity Requirement

At least one Equity designated course is required for students pursuing an Associate in Science (AS-T) or an Associate Direct Transfer Agreement/Major Related Program (DTA/MRP) degree. Students should use the SVC online quarterly class schedule search or consult with their faculty advisor or counselor to identify courses that fulfill this requirement.

5. Distribution Requirements (45 cr.)

Curriculum requirements provide students with an understanding of and sensitivity to cultural differences other than their own is encouraged (required by WSU). This may include minority, non-Western ethnic, or other “area” studies. Select credits from three areas of study: Natural Science, Social Science and Humanities. Eligible courses for each distribution area are listed in the Associate in Arts–Direct Transfer Agreement Distribution Lists, pp 157-160. These courses may also satisfy Integrative Learning Experience requirements. A specific course may be credited toward no more than one distribution requirement.

A. Natural Sciences (15 cr.)

Select from at least two disciplines. No more than 10 credits allowed from any one discipline. At least 10 credits in physical, biological and/or earth sciences. Must include one lab course.

B. Social Sciences (15 cr.)

Select from at least two disciplines. No more than 10 credits allowed from any one discipline.

C. Humanities (15 cr.)

- MUSC& 141–Music Theory I (5)
- MUSC& 142–Music Theory II (5)
(freshman year, 10 credits)
- Five credits in other Humanities discipline.

6. Music Major Courses (42-44 cr.)

A. Music Theory/Ear (20 cr.)

Note: In-house diagnostic testing and/or auditions might affect the credits accepted in this area. Students are advised to check with the receiving institution.

- MUSC& 143–Music Theory III (5) (freshman year, 5 cr.)
- MUSC& 241–Music Theory IV (5)
- MUSC& 242–Music Theory V (5)
- MUSC& 243–Music Theory VI (5) (sophomore year, 15 cr.)

B. Music Lessons (6 cr.)

One credit per quarter in instrument or voice for 6 quarters. See your Music department advisor for assistance in selecting courses.

Note: In-house auditions might affect the credits accepted in this area. Students are advised to check with the receiving institution.

C. Ensemble (12 cr.)

Select courses from the following with help from your Music department advisor. Courses are repeatable for up to 12 credits.

Note: Students are advised to check with the receiving institution to assure their college ensemble fulfills the requirement of a ‘major ensemble’.

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- MUSC 137 – Choir (2)
- MUSC 138 – Small Vocal Ensemble (1-5)
- MUSC 146 – Symphony Orchestra (1)
- MUSC 147 – Skagit Community Band (1)
- MUSC 165 – Mariachi Ensemble (1-3)

D. Piano (3-6 cr.)

Note: The number of credits required in this area remains a local decision. Receiving institutions retain the ability to complete diagnostic testing for piano proficiency.

- MUSC 111 – Class Piano I (3)
- MUSC 113 – Intermediate Piano (3)
- MUSC 213 – Advance Piano Class (3)

Note: Piano placement test will determine course placement. Piano majors may be exempt from this requirement.

Program Map

Program Maps are an integral part of our Planning Guide. Each Program Map includes a suggested quarterly sequence of courses so you could earn your degree within two years of full-time study. Your Program Map is also designed to help you create an individualized, customized Educational Plan, which is required of all SVC students. To start creating your Educational Plan, please consult with an Academic Advisor.

104 Credits

FIRST YEAR

1st Quarter

- ENGL& 101 – English Composition I (5)
- MUSC 111 – Class Piano I (3)
- MUSC& 141 – Music Theory I (5)
- Ensemble (2)
Choose from the following:
MUSC 137 – Choir
MUSC 138 – Small Vocal Ensemble
MUSC 146 – Symphony Orchestra
MUSC 147 – Skagit Community Band
MUSC 165 – Mariachi Ensemble
- Lesson (1)

TOTAL CREDITS: 16

2nd Quarter

- CMST& 220 – Public Speaking (5)
- MATH& 107 – Math in Society (5) or one of the following:
MATH& 141 – Precalculus I
MATH& 146 – Introduction to Stats
- MUSC& 142 – Music Theory II (5)
- Ensemble (2)
Choose from the following:
MUSC 137 – Choir
MUSC 138 – Small Vocal Ensemble
MUSC 146 – Symphony Orchestra
MUSC 147 – Skagit Community Band
MUSC 165 – Mariachi Ensemble
- Lesson (1)

TOTAL CREDITS: 18

3rd Quarter

- MUSC& 143 – Music Theory III (5)
- Humanities course (5), preferably in Learning Community format. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Social Sciences course (5), preferably in Learning Community format. Suggested: PSYC& 100 General Psychology. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Ensemble (2)
Choose from the following:
MUSC 137 – Choir
MUSC 138 – Small Vocal Ensemble
MUSC 146 – Symphony Orchestra
MUSC 147 – Skagit Community Band
MUSC 165 – Mariachi Ensemble
- Lesson (1)

TOTAL CREDITS: 18

SECOND YEAR

4th Quarter

- MUSC& 241 – Music Theory IV (5)
- Natural Sciences course (5), preferably in Learning Community format. Suggested: NUTR 101 Nutrition. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Social Sciences course (5), preferably in Learning Community format. Suggested: EDUC& 202 Intro to Education and PSYC& 200 Lifespan Psychology. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Ensemble (2)
Choose from the following:
MUSC 137 – Choir
MUSC 138 – Small Vocal Ensemble
MUSC 146 – Symphony Orchestra
MUSC 147 – Skagit Community Band
MUSC 165 – Mariachi Ensemble
- Lesson (1)

TOTAL CREDITS: 18

5th Quarter

- MUSC& 242 – Music Theory V (5)
- Natural Sciences course (5), preferably in Learning Community format. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Social Sciences course (5), preferably in Learning Community format. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Ensemble (2)
Choose from the following:
MUSC 137 – Choir
MUSC 138 – Small Vocal Ensemble
MUSC 146 – Symphony Orchestra
MUSC 147 – Skagit Community Band
MUSC 165 – Mariachi Ensemble
- Lesson (1)

TOTAL CREDITS: 18

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6th Quarter

- MUSC 213—Advance Piano Class (3)
- MUSC& 243—Music Theory VI (5)
- Natural Sciences course (5), preferably in Learning Community format.
See Distribution Lists—AA-DTA requirements, [p. 151].
Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Ensemble (2)
Choose from the following:
MUSC 137—Choir
MUSC 138—Small Vocal Ensemble
MUSC 146—Symphony Orchestra
MUSC 147—Skagit Community Band
MUSC 165—Mariachi Ensemble
- Lesson (1)

TOTAL CREDITS: 16

AMERICAN SIGN LANGUAGE EMPHASIS, AA-DTA

PLANNING GUIDE—TRANSFER DEGREE

Overview

American Sign Language (ASL) courses, offered through the World Languages Department at Skagit Valley College (SVC), are offered in a continuous, two-year program with courses that range from beginning to high intermediate levels. The courses are aimed at enabling students to gain proficiency in comprehension, speaking, reading, writing and cultural competence. These courses are transferable and meet humanities distribution, and/or elective requirements, depending on the specific degree sought or intended major.

Sample career options include:

- Interpreters and Translators

Educational Plan

The information on this page, in conjunction with an SVC Academic Advisor, will help you to complete your degree in a timely manner. Please consult with an SVC Academic Advisor to create an individualized, customized Educational Plan. An Educational Plan is required of all SVC students. You will also need to consult with the institution you want to transfer to.

Transfer and Degree Requirements

If you are considering a major in this emphasis by transferring to a four-year college or university in Washington State, our Sample Schedule is designed to provide you with faculty recommended courses to complete your Associate of Arts Direct Transfer Agreement, AA-DTA degree.

Your personal Educational Plan will vary based on many factors including:

- The quarter you begin;
- How many classes/credits you can take in each quarter;
- Your Math and English placement;
- If you have credits you have already taken and plan to transfer them to SVC, visit the **Enrollment Services** webpage;

- The college you are interested in transferring to;
- Other factors.

To keep you on the best pathway, we encourage you to consult with the institution you want to transfer to as well as an SVC Academic Advisor, who will work with you to create a personalized Educational Plan and schedule that takes these factors into account.

For detailed information regarding the requirements that must be met to complete this degree, please review the **Associate of Arts Direct Transfer Agreement information and details, [p. 66].**

Sample Schedule Option

This Sample Schedule is provided as a guide for a traditional full-time student whose goal is to earn the Associate of Arts Direct Transfer Agreement, AA-DTA with an interest in American Sign Language. The courses are designed with the appropriate number of credits to meet degree requirements and are organized in a recommended sequence. Please consult an SVC advisor to schedule courses and develop your personalized Educational Plan.

94 credits

FIRST YEAR

1st Quarter

- ASL& 121—American Sign Language I (5)
- CSS 103—First Quarter Experience (2)
- CMST& 240—Intercultural Communication (5)
- ENGL& 101—English Composition I (5)

TOTAL CREDITS: 17

2nd Quarter

- ASL& 122—American Sign Language II (5)
- CMST& 220—Public Speaking (5)
- MATH& 107—Math in Society (5)
or MATH 146
- PE 100—Wellness for Life (1)
- PE Activity course (1)—Select from a variety of activity courses to total two credits. *PE 200—CPR/First Aid is not an activity credit.*

TOTAL CREDITS: 17

3rd Quarter

- ASL& 123—American Sign Language III (5)
- ENGL& 102—Composition II (5)
- Social Science course (5), preferably in Learning Community format.

See Distribution Lists—AA-DTA requirements, [p. 151].

Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- Humanities course (5), preferably in Learning Community format.
See Distribution Lists—AA-DTA requirements, [p. 151].
Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Natural Sciences course (5), preferably in Learning Community format. **See Distribution Lists—AA-DTA requirements, [p. 151].**
Discuss specific course requirements with an SVC advisor. Students

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are responsible for checking specific major requirements of baccalaureate institutions.

- Social Sciences course (5), preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

5th Quarter

- CMST& 210–Interpersonal Communication E (5)
- Humanities course (5), preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Natural Sciences course (5), preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

6th Quarter

- Humanities course (5), preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Natural Sciences course (5), preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Social Sciences course (5), preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

ART EMPHASIS, AA-DTA

PLANNING GUIDE – TRANSFER DEGREE

Overview

The Art Department is committed to the value of the arts to all academic studies and offers courses for both majors and non-majors. Students who intend to transfer should be aware that they may be required to present a portfolio of work. Your advisor can provide guidance for you to prepare the portfolio. Students who take courses in the department have the opportunity for their work to be featured in the SVC Annual Juried Student Exhibition. Students can also receive credit for working with arts programs and organizations in the community.

Sample career options include:

- Fine Artists, Including Painters, Sculptors and Illustrators
- Graphic Design

Transfer and Degree Requirements

If you are considering a major in this emphasis by transferring to a four-year college or university in Washington State, our Sample Schedule is designed to provide you with faculty recommended courses to complete your Associate of Arts Direct Transfer Agreement, AA-DTA degree.

Your personal Educational Plan will vary based on many factors including:

- The quarter you begin;
- How many classes/credits you can take in each quarter;
- Your Math and English placement;
- If you have credits you have already taken and plan to transfer them to SVC, visit the **Enrollment Services** webpage;
- The college you are interested in transferring to;
- Other factors.

To keep you on the best pathway, we encourage you to consult with the institution you want to transfer to as well as an SVC Academic Advisor, who will work with you to create a personalized Educational Plan and schedule that takes these factors into account.

For detailed information regarding the requirements that must be met to complete this degree, please review the **Associate of Arts Direct Transfer Agreement information and details, [p. 66].**

Sample Schedule Option

This Sample Schedule is provided as a guide for a traditional full-time student whose goal is to earn the Associate of Arts Direct Transfer Agreement, AA-DTA with an interest in Art. The courses are designed with the appropriate number of credits to meet degree requirements and are organized in a recommended sequence. Please consult an SVC advisor to schedule courses and develop your personalized Educational Plan.

94 credits

FIRST YEAR

1st Quarter

- ART 101–Drawing Fundamentals (5)
- CSS 103–First Quarter Experience (2)
- ENGL& 101–English Composition I (5)
- MATH& 107–Math in Society (5)

TOTAL CREDITS: 17

2nd Quarter

- Art Elective(5) **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- CMST& 220–Public Speaking (5)
- ENGL& 102–Composition II (5)
- PE 100–Wellness For Life (1)

TOTAL CREDITS: 16

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3rd Quarter

- ART& 100 – Art Appreciation (5)
- ART 112 – Three Dimensional Design (5)
- PE Activity (1)
- Natural Science course (5) with lab, preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 16

SECOND YEAR

4th Quarter

- ART 201 – Painting I (5)
- ART 160 – Portfolio (1)
- Social Sciences course (5), preferably in Learning Community format. **See Distribution Lists–AA-DTA, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Natural Science course (5) with lab, preferably in Learning Community format. **See Distribution Lists–AA-DTA, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- ART 111 – Two Dimensional Color and Design (5)

TOTAL CREDITS: 16

5th Quarter

- Social Sciences course (5), preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Natural Science course (5) with lab, preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Elective(5) Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

6th Quarter

- ART 161 – Exhibition (1)
- Art Elective (5)
- PE Activity (1)
- Social Sciences course (5), preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 12

COMMUNICATIONS EMPHASIS, AA-DTA

PLANNING GUIDE – TRANSFER DEGREE

Overview

Communication Studies supports students in developing effective academic, personal, and professional communication. Communication Studies courses may be used to meet communication skills, humanities distribution, and/or elective requirements, depending on the specific degree sought or intended major.

Sample career options include:

- Public Relations Specialists
- Reporters and Correspondents

Transfer and Degree Requirements

If you are considering a major in this emphasis by transferring to a four-year college or university in Washington State, our Sample Schedule is designed to provide you with faculty recommended courses to complete your Associate of Arts Direct Transfer Agreement, AA-DTA degree.

Your personal Educational Plan will vary based on many factors including:

- The quarter you begin;
- How many classes/credits you can take in each quarter;
- Your Math and English placement;
- If you have credits you have already taken and plan to transfer them to SVC, visit the **Enrollment Services** webpage;
- The college you are interested in transferring to;
- Other factors.

To keep you on the best pathway, we encourage you to consult with the institution you want to transfer to as well as an SVC Academic Advisor, who will work with you to create a personalized Educational Plan and schedule that takes these factors into account.

For detailed information regarding the requirements that must be met to complete this degree, please review the **Associate of Arts Direct Transfer Agreement information and details, [p. 66].**

Sample Schedule Option

This Sample Schedule is provided as a guide for a traditional full-time student whose goal is to earn the Associate of Arts Direct Transfer Agreement, AA-DTA with an interest in Communications. The courses are designed with the appropriate number of credits to meet degree requirements and are organized in a recommended sequence. Please consult an SVC advisor to schedule courses and develop your personalized Educational Plan.

90 credits

FIRST YEAR

1st Quarter

- ENGL& 101 – English Composition I (5)
- CSS 103 – First Quarter Experience (2)
- CMST& 102 – Introduction to Mass Media (5)
- PE 100 – Wellness For Life (1)

TOTAL CREDITS: 13

2nd Quarter

- CMST& 220 – Public Speaking (5)
- Humanities course. Recommended: ART& 100 – Art Appreciation (5) or MUSC& 105 – Music Appreciation (5)
- MATH& 107 – Math in Society (5) or MATH 146 – Introduction to Stats (5)

TOTAL CREDITS: 15

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3rd Quarter

- ENGL& 102 –Composition II (5)
- Natural Science (5) with lab, preferably in the Learning Community format. **See *Distribution Lists–AA-DTA requirements [p. 151]***. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Social Science (5) preferably in Learning Community format. **See *Distribution Lists–AA-DTA requirements [p. 151]***. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- CMST& 210 – Interpersonal Communication: E (5)
- PE Activity (1)
- Social Science (5) preferably in Learning Community format. Suggested: ECON 201, POLS& 101 or POLS 202. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Humanities (5) preferably in Learning Community format. Suggested: DRMA 101, ENGL 115 or PHIL 215. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 16

5th Quarter

- CMST 105 – Multicultural Communication (5)
- PE Activity (1)
- Natural Science (5) with a lab, preferably in the Learning Community format. Suggested: BIOL 111, EASC 102, or GEOL 101. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Elective (5) Suggested: ANTH 206 or BUS 240. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 16

6th Quarter

- CMST& 240 -Intercultural Communication: (5)
- Natural Science (5) with a lab, preferably in the Learning Community format. Suggested: EASC 111–Matter and Energy in Earth Science or ENVS 101&–Introduction to Env Science. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Social Science (5), preferably in Learning Community format. Suggested: ECON& 202–Macro Economics, ETHNC 100–American Minorities, or PSYC& 180–Human Sexuality. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

ECONOMICS EMPHASIS, AA-DTA

PLANNING GUIDE – TRANSFER DEGREE

Overview

The study of economics provides students with an understanding of the structure and functions of the American economy both independently and within the global economy. A knowledge of economics enhances the ability to think logically and enables students to apply economic concepts to the analysis of real world situations and opportunities. Economics courses satisfy degree requirements in the Cultures area of study and Macro and Microeconomics are required courses for business students planning to transfer to four-year business programs.

Sample career options include:

- Economists
- Securities and Commodities Traders
- Investment Fund Managers

Transfer and Degree Requirements

If you are considering a major in this emphasis by transferring to a four-year college or university in Washington State, our Sample Schedule is designed to provide you with faculty recommended courses to complete your Associate of Arts Direct Transfer Agreement, AA-DTA degree.

Your personal Educational Plan will vary based on many factors including:

- The quarter you begin;
- How many classes/credits you can take in each quarter;
- Your Math and English placement;
- If you have credits you have already taken and plan to transfer them to SVC, visit the **Enrollment Services** webpage;
- The college you are interested in transferring to;
- Other factors.

To keep you on the best pathway, we encourage you to consult with the institution you want to transfer to as well as an SVC Academic Advisor, who will work with you to create a personalized Educational Plan and schedule that takes these factors into account.

For detailed information regarding the requirements that must be met to complete this degree, please review the **Associate of Arts Direct Transfer Agreement information and details**, [p. 66].

Sample Schedule Option

This Sample Schedule is provided as a guide for a traditional full-time student whose goal is to earn the Associate of Arts Direct Transfer Agreement, AA-DTA with an interest in Economics. The courses are designed with the appropriate number of credits to meet degree requirements and are

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organized in a recommended sequence. Please consult an SVC advisor to schedule courses and develop your personalized Educational Plan.

91 credits

FIRST YEAR

1st Quarter

- CSS 103—First Quarter Experience (2)
- ENGL& 101—English Composition I (5)
- ECON 101—Introduction to Economics (5)
- PE 100—Wellness For Life (1)
- PE Activity (1)

TOTAL CREDITS: 14

2nd Quarter

- ECON& 201—Micro Economics (5)
- MATH& 107—Math in Society (5)
or MATH& 146—Introduction to Stats (5)
- NUTR& 101—Nutrition (5)

TOTAL CREDITS: 15

3rd Quarter

- BUS 295—Business Integrated Experience Seminar (2)
- ENGL& 102—Composition II (5)
- CMST& 220—Public Speaking (5)
- Humanities course (5), preferably in Learning Community format. Suggested: CMST& 102, ENGL& 254 or World Language 121. *Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 17

SECOND YEAR

4th Quarter

- POLS 201—Comparative Government (5)
- PSYC& 100—General Psychology (5)
- Humanities course (5), preferably in Learning Community format. **See Distribution Lists—AA-DTA requirements [p. 151].** *Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

5th Quarter

- EASC 110—Energy and Society (5)
- ECON& 202—Macro Economics (5)
- POLS& 202—American Government (5)

TOTAL CREDITS: 15

6th Quarter

- IS 200—States and Capitalism: the Origins of Western Wealth and Power (5)
- PHIL 215—Introduction to Ethics (5)
- Natural Sciences course (5), preferably in Learning Community format. Suggested: EASC 120, ENV& 101, GEOL& 100, NUTR& 101 or OCEA& 101. *Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

ENGLISH EMPHASIS, AA-DTA

PLANNING GUIDE – TRANSFER DEGREE

Overview

The English program includes pre-college level courses designed to help students develop skills for succeeding in college-level composition courses. All students are required to take ENGL& 101 English Composition I. The other composition courses offered by the department, ENGL& 102 Composition II and ENGL& 235 Technical Writing, are designed to prepare students for careers and transfer to 4-year schools; they are regularly taught both as stand-alone classes and as integrated Learning Communities with other disciplines. Courses in professional/technical communication and creative writing are regular offerings. Before enrolling in English classes at the pre-college or college level, students should be placed into the appropriate class based on advisement and the results of the SVC English Guided Self Placement Tool. Students in need of pre-college English should reach out to the Basic Education for Adults (BEdA) Department for more information. Both pre-college and college-level reading courses are offered to improve students' comprehension skills essential for any discipline. Some may be offered combined with other disciplines in Learning Communities.

Literature courses are offered as part of a comprehensive English program. Introductory and more advanced classes focus on the major genres, film, World literature, and American literature. Many literature courses are also offered through Integrated Learning Communities with other disciplines.

Sample career options include:

- Secondary School Teachers
- Reporters and Correspondents
- Public Relations Specialists

Transfer and Degree Requirements

If you are considering a major in this emphasis by transferring to a four-year college or university in Washington State, our Sample Schedule is designed to provide you with faculty recommended courses to complete your Associate of Arts Direct Transfer Agreement, AA-DTA degree.

Your personal Educational Plan will vary based on many factors including:

- The quarter you begin;
- How many classes/credits you can take in each quarter;
- Your Math and English placement;
- If you have credits you have already taken and plan to transfer them to SVC, visit the **Enrollment Services** webpage;
- The college you are interested in transferring to;
- Other factors.

To keep you on the best pathway, we encourage you to consult with the institution you want to transfer to as well as an SVC Academic Advisor, who will work with you to create a personalized Educational Plan and schedule that takes these factors into account.

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For detailed information regarding the requirements that must be met to complete this degree, please review the **Associate of Arts Direct Transfer Agreement information and details**, [p. 66].

Sample Schedule Option

This Sample Schedule is provided as a guide for a traditional full-time student whose goal is to earn the Associate of Arts Direct Transfer Agreement, AA-DTA with an interest in English. The courses are designed with the appropriate number of credits to meet degree requirements and are organized in a recommended sequence. Literature courses can be taken in any order following completion of ENGL& 101 English Composition I. Please consult an SVC Advisor to schedule courses and develop your personalized Educational Plan.

LEARNING COMMUNITIES

All SVC students are required to complete one Learning Community (LC) before they complete their AA degree. LCs consist of two courses linked in some way to allow integrated learning, and change as new LCs develop and others are revised or retired. Students should consult with their SVC Advisor to select LCs that work best for their emphases and schedules.

90 credits

FIRST YEAR

1st Quarter

- CSS 103 – First Quarter Experience (2)
- ENGL& 101 – English Composition I (5)
- PE 100 – Wellness For Life (1)
- PE Activity (1)
- Social Science (5) preferably in Learning Community format. Suggested: HIST& 148 or PSYC& 100. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 14

2nd Quarter

- CMST& 210 – Interpersonal Communication: E (5) or CMST& 220 – Public Speaking (5)
- ENGL& 111 – Introduction to Literature
- MATH& 107 – Math in Society (5) or MATH 146 – Introduction to Stats (5)
- PE Activity (1)

TOTAL CREDITS: 16

3rd Quarter

- ENGL& 102 – Composition II (5)
- ENGL& 112 – Introduction to Fiction (5) or ENGL& 113 – Introduction to Poetry (5) or ENGL 111 – Introduction to Literature (5)
- Natural Science course (5) with lab, preferably in Learning Community format. Suggested: BIOL& 100, BIOL 127, EASC 110, GEOL& 110, GEOL& 208. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- ENGL& 236 – Creative Writing I (5) or ENGL 250 – Introduction to American Literature (5) or ENGL 283 – British Literature 19th and 20th Centuries (5)
- Social Sciences course (5), preferably in Learning Community format. Suggested: SOC& 101:E, SOC 112, SOC& 201 or SOC 204: E. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Humanities course (5), preferably in Learning Community format. Suggested: ART& 100, DRMA 133 or World Language 121. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

5th Quarter

- ENGL 239 – Introduction to U.S. Latino Literature (5) or ENGL 254 – World Literature I (5)
- Natural Sciences course (5), with lab, preferably in Learning Community format. Suggested: BIOL 100, BIOL 127, EASC 110, GEOL 110 or GEOL 208. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Social Sciences course (5), preferably in Learning Community format. Suggested: HIST& 215, HIST 242, POLS 200, POLS 202 or World Language 122. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

6th Quarter

- ENGL& 113 – Introduction to Poetry (5) or ENGL& 236 – Creative Writing I (5)
- ENGL 115 – Introduction to Film (5) or ENGL 120 – Introduction to Children's Literature (5) or ENGL& 220 – Introduction to Shakespeare (5)
- Natural Sciences course (5), with lab, preferably in Learning Community format. Suggested: BIOL& 100, BIOL 127, EASC 110, GEOL& 110 or GEOL& 208. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

HISTORY EMPHASIS, AA-DTA

PLANNING GUIDE – TRANSFER DEGREE

Overview

History examines the complexity of and relationship between past events in order to understand the meaning of human experience over time. Far from being an exercise in remembering facts and dates, historical study is dynamic and forever new. In exploring the lives of diverse peoples in different times and places, historians interpret a wide range of evidence from various perspectives. Through such inquiries, history seeks to make sense of the present and the future as well as the past.

SVC offers year-long survey classes in World History, Western Civilization, and United States History. Students may take an entire sequence or a single quarter. Apart from high interest and relevance, students should consider studying history in order to be informed and responsible global citizens.

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Sample career options include:

- Historians
- Park Naturalists
- Archivists
- Secondary School Teachers

Transfer and Degree Requirements

If you are considering a major in this emphasis by transferring to a four-year college or university in Washington State, our Sample Schedule is designed to provide you with faculty recommended courses to complete your Associate of Arts Direct Transfer Agreement, AA-DTA degree.

Your personal Educational Plan will vary based on many factors including:

- The quarter you begin;
- How many classes/credits you can take in each quarter;
- Your Math and English placement;
- If you have credits you have already taken and plan to transfer them to SVC, visit the **Enrollment Services** webpage;
- The college you are interested in transferring to;
- Other factors.

To keep you on the best pathway, we encourage you to consult with the institution you want to transfer to as well as an SVC Academic Advisor, who will work with you to create a personalized Educational Plan and schedule that takes these factors into account.

For detailed information regarding the requirements that must be met to complete this degree, please review the **Associate of Arts Direct Transfer Agreement information and details**, [p. 66].

Sample Schedule Option

This Sample Schedule is provided as a guide for a traditional full-time student whose goal is to earn the Associate of Arts Direct Transfer Agreement, AA-DTA with an interest in History. The courses are designed with the appropriate number of credits to meet degree requirements and are organized in a recommended sequence. Please consult an SVC advisor to schedule courses and develop your personalized Educational Plan.

90 credits

FIRST YEAR

1st Quarter

- CSS 103—First Quarter Experience (2)
- ENGL& 101—English Composition I (5)
- PE 100—Wellness For Life (1)
- PE Activity (1)
- SOSC 100—Global Issues/Social Science (5)

TOTAL CREDITS: 14

2nd Quarter

- CMST& 102—Introduction to Mass Media (5)
or one of the following:
CMST 105—Multicultural Communication (5)
CMST& 220—Public Speaking (5)
- HIST& 116—Western Civilization I (5)
or HIST& 146—U.S. History I (5)
- MATH& 107—Math in Society (5)
or MATH& 146—Introduction to Stats (5)

TOTAL CREDITS: 15

3rd Quarter

- ENGL& 102—Composition II (5)
- HIST& 214—Pacific NW History (5)
- Natural Science course (5) with lab, preferably in Learning Community format. *Suggested: EASC 102, EASC 110, EASC 120 or ENV& 101 or GEOL 110. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- BIOL& 100—Survey of Biology (5)
- HIST& 118—Western Civilization III (5)
or HIST& 148—U.S. History III (5)
- Humanities course (5), preferably in Learning Community format. *Suggested: ART 100—Art Appreciation, ART 101—Drawing Fundamentals, ART 181—Photography I, DRMA 101—Intro to Theatre, MUSC 100—Music Fundamentals. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

5th Quarter

- HIST& 126—World Civilizations I (5)
or HIST 121—Religions of the World (5)
- HIST& 127—World Civilizations II (5)
or HIST 242—History of the Modern Middle East (5)
- PE Activity (1)
- Humanities course (5), preferably in Learning Community format. *Suggested: ENGL 112—Intro to Fiction or ENGL 113—Intro to Poetry. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 16

6th Quarter

- HIST& 128—World Civilizations III (5)
- Humanities course (5), preferably in Learning Community format. *Suggested: ART 100, ART 181, DRMA 101 or POLS 202. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*
- Natural Science course (5) with lab, preferably in Learning Community format. *Suggested: ASTR 100, EASC 102, EASC 110, PHYS 100. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

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KINESIOLOGY EMPHASIS, AA-DTA

PLANNING GUIDE – TRANSFER DEGREE

Overview

A degree in Exercise Science/Kinesiology can prepare someone to work as a personal fitness trainer, athletic trainer, exercise physiologist, recreational therapist, aquatic therapist, cardiac rehabilitation, physical education/health teacher, coach. Some graduates go on to apply to Physical Therapy programs (this typically requires additional science prerequisites).

Kinesiotherapists and Exercise Scientists often work under the supervision of a physician. Using exercise, they help patients who suffer from health problems such as chronic disease, spinal injuries, or even just the effects of aging. Programs in exercise science prepare people to teach others how to exercise.

Sample career options include:

- Exercise Physiologists
- Recreation and Fitness Studies Teachers, Postsecondary
- Athletic Trainer
- Elementary Physical Education Teacher

Transfer and Degree Requirements

If you are considering a major in this emphasis by transferring to a four-year college or university in Washington State, our Sample Schedule is designed to provide you with faculty recommended courses to complete your Associate of Arts Direct Transfer Agreement, AA-DTA degree.

Your personal Educational Plan will vary based on many factors including:

- The quarter you begin;
- How many classes/credits you can take in each quarter;
- Your Math and English placement;
- If you have credits you have already taken and plan to transfer them to SVC, visit the **Enrollment Services** webpage;
- The college you are interested in transferring to;
- Other factors.

To keep you on the best pathway, we encourage you to consult with the institution you want to transfer to as well as an SVC Academic Advisor, who will work with you to create a personalized Educational Plan and schedule that takes these factors into account.

For detailed information regarding the requirements that must be met to complete this degree, please review the **Associate of Arts Direct Transfer Agreement information and details**, [p. 66].

Sample Schedule Option

This Sample Schedule is provided as a guide for a traditional full-time student whose goal is to earn the Associate of Arts Direct Transfer Agreement, AA-DTA with an interest in Kinesiology Exercise. The courses are designed with the appropriate number of credits to meet degree requirements and are organized in a recommended sequence. Please consult an SVC advisor to schedule courses and develop your personalized Educational Plan.

91 credits

FIRST YEAR

1st Quarter

- CSS 103—First Quarter Experience (2)
- ENGL& 101—English Composition I (5)
- MATH& 146—Introduction to Stats (5)
- PE 100—Wellness For Life (1)
- PE Activity (1)

TOTAL CREDITS: 14

2nd Quarter

- CHEM& 121—Introduction to Chemistry (5)
- ENGL& 102—Composition II (5)
- PSYC& 100—General Psychology (5)

TOTAL CREDITS: 15

3rd Quarter

- BIOL& 160—General Biology w/Lab (5)
- CMST& 220—Public Speaking (5)
- PSYC& 200—Lifespan Psychology (5)

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- BIOL& 241—Human Anatomy and Physiology I (5)
- NUTR& 101—Nutrition (5)
- Humanities course (5), preferably in Learning Community format.
See Distribution Lists—AA-DTA requirements, [p. 151].
Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

5th Quarter

- BIOL& 242—Human Anatomy and Physiology II (5)
- PE 200—First Aid, Safety, and CPR (2)
- SOC& 101—Introduction to Sociology: E (5)
- Humanities course (5), preferably in Learning Community format.
See Distribution Lists—AA-DTA requirements, [p. 151].
Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 17

6th Quarter

- BIOL& 260—Microbiology (5)
- CHEM& 131—Introduction to Organic/Biochemistry (5)
- Humanities course (5), preferably in Learning Community format.
See Distribution Lists—AA-DTA requirements, [p. 151].
Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

MATHEMATICS EMPHASIS, AA-DTA

PLANNING GUIDE – TRANSFER DEGREE

Overview

The mathematics program offers courses that range from the development of basic skills through college-level topics. Most of the courses are offered in various delivery modes including traditional classroom setting, online eLearning, and hybrid combining both classroom and online experiences.

To satisfy the quantitative requirement for a transfer degree, students need to complete MATH& 107, MATH& 141, MATH& 146, or higher. Enrollment in MATH& 107 or MATH& 146 requires an appropriate placement score or completion of MATH 097 with a grade of C or better. A student who does not meet these requirements but who has completed MATH 096 or CCB 42 with a grade of C or better, or placed into MATH 097, may enroll in MATH& 107 or MATH& 146 if they co-enroll in the corresponding support course (MATH 7 or MATH 46, respectively). Enrollment in MATH& 141 requires an appropriate placement score or completion of MATH 099 with a grade of C or better.

Sample career options include:

- Secondary School Teachers
- Operations Research Analysts
- Mathematical Technicians

Transfer and Degree Requirements

If you are considering a major in this emphasis by transferring to a four-year college or university in Washington State, our Sample Schedule is designed to provide you with faculty recommended courses to complete your Associate of Arts Direct Transfer Agreement, AA-DTA degree.

Your personal Educational Plan will vary based on many factors including:

- The quarter you begin;
- How many classes/credits you can take in each quarter;
- Your Math and English placement;
- If you have credits you have already taken and plan to transfer them to SVC, visit the **Enrollment Services** webpage;
- The college you are interested in transferring to;
- Other factors.

To keep you on the best pathway, we encourage you to consult with the institution you want to transfer to as well as an SVC Academic Advisor, who will work with you to create a personalized Educational Plan and schedule that takes these factors into account.

For detailed information regarding the requirements that must be met to complete this degree, please review the **Associate of Arts Direct Transfer Agreement information and details**, [p. 66].

Sample Schedule Option

This Sample Schedule is provided as a guide for a traditional full-time student whose goal is to earn the Associate of Arts Direct Transfer Agreement, AA-DTA with an interest in Mathematics. The courses are designed with the appropriate number of credits to meet degree requirements and are organized in a recommended sequence. Please consult an SVC advisor to schedule courses and develop your personalized Educational Plan.

96-101 credits

FIRST YEAR

1st Quarter

- MATH& 141 – Precalculus I (5)
or MATH& 151 – Calculus I (5)
- CSS 103 – First Quarter Experience (2)
- ENGL& 101 – English Composition I (5)
- Humanities course (5), preferably in Learning Community format.
Suggested: ART& 100, DRMA& 101, ENGL& 112, ENGL 115, ENGL& 111, MUSC& 105, PHIL& 101, PHIL 215, or WORLD LANG 121 (ASL& 121, CHIN& 121, FRCH& 121, JAPN& 121, SPAN& 121). Discuss specific course requirements with an SVC advisor. Students are responsible for checking major requirements of baccalaureate institutions.

TOTAL CREDITS: 17

2nd Quarter

- MATH& 142 – Precalculus II (5)
or MATH& 152 – Calculus II (5)
- PE 100 – Wellness For Life (1)
- PE Activity (1)
- Humanities course (5), preferably in Learning Community format.
Suggested: ART& 100, DRMA& 101, ENGL& 112, ENGL 115, ENGL& 111, MUSC& 105, PHIL& 101, PHIL 215, WRLD LANG 122 (ASL& 122, CHIN& 122, FRCH& 122, JAPN& 122, SPAN& 122). Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Social Sciences course (5), preferably in Learning Community format. *Suggested: ANTH& 206, ECON 101, GEOG& 100, PSYC& 100, POLS& 101, SOSOC 100. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 17

3rd Quarter

- MATH& 151 – Calculus I (5)
or MATH& 153 – Calculus III (5)
- CHEM& 161 – General Chemistry w/Lab I (5)
- ENGL& 235 – Technical Writing (5)

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- MATH& 152 – Calculus II (5)
or MATH& 254 – Calculus IV (5)
- CMST& 210 – Interpersonal Communication: E (5)
or one of the following:
CMST& 220 – Public Speaking (5)
CMST& 230 – Small Group Communication (5)
- PHYS& 231 – Engineering Phys Lab I (1)
- PHYS& 241 – Engineering Physics I (5)

TOTAL CREDITS: 16

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5th Quarter

- MATH& 153 – Calculus III (5)
- MATH& 146 – Introduction to Stats (5)
- MATH 204 – Elementary Linear Algebra (5)
- PE Activity (1)
- Social Sciences course (5), preferably in Learning Community format. *Suggested: ANTH 206, ECON 101, GEOG 100, HIST&, PSYC 100, POLS 101, SOSC 100. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 16

6th Quarter

- MATH 238 – Ordinary Differential Equations (5)
- MATH& 254 – Calculus IV (5)
- Only for Precalculus emphasis pathway
- Humanities course (5), preferably in Learning Community format. *Suggested: ART 100, DRMA 101, ENGL 112, ENGL 115, ENGL 111, MUSC 105, PHIL 101, PHIL 215, or WRLD LANG 123 (ASL 123, CHIN 123, FRCH 123, JAPN 123, SPAN 123). Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*
- Social Sciences course (5), preferably in Learning Community format. *Suggested: ANTH 206, ECON 101, GEOG 100, HIST&, PSYC 100, POLS 101, or SOSC 100. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15-20

NUTRITION EMPHASIS, AA-DTA

PLANNING GUIDE – TRANSFER DEGREE

Overview

The Associate of Arts, Direct Transfer Agreement, AA-DTA with Nutrition Emphasis prepares students for a career in nutrition, by setting them on the path to earning a bachelor's degree in nutrition/dietetics or becoming a Registered Dietitian Nutritionist (RDN). Nutrition professionals can work in many different capacities, depending on level of education achieved, credentials, and specialization. These can include nutrition counselor, clinical dietitian, health educator, sports nutritionist, employee wellness instructor, food scientist, public health dietitian, or corporate dietitian.

While SVC only offers one nutrition course at this time, there is a recommended slate of additional related courses that will set the student up for successful transfer to a bachelor's program in nutrition, including accredited programs that lead to the RDN credential.

Sample career options include:

- Dietitians and Nutritionists:
see also Occupational Outlook Handbook

Transfer and Degree Requirements

If you are considering a major in this emphasis by transferring to a four-year college or university in Washington State, our Sample Schedule is designed to provide you with faculty recommended courses to complete your Associate of Arts Direct Transfer Agreement, AA-DTA degree.

Your personal Educational Plan will vary based on many factors including:

- The quarter you begin;
- How many classes/credits you can take in each quarter;
- Your Math and English placement;
- If you have credits you have already taken and plan to transfer them to SVC, visit the Enrollment Services webpage;
- The college you are interested in transferring to;
- Other factors.

To keep you on the best pathway, we encourage you to consult with the institution you want to transfer to as well as an SVC Academic Advisor, who will work with you to create a personalized Educational Plan and schedule that takes these factors into account.

For detailed information regarding the requirements that must be met to complete this degree, please review the **Associate of Arts Direct Transfer Agreement information and details**, [p. 66].

Sample Schedule Option

This Sample Schedule is provided as a guide for a traditional full-time student whose goal is to earn the Associate of Arts Direct Transfer Agreement, AA-DTA with an interest in Nutrition. The courses are designed with the appropriate number of credits to meet degree requirements and are organized in a recommended sequence. Please consult an SVC advisor to schedule courses and develop your personalized Educational Plan.

90 credits

FIRST YEAR

1st Quarter

- CSS 103 – First Quarter Experience (2)
- CHEM& 121 – Introduction to Chemistry (5)
- ENGL& 101 – English Composition I (5)
- PE 100 – Wellness For Life (1)

TOTAL CREDITS: 13

2nd Quarter

- BIOL& 160 – General Biology w/Lab (5)
- MATH& 146 – Introduction to Stats (5)
- NUTR& 101 – Nutrition (5)

TOTAL CREDITS: 15

3rd Quarter

- BIOL& 241 – Human Anatomy and Physiology I (5)
- CMST& 220 – Public Speaking (5)
- ENGL& 102 – Composition II (5)

TOTAL CREDITS: 15

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SECOND YEAR

4th Quarter

- BIOL& 242—Human Anatomy and Physiology II (5)
- Social Sciences course (5), preferably in Learning Community format. *Suggested: BUS 101, CS 101, EDUC 115, EDUC 202, ETHNC 201, PSYC 115, or SOSC 100. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*
- Humanities course (5), preferably in Learning Community format. *Suggested: ART 143, CMST 102, CMST 105, DRMA 236, HUM 101, PHIL 106, or SPAN 121. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*
- PE Activity (2)

TOTAL CREDITS: 17

5th Quarter

- BIOL& 260—Microbiology (5)
- Humanities course (10), preferably in Learning Community format. *Suggested: ART 143, CMST 102, CMST 105, DRMA 236, HUM 101, PHIL 106, or SPAN 121. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

6th Quarter

- CHEM& 131—Introduction to Organic/Biochemistry (5)
- ECON 101—Introduction to Economics (5)
- PSYC& 100—General Psychology (5)

TOTAL CREDITS: 15

PHILOSOPHY EMPHASIS, AA-DTA

PLANNING GUIDE—TRANSFER DEGREE

Overview

Philosophy is the “love of wisdom,” literally, but as a discipline of study it embraces a wide field of endeavors pursuing questions around human knowledge, behavior, and speculation about the subtler aspects of existence. Philosophy draws upon schools of thought and cultural practices from all around the world, for the past several millennia, for its broadest history and application, but embraces matters down to the present day and the concerns of modern people. The impact of philosophy on world culture, on religious movements, and on questions of daily functioning in society cannot be overstated. What does it mean to be human? What is the nature of knowledge, and how to we acquire it? What is the best form of political, economic, and governmental systems for optimum human well-being? Should there be limits on technological improvements and genetic engineering based on important shared cultural values, or should research and development in these areas proceed unfettered without regard for such objections? These questions, and many others, can be pursued in courses in the discipline of Philosophy.

Sample career options include:

- Paralegals and Legal Assistants
- Secondary School Teachers
- Philosophy and Religion Teachers, Postsecondary

Transfer and Degree Requirements

If you are considering a major in this emphasis by transferring to a four-year college or university in Washington State, our Sample Schedule is designed to provide you with faculty recommended courses to complete your Associate of Arts Direct Transfer Agreement, AA-DTA degree.

Your personal Educational Plan will vary based on many factors including:

- The quarter you begin;
- How many classes/credits you can take in each quarter;
- Your Math and English placement;
- If you have credits you have already taken and plan to transfer them to SVC, visit the **Enrollment Services** webpage;
- The college you are interested in transferring to;
- Other factors.

To keep you on the best pathway, we encourage you to consult with the institution you want to transfer to as well as an SVC Academic Advisor, who will work with you to create a personalized Educational Plan and schedule that takes these factors into account.

For detailed information regarding the requirements that must be met to complete this degree, please review the **Associate of Arts Direct Transfer Agreement information and details**, [p. 66].

Sample Schedule Option

This Sample Schedule is provided as a guide for a traditional full-time student whose goal is to earn the Associate of Arts Direct Transfer Agreement, AA-DTA with an interest in Philosophy. The courses are designed with the appropriate number of credits to meet degree requirements and are organized in a recommended sequence. Please consult an SVC advisor to schedule courses and develop a personalized educational plan.

90 credits

FIRST YEAR

1st Quarter

- CSS 103—First Quarter Experience (2)
- ENGL& 101—English Composition I (5)
- PHIL 115—Introduction to Learning and Knowing (5)
- PE 100—Wellness For Life (1)
- PE Activity (1)

TOTAL CREDITS: 14

2nd Quarter

- CMST& 210—Interpersonal Communication: E (5)
- MATH& 146—Introduction to Stats (5)
- NUTR& 101—Nutrition (5)

TOTAL CREDITS: 15

6 GENERAL DEGREE/PROGRAM INFORMATION

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3rd Quarter

- ENGL& 102 – Composition II (5)
- PHIL 215 – Introduction to Ethics (5)
- Natural Science course (5) with lab, preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- BIOL& 100 – Survey of Biology (5)
- PHIL& 101 – Introduction to Philosophy (5)
- Humanities course (5), preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- PE Activity (1)

TOTAL CREDITS: 16

5th Quarter

- CMST& 240 – Intercultural Communication (5)
- POLS& 101 – Introduction to Political Science (5)
- SOC 204 – Introduction to Stratification and Inequality in America: E (5)

TOTAL CREDITS: 15

6th Quarter

- ENGL 250 – Introduction to American Literature (5)
- Humanities course (5), preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Social Sciences course (5), preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

POLITICAL SCIENCE EMPHASIS, AA-DTA

PLANNING GUIDE – TRANSFER DEGREE

Overview

Political science seeks to study formal and informal power, governmental institutions, and political processes across the individual, societal, state, and inter-state levels. American government, state and local government, and comparative government are concerned with the structure and functioning of government at the level indicated. International relations are concerned with the relationships of nations with each other.

Sample career options include:

- Political Scientist
- Reporters and Correspondents
- Legislators
- Paralegals and Legal Assistants

Transfer and Degree Requirements

If you are considering a major in this emphasis by transferring to a four-year college or university in Washington State, our Sample Schedule is designed to provide you with faculty recommended courses to complete your Associate of Arts Direct Transfer Agreement, AA-DTA degree.

Your personal Educational Plan will vary based on many factors including:

- The quarter you begin;
- How many classes/credits you can take in each quarter;
- Your Math and English placement;
- If you have credits you have already taken and plan to transfer them to SVC, visit the **Enrollment Services** webpage;
- The college you are interested in transferring to;
- Other factors.

To keep you on the best pathway, we encourage you to consult with the institution you want to transfer to as well as an SVC Academic Advisor, who will work with you to create a personalized Educational Plan and schedule that takes these factors into account.

For detailed information regarding the requirements that must be met to complete this degree, please review the **Associate of Arts Direct Transfer Agreement information and details, [p. 66].**

Sample Schedule Option

This Sample Schedule is provided as a guide for a traditional full-time student whose goal is to earn the Associate of Arts Direct Transfer Agreement, AA-DTA with an interest in Political Science. The courses are designed with the appropriate number of credits to meet degree requirements and are organized in a recommended sequence. Please consult an SVC advisor to schedule courses and develop your personalized Educational Plan.

90 credits

FIRST YEAR

1st Quarter

- CSS 103 – First Quarter Experience (2)
- ENGL& 101 – English Composition I (5)
- PE 100 – Wellness For Life (1)
- PE Activity (1)
- SOSC 100 – Global Issues/Social Science (5)

TOTAL CREDITS: 14

2nd Quarter

- CMST& 210 – Interpersonal Communication: E (5)
- MATH& 107 – Math in Society (5)
or MATH& 146 – Introduction to Stats (5)
- NUTR& 101 – Nutrition (5)

TOTAL CREDITS: 15

6 GENERAL DEGREE/PROGRAM INFORMATION

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3rd Quarter

- ENGL& 102 – Composition II (5)
- PHIL 215 – Introduction to Ethics (5)
- POLS& 101 – Introduction to Political Science (5)

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- MUSC 127 – History of Rock and Roll (5)
- POLS& 202 – American Government (5)
- Humanities course (5), preferably in Learning Community format.
See Distribution Lists–AA-DTA requirements, [p. 151].
Discuss specific course requirements with an SVC advisor.
Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

5th Quarter

- PHIL& 101 – Introduction to Philosophy (5)
- POLS& 203 – International Relations (5)
- Natural Sciences course (5), with lab, preferably in Learning Community format. *Suggested: BIOL 100, CHEM 110 or OCEA 101. Discuss specific course requirements with an SVC advisor.*
Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

6th Quarter

- POLS 201 – Comparative Government (5)
- PE Activity (1)
- Natural Sciences course (5), with lab, preferably in Learning Community format. *Suggested: BIOL 100, CHEM 110 or OCEA 101. Discuss specific course requirements with an SVC advisor.*
Students are responsible for checking specific major requirements of baccalaureate institutions.
- Elective (5)
See Distribution Lists–AA-DTA requirements, [p. 151].
Discuss specific course requirements with an SVC advisor.
Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 16

PSYCHOLOGY EMPHASIS, AA-DTA

PLANNING GUIDE – TRANSFER DEGREE

Overview

Psychology is the systematic, scientific investigation of human behavior and mental processes. Psychology is strongly tied to many other disciplines, including allied health and medicine, biology, education, and criminal justice.

Sample career options include:

- Psychiatric Technicians
- Mental Health Counselors
- Social and Human Service Assistants

Transfer and Degree Requirements

If you are considering a major in this emphasis by transferring to a four-year college or university in Washington State, our Sample Schedule is designed to provide you with faculty recommended courses to complete your Associate of Arts Direct Transfer Agreement, AA-DTA degree.

Your personal Educational Plan will vary based on many factors including:

- The quarter you begin;
- How many classes/credits you can take in each quarter;
- Your Math and English placement;
- If you have credits you have already taken and plan to transfer them to SVC, visit the **Enrollment Services** webpage;
- The college you are interested in transferring to;
- Other factors.

To keep you on the best pathway, we encourage you to consult with the institution you want to transfer to as well as an SVC Academic Advisor, who will work with you to create a personalized Educational Plan and schedule that takes these factors into account.

For detailed information regarding the requirements that must be met to complete this degree, please review the **Associate of Arts Direct Transfer Agreement information and details, [p. 66].**

Sample Schedule Option

This Sample Schedule is provided as a guide for a traditional full-time student whose goal is to earn the Associate of Arts Direct Transfer Agreement, AA-DTA with an interest in Psychology. The courses are designed with the appropriate number of credits to meet degree requirements and are organized in a recommended sequence. Please consult an SVC advisor to schedule courses and develop your personalized Educational Plan.

90 credits

FIRST YEAR

1st Quarter

- CSS 103 – First Quarter Experience (2)
- ENGL& 101 – English Composition I (5)
- PE 100 – Wellness For Life (1)
- PE Activity (1)
- SOSC 100 – Global Issues/Social Science (5)

TOTAL CREDITS: 14

2nd Quarter

- MATH& 107 – Math in Society (5)
or MATH& 146 – Introduction to Stats (5)
- NUTR& 101 – Nutrition (5)
- PSYC& 100 – General Psychology (5)

TOTAL CREDITS: 15

6 GENERAL DEGREE/PROGRAM INFORMATION

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3rd Quarter

- CMST& 210 – Interpersonal Communication: E (5)
- ENGL& 102 – Composition II (5)
- PHIL 140 – Philosophy of Religion (5)
- PE Activity (1)

TOTAL CREDITS: 16

SECOND YEAR

4th Quarter

- CHEM& 121 – Introduction to Chemistry (5)
- PSYC& 180 – Human Sexuality (5)
- Humanities course (5), preferably in Learning Community format.
See Distribution Lists–AA-DTA requirements, [p. 151].
Discuss specific course requirements with an SVC advisor.
Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

5th Quarter

- BIOL& 160 – General Biology w/Lab (5)
- PSYC 205 – Social Psychology (5)
- PSYC& 220 – Abnormal Psychology (5)

TOTAL CREDITS: 15

6th Quarter

- PSYC& 200 – Lifespan Psychology (5)
- Humanities course (5), preferably in Learning Community format.
See Distribution Lists–AA-DTA requirements, [p. 151].
Discuss specific course requirements with an SVC advisor.
Students are responsible for checking specific major requirements of baccalaureate institutions.
- Social Sciences course (5), preferably in Learning Community format.
See Distribution Lists–AA-DTA requirements, [p. 151].
Discuss specific course requirements with an SVC advisor.
Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

SOCIOLOGY EMPHASIS, AA-DTA

PLANNING GUIDE – TRANSFER DEGREE

Overview

Sociology courses foster cultural pluralism, critical thinking, integrative learning, and individual and global awareness.

Sample career options include:

- Social and Community Services Managers
- Community Health Workers

Transfer and Degree Requirements

If you are considering a major in this emphasis by transferring to a four-year college or university in Washington State, our Sample Schedule is designed to provide you with faculty recommended courses to complete your Associate of Arts Direct Transfer Agreement, AA-DTA degree.

Your personal Educational Plan will vary based on many factors including:

- The quarter you begin;
- How many classes/credits you can take in each quarter;
- Your Math and English placement;
- If you have credits you have already taken and plan to transfer them to SVC, visit the **Enrollment Services** webpage;
- The college you are interested in transferring to;
- Other factors.

To keep you on the best pathway, we encourage you to consult with the institution you want to transfer to as well as an SVC Academic Advisor, who will work with you to create a personalized Educational Plan and schedule that takes these factors into account.

For detailed information regarding the requirements that must be met to complete this degree, please review the **Associate of Arts Direct Transfer Agreement information and details, [p. 66].**

Sample Schedule Option

This Sample Schedule is provided as a guide for a traditional full-time student whose goal is to earn the Associate of Arts Direct Transfer Agreement, AA-DTA with an interest in Sociology. The courses are designed with the appropriate number of credits to meet degree requirements and are organized in a recommended sequence. Please consult an SVC advisor to schedule courses and develop your personalized Educational Plan.

90 credits

FIRST YEAR

1st Quarter

- CSS 103 – First Quarter Experience (2)
- ENGL& 101 – English Composition I (5)
- PE 100 – Wellness For Life (1)
- PE Activity (1)
- SOSC 100 – Global Issues/Social Science (5)

TOTAL CREDITS: 14

2nd Quarter

- CMST& 210 – Interpersonal Communication: E (5)
- MATH& 107 – Math in Society (5)
or MATH& 146 – Introduction to Stats (5)
- NUTR& 101 – Nutrition (5)

TOTAL CREDITS: 15

3rd Quarter

- ENGL& 102 – Composition II (5)
- SOC& 101 – Introduction to Sociology: E (5)
- Natural Science course (5) with lab, preferably in Learning Community format. *Suggested: EASC 102, EASC 110, EASC 120, ENVIS 101 or GEOL 110. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

6 GENERAL DEGREE/PROGRAM INFORMATION

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SECOND YEAR

4th Quarter

- ANTH& 206—Cultural Anthropology (5)
 - BIOL& 100—Survey of Biology (5)
 - PE Activity (1)
 - Humanities course (5), preferably in Learning Community format.
- See Distribution Lists—AA-DTA requirements, [p. 151].**
Discuss specific course requirements with an SVC advisor.
Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 16

5th Quarter

- CMST& 240—Intercultural Communication (5)
- SOC& 201—Social Problems (5)
- SOC 206—Sociology of the Family (5)

TOTAL CREDITS: 15

6th Quarter

- ENGL 250—Introduction to American Literature (5)
- HIST& 219—Native American History (5)
- SOC 160—Substance Use and Abuse (5)

TOTAL CREDITS: 15

SPANISH EMPHASIS, AA-DTA

PLANNING GUIDE—TRANSFER DEGREE

Overview

Spanish language courses, offered through the World Languages Department, are offered in a continuous, two-year program with courses that range from beginning to high intermediate levels. The courses are aimed at enabling students to gain proficiency in comprehension, speaking, reading, writing and cultural competence. These courses are transferable and meet humanities distribution, and/or elective requirements, depending on the specific degree sought or intended major.

Sample career options include:

- Interpreters and Translators

Transfer and Degree Requirements

If you are considering a major in this emphasis by transferring to a four-year college or university in Washington State, our Sample Schedule is designed to provide you with faculty recommended courses to complete your Associate of Arts Direct Transfer Agreement, AA-DTA degree.

Your personal Educational Plan will vary based on many factors including:

- The quarter you begin;
- How many classes/credits you can take in each quarter;
- Your Math and English placement;
- If you have credits you have already taken and plan to transfer them to SVC, visit the **Enrollment Services** webpage;
- The college you are interested in transferring to;
- Other factors.

To keep you on the best pathway, we encourage you to consult with the institution you want to transfer to as well as an SVC Academic Advisor, who will work with you to create a personalized Educational Plan and schedule that takes these factors into account.

For detailed information regarding the requirements that must be met to complete this degree, please review the **Associate of Arts Direct Transfer Agreement information and details, [p. 66].**

Sample Schedule Option

This Sample Schedule is provided as a guide for a traditional full-time student whose goal is to earn the Associate of Arts Direct Transfer Agreement, AA-DTA with an interest in Spanish. The courses are designed with the appropriate number of credits to meet degree requirements and are organized in a recommended sequence. Please consult an SVC advisor to schedule courses and develop your personalized Educational Plan.

94 credits

FIRST YEAR

1st Quarter

- CSS 103—First Quarter Experience (2)
- CMST 240—Intercultural Communication (5)
- ENGL& 101—English Composition I (5)
- SPAN& 121—Spanish I (5)

TOTAL CREDITS: 17

2nd Quarter

- CMST& 220—Public Speaking (5)
- MATH& 107—Math in Society (5)
or MATH& 146—Introduction to Stats (5)
- PE 100—Wellness For Life (1)
- SPAN& 122—Spanish II (5)

TOTAL CREDITS: 16

3rd Quarter

- ENGL& 102—Composition II (5)
 - SPAN& 123—Spanish III (5)
 - Social Science (5) preferably in Learning Community format.
- See Distribution Lists—AA-DTA requirements, [p. 151].**
Discuss specific course requirements with an SVC advisor.
Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- SPAN& 221—Spanish IV (5)
- PE Activity (1)
- Natural Sciences course (5), with lab, preferably in Learning Community format. **See Distribution Lists—AA-DTA requirements, [p. 151].** *Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*
- Social Sciences course (5), preferably in Learning Community format. **See Distribution Lists—AA-DTA requirements, [p. 151].** *Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 16

6 GENERAL DEGREE/PROGRAM INFORMATION

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5th Quarter

- CMST& 210 – Interpersonal Communication: E (5)
- SPAN& 222 – Spanish V (5)
- Natural Sciences course (5), with lab, preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

6th Quarter

- SPAN& 223 – Spanish VI (5)
- Natural Science (5) with lab, preferably in the Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Social Science (5) preferably in the Learning Community format. Suggested: PSYC& 100 or SOSOC 100. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

TRANSFER FOCUSED ASSOCIATE DEGREES

ASSOCIATE OF ARTS DIRECT TRANSFER AGREEMENT, AA-DTA

Overview

The Associate of Arts Direct Transfer Agreement (AA-DTA) degree is designed to transfer to four-year colleges and universities in Washington State.

DTA DEGREES PROVIDE STUDENTS

- Priority consideration in admissions for most humanities and social science majors at public universities (ahead of students without a degree).
- Completion of lower division general education requirements.
- Credit for all courses completed within the DTA up to and in some cases beyond 90 credits.
- Opportunity to explore several fields of study through the category of up to 30 credits of elective courses.
- Opportunity to complete prerequisites for a future major.

Students who transfer within these agreements must still meet requirements in major, minor and professional programs.

This entire degree can be completed online.

Transfer Opportunities

The AA-DTA Degree is a 90-credit transfer degree that fulfills the first two years of general education requirements for most four-year degrees in the arts, humanities, and social sciences.

Washington Colleges and Universities accepting the AA-DTA degree from Skagit Valley College:

- Central Washington University
- City University of Seattle
- Eastern Washington University
- University of Washington
- Washington State University
- Western Washington University

Learning Outcomes

GENERAL EDUCATION LEARNING OUTCOMES

Think

Think analytically, logically, creatively, and reflectively.

- Recognize how the values and biases in different disciplines can affect the ways in which information and knowledge are created and analyzed.
- Analyze issues and develop questions within a discipline.
- Access, interpret, and evaluate relevant information to reach defensible conclusions.
- Develop unique and/or innovative solutions and gain insight utilizing reflective and creative thought processes.

Quantify

Apply mathematical skills quantitatively, logically, creatively, and critically.

- Use mathematical principles and methods to reason, gain insight, and solve problems.
- Interpret data presented in various formats.

Communicate

Produce and exchange ideas and information through written, spoken, and visual forms.

- Read, comprehend, and produce college level writing.
- Demonstrate effective interpersonal, group, and/or public communication skills.
- Develop appropriate communication strategies to inform, persuade, or entertain.
- Demonstrate informational, critical, and empathetic listening skills appropriate to a given context.
- Analyze, interpret, and/or create visually communicated content.

Integrate

Apply knowledge, skills, and methodologies from multiple disciplines.

- Recognize the interconnectedness of diverse disciplines and areas of study.
- Identify the strengths and limitations of different disciplinary frameworks and methodologies and their implementation.

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- Identify and evaluate the relationships among different perspectives within a field of study or among different fields of study.
- Demonstrate cognitive complexity by considering issues from multiple perspectives.

Engage

Interact with humans and the environment informed by an understanding of equity.

- Demonstrate an understanding of the historically and socially constructed nature of human differences, with a particular focus on power and privilege.
- Identify prevailing systems of power and one's individual and group status.
- Reflect critically on one's ethical role and identity as a citizen, consumer, student, and environmental actor.
- Apply cross-cultural communication strategies and skills appropriate to a given context.

PROGRAM LEARNING OUTCOMES

Graduates of the AA-DTA program will be able to:

Natural Sciences Outcomes

- Collect and analyze data and interpret the results from scientific investigations.
- Demonstrate an understanding of the fundamental concepts in at least one scientific discipline.
- Demonstrate scientific literacy.

Social Sciences Outcomes

- Apply concepts from the social sciences to analyze individual or social phenomena, processes, events, conflicts, or issues.
- Explain the variables that influence the structure of cultures and societies.
- Identify social variables, structures, and experiences that shape individual perspectives.

Humanities Outcomes

- Apply skills, terms, concepts, research and/or analysis methods to express ideas within the humanities.
- Analyze and/or interpret creative and communicative expressions of the humanities.

Physical Education Outcomes

- Develop mental and physical health through movement.
- Gain knowledge of body systems and demonstrate skills necessary to pass national or state certification tests for emergency response.
- Obtain and apply science-based knowledge to support personal fitness, health, and well-being.

Emphases

Emphases are designed by faculty for students with an interest in majoring in these areas at a four-year institution. While the specific emphasis will not be posted on the student's transcript (the Associate in Arts–Direct Transfer Agreement degree will be listed), each emphasis has specifically chosen elective courses that are geared toward the student's intended major:

- | | |
|--------------------------|---------------------|
| • American Sign Language | • Mathematics |
| • Art | • Nutrition |
| • Communications | • Philosophy |
| • Computer Science | • Political Science |
| • Economics | • Psychology |
| • English | • Sociology |
| • History | • Spanish |
| • Kinesiology | |

Degree Requirements

Students must complete a minimum of 90 quarter credits in transferable courses numbered 100 or above with a cumulative grade point average of at least 2.0 in order to graduate from SVC with an Associate of Arts degree. Credits must satisfy requirements listed below. A minimum of 60 quarter hours of general education courses are required. At least 25 college-level credits must be earned at SVC with a minimum GPA of 2.0. Students should check specific admission and program requirements and application deadlines to assist in successful transfer to a four-year institution. College counselors and academic faculty can advise students of special lower division requirements, including which courses fulfill **Distribution Lists–AA-DTA requirements, [p. 156]**.

Note: An ampersand (&) denotes Common Course Numbering

1. First Quarter Experience (2 cr.)

- CSS 103–First Quarter Experience (2)

2. Communication Skills (15 cr.)

- ENGL& 101–English Composition I (5)
plus 5 credits (one) of the following:
- CMST& 210–Interpersonal Communication: E (5)
- CMST& 220–Public Speaking (5)
- CMST& 230–Small Group Communication (5)
plus 5 credits (one) of the following:
- ENGL& 102–Composition II (5)
- ENGL 103–Advanced Composition (5)
- ENGL& 235–Technical Writing (5)

3. Quantitative Skills (5 cr.)

Select one course from the following:

- MATH& 107–Math in Society (5)
- MATH& 141–Precalculus I (5)

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- MATH& 142 – Precalculus II (5)
- MATH& 146 – Introduction to Stats (5)
- MATH& 148 – Business Calculus (5)
- MATH& 151 – Calculus I (5)
- MATH& 152 – Calculus II (5)
- MATH& 153 – Calculus III (5)

4. Physical Education (3 cr.)

- PE 100 – Wellness For Life (1)
- PE 103 – Wellness Movement (2)

Notes:

- *A maximum of three PE Activities credits can be used for the DTA: two credits for PE requirement and one additional credit toward restricted or “gray area” electives.*
- *PE 100 may also be taken with other activity courses, excluding PE 200, PE 204 and PE 205.*

5. Integrative Learning Experiences

Two Integrative Learning Experiences (ILE) are required.

One ILE must be a Learning Community. The second ILE may be another Learning Community or an Integrative Experience.

- A Learning Community (LC) is the integrated combination of two or more courses from different areas (for example, sociology and literature, or physics and math, or speech and economics, or composition and philosophy). Learning Communities are indicated in the course schedule.
- Integrative Experiences (IEs) are curricular or co-curricular experiences designed by faculty in which students demonstrate their ability to integrate information, concepts, analytical frameworks, and skills from two or more areas in a purposeful project or experience. Integrative Experiences that are classes are indicated in the course schedule; co-curricular IEs are indicated in promotion and advising for the experience or project. Students may design a Learning into Action IE under the guidance of the supervising faculty member.

6. Equity Requirement

At least one Equity designated course is required for students pursuing an Associate in Science (AS-T), or an Associate Direct Transfer Agreement/Major Related Program (DTA/MRP) degree. Students should use the SVC online quarterly class schedule search or consult with their faculty advisor or counselor to identify courses that fulfill this requirement.

7. Distribution Requirements (45 cr.)

Select credits from three areas of study: *Natural Sciences, Social Sciences, and Humanities*. A specific course may be credited toward no more than one distribution requirement.

See Distribution Lists–AA-DTA requirements, [p. 156] for a selection of eligible courses.

8. Electives (22-25 cr.)

In order to accumulate 90 college-level (100 or higher) credits for the degree, students will need additional elective credits. Students may select electives from the ***Distribution Lists–AA-DTA requirements, [p. 156]***. (Natural Sciences, Social Sciences, Humanities), other academic courses, or a maximum of 15 credits from ***Gray Area courses, [p. 154]***. A maximum of nine Family Life credits may be counted as Gray Area electives. HMATH 100 and WMATH 100 cannot be included in elective credits for the degree.

Transfer Program Planning Guides

The information in the following Planning Guides, in conjunction with an SVC Academic Advisor, will help you to complete your degree in a timely manner. Please consult with an SVC Academic Advisor to create an individualized, customized Educational Plan. An Educational Plan is required of all SVC students. You will also need to consult with the institution you want to transfer to.

GENERAL PROGRAM MAP

90 credits

The Program Map is provided as a guide for a traditional full-time student whose goal is to earn the Associate of Arts Direct Transfer Agreement, AA-DTA. The courses are designed with the appropriate number of credits to meet degree requirements and are organized in a recommended sequence. Please consult an SVC advisor to schedule courses and develop a personalized educational plan.

FIRST YEAR

1st Quarter

- ENGL& 101 – English Composition I (5)
- CSS 103 – First Quarter Experience (2)
- MATH& 107 – Math in Society (5)
or MATH& 141 – Precalculus I (5)
or MATH& 146 – Introduction to Stats (5)
- PE 100 – Wellness for Life (1)
- PE Activity Choice (2)

TOTAL CREDITS: 15

2nd Quarter

- ENGL& 102 – Composition II (5)
- Social Science course (5), preferably in Learning Community format. ***See Distribution Lists–AA-DTA requirements, [p. 151].*** *Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*
- Humanities course (5), preferably in Learning Community format. ***See Distribution Lists–AA-DTA requirements, [p. 151].*** *Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

6 GENERAL DEGREE/PROGRAM INFORMATION

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3rd Quarter

- CMST 210 – Interpersonal Communication: E (5)
or CMST 220 – Public Speaking (5)
or CMST 230 – Small Group Communication (5)
- Natural Sciences course (5), preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Humanities course (5), preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- Social Sciences course (5), preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Humanities course (5), preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Natural Sciences course (5), preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

5th Quarter

- Natural Sciences course (5), preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Social Sciences course (5), preferably in Learning Community format. **See Distribution Lists–AA-DTA requirements, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Elective (5) Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

6th Quarter

- Electives (15) Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

ASSOCIATE IN SCIENCE – TRANSFER TRACK #1, AS-T

PLANNING GUIDE – TRANSFER DEGREE

Overview

This degree is intended to prepare students to transfer to Washington's public four-year colleges and universities and many private colleges with junior standing and the majority of the prerequisites for selected science, mathematics, and

engineering majors completed. This degree partially fulfills the general education requirements as explained in the **Associate of Arts, Direct Transfer Agreement information and details, [p. 66]**. This degree does not guarantee admission into the major.

Students completing this Associate of Science Transfer degree will receive the same priority consideration for admission to the baccalaureate institution as they would for completing the direct transfer associate's degree and will be given junior status by the receiving institution. Each concentration within this degree has additional requirements. Early advising is important to ensure degree completion, for example:

- Additional general educational requirements, cultural diversity requirements, and foreign language requirements, as required by the transfer institution, must be met prior to the completion of a baccalaureate degree.
- Some baccalaureate institutions require physics with calculus to meet the physics sequence of 15 credits.
- Biology majors should select organic chemistry or physics for the additional 10-15 credits.
- Engineering students may have additional lower-division requirements to meet prior to department admission.
- Precalculus cannot be used to satisfy the mathematics requirement.
- Science sequences should not be broken up between institutions (ex: the typical three-quarter physics sequence should be taken entirely at Skagit Valley College).

Students are responsible for checking specific major requirements of baccalaureate institutions in the year prior to transferring. Selecting and planning courses with a science or engineering advisor is strongly recommended to ensure a seamless transition to a science major program at a specific university or four-year college.

Transfer

The Associate of Science Transfer (AS-T) Degree Track #1 is a 90 credit degree that prepares students for upper division study in areas of biological sciences, environmental/resource science, chemistry, geology, and earth science. Completing the AS-T degree does not guarantee student admission to the major.

Washington Colleges and Universities accepting the AS-T Degree from Skagit Valley College:

- Central Washington University
- Eastern Washington University
- University of Washington
- Washington State University
- Western Washington University

Learning Outcomes

- General Education Learning Outcomes
- Program Learning Outcomes

6 GENERAL DEGREE/PROGRAM INFORMATION

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Degree Options

SVC offers a variety of programs pathways to match student interests:

- Biology Emphasis, Transfer Track #1, AS-T
- Chemistry Emphasis, Transfer Track #1, AS-T
- Earth Science Emphasis, Transfer Track #1, AS-T
- Environmental Science Emphasis, Transfer Track #1, AS-T
- Geology Emphasis, Transfer Track #1, AS-T

Degree Requirements

Students must complete a minimum of 90 credits in transferable courses numbered 100 or above which include General Education courses plus a specific science or engineering major option with a minimum cumulative GPA of 2.0. At least 25 college-level credits must be earned at SVC with a minimum GPA of 2.0. Additional General Education Requirements (GERs) must be completed at the four-year school where the student transfers.

REQUIREMENTS FOR SPECIFIC CONCENTRATION (45 – 50 CR.)

Each concentration within this degree has additional requirements. Please see your advisor for assistance with course selections.

ASSOCIATE IN SCIENCE TRANSFER (AS-T) TRACK 1 CONCENTRATIONS

- Biology
- Chemistry
- Earth Science
- Environmental Science
- Geology

MAJOR PROGRAM REQUIREMENTS

- Chemistry (for science majors) sequence of 15 credits.
- Third quarter calculus or approved statistics course of 5 credits.
- Biology (for science majors) or physics (calculus-based or non-calculus-based) sequence of 15 credits.
- Additional requirements: 10-15 credits in physics, geology, organic chemistry, biology, or mathematics, consisting of courses normally taken for science majors (not for general education), preferably in a 3 quarter sequence.

Note: An ampersand (&) denotes Common Course Numbering

1. First Quarter Experience (2 cr.)

- CSS 103–First Quarter Experience (2)

2. Communications Skills (5 cr.)

Requires a minimum of 5 credits in college-level composition.

- ENGL& 101–English Composition I (5)

Note: ENGL& 101 Learning Community combined with a science or other required course is recommended.

3. Quantitative Skills (10 cr.)

Requires completion of 10 credits in introductory calculus or above.

- MATH& 151–Calculus I (5)
- MATH& 152–Calculus II (5)

4. Integrative Learning Experiences

Two Integrative Learning Experiences (ILE) are required. One ILE must be a Learning Community. The second ILE may be another Learning Community or an Integrative Experience.

- A Learning Community (LC) is the integrated combination of two or more courses from different areas of inquiry (e.g. sociology and literature, physics and math, etc.) Learning Communities are indicated in the course schedule.
- Integrative Experiences (IEs) are typically seminar courses in which students use an interdisciplinary approach for a specific topic or current issue (e.g. Ethics in Science). Integrative Experience seminars are indicated in the course schedule.

Note: Integrative Learning Experiences specifically designed for this degree may be offered; consult your advisor for information.

5. Equity Requirement

At least one Equity designated course is required for students pursuing an Associate in Science (AS-T) or an Associate Direct Transfer Agreement/Major Related Program (DTA/MRP) degree. Students should use the SVC online quarterly class schedule search or consult with their faculty advisor or counselor to identify courses that fulfill this requirement.

6. Distribution Requirements (15 cr.)

Select credits from two distribution areas: Social Science and Humanities. Eligible courses for each distribution area are listed in the AA-DTA distribution list. These courses may also satisfy the Integrative Learning Experiences or Diversity requirement. WWU Huxley College requires one Political Science.

- 5 credits in Social Sciences
- 5 credits in Humanities
- 5 credits in either Social Sciences or Humanities

7. Electives (10-15 cr.)

Sufficient additional college-level credits so that total credits earned are at least 90 quarter credits. These remaining credits may include prerequisites for major courses (ex: Precalculus), additional major coursework, or specific general education or other university requirements, as approved by the advisor. See your SVC advisor for specific courses recommended for your major; check with your 4-year university for world-language requirements. A maximum of five non-transferable Gray Area Electives may be applied toward the 90-credit minimum for the degree.

BIOLOGY EMPHASIS, TRANSFER TRACK #1, AS-T

PLANNING GUIDE—TRANSFER DEGREE

Overview

Biology courses at Skagit Valley College are designed to prepare students for careers in health fields or future work in research or industry. Classes are offered in a variety of science areas, from marine biology and environmental sciences, to anatomy and physiology and microbiology. Biology majors should take Majors Ecology and Evolution (BIOL 221), Majors Cellular and Molecular (BIOL 222), and Majors Physiology (BIOL 223) as a full-year sequence. Biology majors should meet with a faculty advisor quarterly. Pre-nursing students should take the sequence of General Biology (BIOL 160), Anatomy and Physiology I (BIOL 241), Anatomy and Physiology II (BIOL 242), and Microbiology (BIOL 260). CHEM 121 is a prerequisite for BIOL 160. Pre-nursing students should meet with a faculty advisor quarterly.

Sample career options include:

- Molecular and Cellular Biologists
- Biological Science Teachers, Postsecondary
- Biological Technicians
- Environmental Restoration Planners

Transfer and Degree Requirements

If you are considering a major in Chemistry and transferring to a four-year college or university in Washington State, an Academic Advisor can provide you with recommended courses to complete your Associate in Science - Transfer Track #1, AS-T degree. Of course, educational plans may vary, based on which quarter you begin, how many credits are taken, placement into Math and English, and your preferred transfer institution. To keep you on the best pathway, we encourage you to consult with an Academic Advisor for scheduling options.

Program Map

Program Maps are an integral part of your pathway at SVC. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

94 credits

FIRST YEAR

1st Quarter

- CSS 103—First Quarter Experience (2)
- CHEM& 161—General Chemistry w/Lab I (5)
- ENGL& 101—English Composition I (5)
- MATH& 141—Precalculus I (5)

TOTAL CREDITS: 17

2nd Quarter

- CHEM& 162—General Chemistry w/Lab II (5)
- MATH& 142—Precalculus II (5)
- Humanities Choice (5), preferably in Learning Community format. *Suggested: ART 100, CMST 220, DRMA 101, ENGL 112, ENGL 115, ENGL 111, MUSC 105, PHIL 101, PHIL 215, World Language. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.* **and/or** Suggested: ANTH 206, ECON 101, ECON 201, GEOG 100, PSYC 100, POLS 101, SOSC 100. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

3rd Quarter

- CHEM& 163—General Chemistry w/Lab III (5)
- MATH& 151—Calculus I (5)
- Social Science course (5), preferably in Learning Community format. *Suggested: ANTH 206, ECON 101, ECON 201, GEOG 100, PSYC 100, POLS 101, SOSC 100. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.* **and/or** Humanities Choice (5), preferably in Learning Community format. *Suggested: ART 100, CMST 220, DRMA 101, ENGL 112, ENGL 115, ENGL 111, MUSC 105, PHIL 101, PHIL 215, WRLD LANG. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- BIOL& 221—Majors Ecology/Evolution (5)
- CHEM& 241—Organic Chemistry I (4)
- MATH& 152—Calculus II (5)

TOTAL CREDITS: 14

5th Quarter

- BIOL& 222—Majors Cell/Molecular Biology (5)
- BIOL 295—Biology Integrative Experience Seminar (2)
- CHEM& 242—Organic Chemistry II (4)
- CHEM& 251—Organic Chemistry Lab I (2)
- MATH& 153—Calculus III (5)
or MATH& 146—Introduction to Stats (5)

TOTAL CREDITS: 18

6th Quarter

- BIOL& 223—Majors Organismal Physiology (5)
 - CHEM& 243—Organic Chemistry III (3)
 - CHEM& 252—Organic Chemistry Lab II (2)
 - Elective (5)
- See Distribution Lists—AA-DTA requirements, [p. 151].**
Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

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CHEMISTRY EMPHASIS, TRANSFER TRACK #1, AS-T

PLANNING GUIDE—TRANSFER DEGREE

Overview

The Chemistry program at Skagit Valley College is designed to serve the diverse needs of the community by inspiring students with an interest in discovery and a desire for lifelong learning, as well as by promoting critical thinking skills. The Chemistry program provides solid foundations in general chemistry (CHEM 121, CHEM 161, CHEM 162, and CHEM 163) and organic chemistry (CHEM 131, CHEM 241, CHEM 242, and CHEM 243) for students majoring in science, engineering, nursing, and environmental science. CHEM 121 and CHEM 131 form a series designed for health and environmental sciences students. The CHEM& 160 series is designed for science and engineering majors. The CHEM& 200 series is designed for science majors. All include lab work. Non-science majors with an interest in chemistry should take CHEM 105 or CHEM 110 which are excellent classes for those with no chemistry experience to take in preparation for other chemistry courses. CHEM 105 is a non-lab course and CHEM 110 includes a lab.

Sample career options include:

- Chemists
- Chemical Technicians
- Chemical Plant and System Operators
- Quality Control Analysts

Transfer and Degree Requirements

If you are considering a major in Chemistry and transferring to a four-year college or university in Washington State, our Transfer Program Planning Guide is designed to provide you with recommended courses to complete your Associate in Science—Transfer Track #1, AS-T degree. Of course, educational plans may vary, based on which quarter you begin, how many credits are taken, placement into Math and English, and your preferred transfer institution. To keep you on the best pathway, we encourage you to consult with an Academic Advisor for scheduling options.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a suggested quarterly sequence of courses so you could earn your degree within two years of full-time study. Your Program Map is also designed to help you create an individualized, customized Educational Plan, which is required of all SVC students. To start creating your Educational Plan, please consult with an Academic Advisor.

95 credits

FIRST YEAR

1st Quarter

- CSS 103—First Quarter Experience (2)
- CHEM& 161—General Chemistry w/Lab I (5)
- ENGL& 101—English Composition I (5)
- MATH& 141—Precalculus I (5)

TOTAL CREDITS: 17

2nd Quarter

- CHEM& 162—General Chemistry w/Lab II (5)
- MATH& 142—Precalculus II (5)
- Humanities Choice (5), preferably in Learning Community format. *Suggested: ART 100, CMST 220, DRMA 101, ENGL 112, ENGL 115, ENGL 111, MUSC 105, PHIL 101, PHIL 215, WRDL LANG. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

3rd Quarter

- CHEM& 163—General Chemistry w/Lab III (5)
- MATH& 151—Calculus I (5)
- Social Sciences course (5), preferably in a Learning Community format. *Suggested: ANTH 206, ECON 101, ECON 201, GEOG 100, PSYC 100, POLS 101, SOSC 100. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- CHEM& 241—Organic Chemistry I (4)
- MATH& 152—Calculus II (5)
- PHYS& 231—Engineering Phys Lab I (1)
- PHYS& 241—Engineering Physics I (5)

TOTAL CREDITS: 15

5th Quarter

- CHEM& 242—Organic Chemistry II (4)
- CHEM& 251—Organic Chemistry Lab I (2)
- MATH& 153—Calculus III (5)
- PHYS& 232—Engineering Phys Lab II (1)
- PHYS& 242—Engineering Physics II (5)

TOTAL CREDITS: 17

6th Quarter

- CHEM& 243—Organic Chemistry III (3)
- CHEM& 252—Organic Chemistry Lab II (2)
- PHYS& 233—Engineering Phys Lab III (1)
- PHYS& 243—Engineering Physics III (5)
- Social Sciences course (5), preferably in Learning Community format. *Suggested: ANTH 206, ECON 101, GEOG 100, PSYC 100, POLS 101, SOSC 100. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 16

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EARTH SCIENCE EMPHASIS, TRANSFER TRACK #1, AS-T

PLANNING GUIDE—TRANSFER DEGREE

Overview

The Earth Sciences program at Skagit Valley College is designed to serve the diverse needs of the community by inspiring students with an interest in discovery and a desire for lifelong learning. Earth Science and Environmental Science majors, as well as interested non-majors, can choose from introductory level classes in Earth System Science, including: Meteorology (EASC 102), Physical Geology (GEOL 101), Oceanography (OCEA 101) and Astronomy (ASTR 100 or ASTR 101). Additional classes include Environmental Geology (GEOL 110) and Geology of the Pacific Northwest (GEOL 208). Prior college-level course work in Earth Sciences is recommended when taking these latter two courses. Students with an interest in the natural history of the Pacific Northwest should also consider taking the spring field experience courses in Western Washington (BIOL 270) or Eastern Washington (BIOL 271).

Sample career options include:

- Environmental Science and Protection Technicians, Including Health
- Environmental Science, Teachers, Postsecondary
- Soil and Water Conservationists
- Biochemists and Biophysicists

Transfer and Degree Requirements

If you are considering a major in Earth Sciences and transferring to a four-year college or university in Washington State, our Transfer Program Planning Guide is designed to provide you with recommended courses to complete your Associate in Science—Transfer Track #1, AS-T degree. Of course, educational plans may vary, based on which quarter you begin, how many credits are taken, placement into Math and English, and your preferred transfer institution. To keep you on the best pathway, we encourage you to consult with an Academic Advisor for scheduling options.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a suggested quarterly sequence of courses so you could earn your degree within two years of full-time study. Your Program Map is also designed to help you create an individualized, customized Educational Plan, which is required of all SVC students. To start creating your Educational Plan, please consult with an Academic Advisor.

96 credits

FIRST YEAR

1st Quarter

- CSS 103—First Quarter Experience (2)
- CHEM& 161—General Chemistry w/Lab I (5)
- ENGL& 101—English Composition I (5)
- MATH& 141—Precalculus I (5)

TOTAL CREDITS: 17

2nd Quarter

- CHEM& 162—General Chemistry w/Lab II (5)
- MATH& 142—Precalculus II (5)
- Humanities course (5), preferably in Learning Community format. *Suggested: ART 100, DRMA 101, ENGL 112, ENGL 115, ENGL 111, MUSC 105, PHIL 101, or PHIL 215. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

3rd Quarter

- CHEM& 163—General Chemistry w/Lab III (5)
- MATH& 151—Calculus I (5)
- Social Sciences course (5), preferably in a Learning Community format. *Suggested: ANTH 206, ECON 101, GEOL 100, PSYC 100, POLS 101, or SOSOC 100. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- CMST& 210—Interpersonal Communication: E (5) or CMST 220—Public Speaking (5)
- MATH& 152—Calculus II (5)
- PHYS& 231—Engineering Phys Lab I (1)
- PHYS& 241—Engineering Physics I (5)

TOTAL CREDITS: 16

5th Quarter

- CHEM 295—Chemistry Integrative Experience Seminar (2)
- EASC 102—Meteorology (5)
- MATH& 153—Calculus III (5)
- PHYS& 232—Engineering Phys Lab II (1)
- PHYS& 242—Engineering Physics II (5)

TOTAL CREDITS: 18

6th Quarter

- PHYS& 233—Engineering Phys Lab III (1)
 - PHYS& 243—Engineering Physics III (5)
 - ELECTIVE (5)
- See Distribution Lists—AA-DTA requirements, [p. 151]. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

ENVIRONMENTAL SCIENCE EMPHASIS, TRANSFER TRACK #1, AS-T

PLANNING GUIDE—TRANSFER DEGREE

Overview

The Earth Sciences program at Skagit Valley College is designed to serve the diverse needs of the community by inspiring students with an interest in discovery and a desire for lifelong learning, as well as by promoting critical thinking skills. Interested non-majors, as well as Earth Science, and Environmental Science majors, can choose from introductory level classes in Earth System Science, including: Meteorology (EASC 102), Physical Geology (GEOL 101), Oceanography (OCEA

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101). Additional classes include Environmental Geology (GEOL 110) and Geology of the Pacific Northwest (GEOL 208). Prior college-level course work in Earth Sciences is recommended when taking these latter two courses. Students with an interest in the natural history of the Pacific Northwest should also consider taking the spring field experience courses in Western Washington (BIOL 270) or Eastern Washington (BIOL 271).

Sample career options include:

- Environmental Engineers
- Environmental Science and Protection Technicians, Including Health
- Environmental Restoration Planners

Transfer and Degree Requirements

If you are considering a major in Environmental Science and transferring to a four-year college or university in Washington State, our Transfer Program Planning Guide is designed to provide you with recommended courses to complete your Associate in Science—Transfer Track #1, AS-T degree. Of course, educational plans may vary, based on which quarter you begin, how many credits are taken, placement into Math and English, and your preferred transfer institution. To keep you on the best pathway, we encourage you to consult with an Academic Advisor for scheduling options.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a suggested quarterly sequence of courses so you could earn your degree within two years of full-time study. Your Program Map is also designed to help you create an individualized, customized Educational Plan, which is required of all SVC students. To start creating your Educational Plan, please consult with an Academic Advisor.

94 credits

FIRST YEAR

1st Quarter

- CHEM& 161—General Chemistry w/Lab I (5)
- CSS 103—First Quarter Experience (2)
- ENGL& 101—English Composition I (5)
- MATH& 141—Precalculus I (5)

TOTAL CREDITS: 17

2nd Quarter

- CHEM& 162—General Chemistry w/Lab II (5)
- CMST& 220—Public Speaking (5)
- MATH& 142—Precalculus II (5)

TOTAL CREDITS: 15

3rd Quarter

- CHEM& 163—General Chemistry w/Lab III (5)
- ECON& 201—Micro Economics (5)
- MATH& 151—Calculus I (5)

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- BIOL& 221—Majors Ecology/Evolution (5)
- CHEM& 241—Organic Chemistry I (4)
- MATH& 152—Calculus II (5)

TOTAL CREDITS: 14

5th Quarter

- BIOL& 222—Majors Cell/Molecular Biology (5)
- CHEM& 242—Organic Chemistry II (4)
- CHEM& 251—Organic Chemistry Lab I (2)
- CHEM 295—Chemistry Integrative Experience Seminar (2)
- MATH& 146—Introduction to Stats (5)
or MATH& 153—Calculus III (5)

TOTAL CREDITS: 18

6th Quarter

- BIOL& 223—Majors Organismal Physiology (5)
- CHEM& 243—Organic Chemistry III (3)
- CHEM& 252—Organic Chemistry Lab II (2)
- POLS& 202—American Government (5)
or POLS 203—International Relations (5)

TOTAL CREDITS: 15

GEOLOGY EMPHASIS, TRANSFER TRACK #1, AS-T

PLANNING GUIDE – TRANSFER DEGREE

Overview

The Earth Sciences program at Skagit Valley College is designed to serve the diverse needs of the community by inspiring students with an interest in discovery and a desire for lifelong learning, as well as by promoting critical thinking skills. Interested non-majors, as well as Earth Science, and Environmental Science majors, can choose from introductory level classes in Earth System Science, including: Meteorology, (EASC 102), Physical Geology (GEOL 101), Oceanography (OCEA 101). Additional classes include Environmental Geology (GEOL 110) and Geology of the Pacific Northwest (GEOL 208). Prior college-level course work in Earth Sciences is recommended when taking these latter two courses. Students with an interest in the natural history of the Pacific Northwest should also consider taking the spring field experience courses in Western Washington (BIOL 270) or Eastern Washington (BIOL 271).

Sample career options include:

- Geological Sample Test Technicians
- Geoscientists
- Mining and Geological Engineers, Including Mining Safety Engineers

Transfer and Degree Requirements

If you are considering a major in Geology and transferring to a four-year college or university in Washington State, our Transfer Program Planning Guide is designed to provide you with recommended courses to complete your Associate in Science—Transfer Track #1, AS-T degree. Of course, educational plans may vary, based on which quarter you begin, how many credits are taken, placement into Math and English,

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and your preferred transfer institution. To keep you on the best pathway, we encourage you to consult with an Academic Advisor for scheduling options.

Program Map

Program Maps are an integral part of our Planning Guide. Each Program Map includes a suggested quarterly sequence of courses so you could earn your degree within two years of full-time study. Your Program Map is also designed to help you create an individualized, customized Educational Plan, which is required of all SVC students. To start creating your Educational Plan, please consult with an Academic Advisor.

97 credits

FIRST YEAR

1st Quarter

- CHEM& 161–General Chemistry w/Lab I (5)
- CSS 103–First Quarter Experience (2)
- ENGL& 101–English Composition I (5)
- MATH& 141–Precalculus I (5)

TOTAL CREDITS: 17

2nd Quarter

- CHEM& 162–General Chemistry w/Lab II (5)
- MATH& 142–Precalculus II (5)
- Humanities course (5), preferably in Learning Community format. *Suggested: ART 100, DRMA 101, ENGL 112, ENGL 115, ENGL 111, MUSC 105, PHIL 101, PHIL 215, World Language. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

3rd Quarter

- CHEM& 163–General Chemistry w/Lab III (5)
- MATH& 151–Calculus I (5)
- Social Sciences course (5), preferably in Learning Community format. *Suggested: ANTH 206, ECON 101, GEOG 100, HIST&, PSYC 100, POLS 101, or SOSC 100. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- CMST& 210–Interpersonal Communication: E (5) or CMST& 220–Public Speaking
- MATH& 152–Calculus II (5)
- PHYS& 231–Engineering Phys Lab I (1)
- PHYS& 241–Engineering Physics I (5)

TOTAL CREDITS: 16

5th Quarter

- CHEM 295–Chemistry Integrative Experience Seminar (2)
- GEOL& 101–Introduction to Physical Geology (5)
- MATH& 153–Calculus III (5)
- PHYS& 232–Engineering Phys Lab II (3)
- PHYS& 242–Engineering Physics II (5)

TOTAL CREDITS: 18

6th Quarter

- PHYS& 233–Engineering Phys Lab III (1)
- PHYS& 243–Engineering Physics III (5)
- ELECTIVE (5)

See Distribution Lists–AA-DTA requirements, [p. 151].

Discuss specific course requirements with an SVC advisor.

Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 16

ASSOCIATE IN SCIENCE – TRANSFER TRACK #2, AS-T

PLANNING GUIDE – TRANSFER DEGREE

Overview

This degree is intended to prepare students to transfer to Washington's public four-year colleges and universities and many private colleges with junior standing and the majority of the prerequisites for selected science, mathematics, and engineering majors completed. This degree partially fulfills the general education requirements as explained in the Associate of Arts, Direct Transfer Agreement, AA-DTA degree. This degree does not guarantee admission into the major.

Students completing this Associate of Science Transfer degree will receive the same priority consideration for admission to the baccalaureate institution as they would for completing the direct transfer associate's degree and will be given junior status by the receiving institution. Each concentration within this degree has additional requirements. Early advising is important to ensure degree completion, for example:

- Additional general educational requirements, cultural diversity requirements, and foreign language requirements, as required by the transfer institution, must be met prior to the completion of a baccalaureate degree.
- Some baccalaureate institutions require physics with calculus to meet the physics sequence of 15 credits.
- Engineering students may have additional lower-division requirements to meet prior to department admission.
- Precalculus cannot be used to satisfy the mathematics require.
- Science sequences should not be broken up between institutions (ex: the typical three-quarter physics sequence should be taken entirely at Skagit Valley College).

Students are responsible for checking specific major requirements of baccalaureate institutions in the year prior to transferring. Selecting and planning courses with a science or engineering advisor is strongly recommended to ensure a seamless transition to a science major program at a specific university or four-year college.

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BAS-AMD • BAS-ECE • BAS-EC • BAS-M • BASM-HM • BS-CS • AA-DTA • AS-T • AVA • DTA/MRP • A.Ed. • AAS • AAS-T • AS-T/MRP • CERTIFICATES AND MICRO-CERTIFICATES

Transfer

The Associate of Science Transfer (AS-T) Degree Track #2 is a 90 credit degree that prepares students for upper division study in areas of engineering, computer science, physics, and atmospheric sciences. Completing the AS-T degree does not guarantee student admission to the major.

Washington Colleges and Universities accepting the AS-T Degree from Skagit Valley College:

- Central Washington University
- Eastern Washington University
- University of Washington
- Washington State University
- Western Washington University

Learning Outcomes

- General Education Learning Outcomes
- Program Learning Outcomes

Degree Options

- Engineering Emphasis, Transfer Track #2, AS-T
- Physics Emphasis, Transfer Track #2, AS-T

Degree Requirements

Students must complete a minimum of 90 credits in transferable courses numbered 100 or above which include General Education courses plus a specific science or engineering major option with a minimum cumulative GPA of 2.0. At least 25 college-level credits must be earned at SVC with a minimum GPA of 2.0. Additional General Education Requirements (GERs) must be completed at the four-year school where the student transfers.

REQUIREMENTS FOR SPECIFIC CONCENTRATION (60 CR.)

Associate In Science Transfer (AS-T) Track 2 concentrations:

- Atmospheric Sciences
- Physics
- Engineering – Bioengineering/Chemical
- Engineering – Computer/Electrical
- Engineering – Mechanical/Civil/Aeronautical/Environmental/Industrial/Materials Science

Major program requirements

- Physics (calculus-based or non-calculus-based) sequence including laboratory (18 credits).
- Chemistry (for science majors) with laboratory required for engineering majors (5 credits). Other concentrations should select 5 credits of science based on advising.
- Third quarter calculus or approved statistics course chosen with the help of an advisor based on the requirements of the specific discipline at the baccalaureate institution the student plans to attend (5 credits).

- The remaining 35 credits should be planned with the help of an advisor based on the requirements of the specific discipline at the baccalaureate institution the student selects to attend. For engineering disciplines, these credits should include a design component consistent with ABET.

Note: An ampersand (&) denotes Common Course Numbering

1. First Quarter Experience (2 cr.)

- CSS 103 – First Quarter Experience (2)

2. Communications Skills (5 cr.)

Requires a minimum of 5 credits in college-level composition.

- ENGL& 101 – English Composition I (5)

Note: ENGL &101 Learning Community combined with a science or other required course is recommended.

3. Quantitative Skills (10 cr.)

Requires completion of 10 credits in introductory calculus or above.

- MATH& 151 – Calculus I (5)
- MATH& 152 – Calculus II (5)

4. Integrative Learning Experiences

Two Integrative Learning Experiences (ILE) are required. One ILE must be a Learning Community. The second ILE may be another Learning Community or an Integrative Experience.

- A Learning Community (LC) is the integrated combination of two or more courses from different areas of inquiry (e.g. sociology and literature, physics and math, etc.) Learning Communities are indicated in the course schedule.
- Integrative Experiences (IEs) are typically seminar courses in which students use an interdisciplinary approach for a specific topic or current issue (e.g. Ethics in Science). Integrative Experience seminars are indicated in the course schedule.

Note: Integrative Learning Experiences specifically designed for this degree may be offered; consult your advisor for information.

5. Equity Requirement

At least one Equity designated course is required for students pursuing an Associate in Science (AS-T) or an Associate Direct Transfer Agreement/Major Related Program (DTA/MRP) degree. Students should use the SVC online quarterly class schedule search or consult with their faculty advisor or counselor to identify courses that fulfill this requirement.

6. Distribution Requirements (15 cr.)

Select credits from two distribution areas (Social Science and Humanities). Eligible courses for each distribution area are listed in the Associate in Arts – Direct Transfer

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Agreement Distribution list. These courses may also satisfy the Integrative Learning Experiences or Diversity requirement. WWU Huxley College requires one Political Science.

- 5 credits in Social Sciences
- 5 credits in Humanities
- 5 credits in either Social Sciences or Humanities

7. Electives

The remaining credits should be planned with the help of an advisor based on the requirements of the specific discipline at the baccalaureate institution the student selects to attend. See your SVC advisor for specific courses recommended for your major; check with your 4-year university for world-language requirements. A maximum of five non-transferable **Gray Area Elective**, may be applied toward the 90-credit minimum for the degree.

ENGINEERING EMPHASIS, TRANSFER TRACK #2, AS-T

PLANNING GUIDE – TRANSFER DEGREE

Overview

The engineering courses are designed to introduce students to the field of engineering and/or fulfill prerequisites for upper division engineering courses. Because many of the engineering courses have math prerequisites and because most engineering courses are offered only annually or biennially, getting started on the appropriate sequence is important.

Sample career options include:

- Mechanical Engineers
- Civil Engineers
- Electrical Engineers

Transfer and Degree Requirements

If you are considering a major in Engineering and transferring to a four-year college or university in Washington State, our Transfer Program Planning Guide is designed to provide you with recommended courses to complete your Associate in Science – Transfer Track #2, AS-T degree. Of course, educational plans may vary, based on which quarter you begin, how many credits are taken, placement into Math and English, and your preferred transfer institution. To keep you on the best pathway, we encourage you to consult with an Academic Advisor for scheduling options.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a suggested quarterly sequence of courses so you could earn your degree within two years of full-time study. Your Program Map is also designed to help you create an individualized, customized Educational Plan, which is required of all SVC students. To start creating your Educational Plan, please consult with an Academic Advisor.

97 credits

FIRST YEAR

1st Quarter

- CHEM& 161 – General Chemistry w/Lab I (5)
- CSS 103 – First Quarter Experience (2)
- ENGL& 101 – English Composition I (5)
- MATH& 151 – Calculus I (5)

TOTAL CREDITS: 17

2nd Quarter

- CS 142 – Java Programming I (5)
- CHEM 295 – Chemistry Integrative Experience Seminar (2)
- ENGL& 235 – Technical Writing (5)
- MATH& 152 – Calculus II (5)

TOTAL CREDITS: 17

3rd Quarter

- CS 143 – Java Programming II (5)
- ENGR& 104 – Introduction to Engineering and Design (5)
- MATH& 153 – Calculus III (5)

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- MATH& 254 – Calculus IV (5)
- PHYS& 231 – Engineering Phys Lab I (1)
- PHYS& 241 – Engineering Physics I (5)
- Social Science course (5), preferably in Learning Community format. *Suggested: ANTH 206, ECON 101, GEOG 100, HIST&, PSYC 100, POLS 101, or SOSOC 100. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 16

5th Quarter

- MATH 204 – Elementary Linear Algebra (5)
- PHYS& 232 – Engineering Phys Lab II (1)
- PHYS& 242 – Engineering Physics II (5)
- Humanities course (5), preferably in Learning Community format. *Suggested: ART 100, DRMA 101, ENGL 112, ENGL 115, ENGL 111, MUSC 105, PHIL 101, PHIL 215, or WRLD LANG. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 16

6th Quarter

- MATH 238 – Ordinary Differential Equations (5)
 - PHYS& 233 – Engineering Phys Lab III (1)
 - PHYS& 243 – Engineering Physics III (5)
 - Elective (5)
- See Distribution Lists – AA-DTA requirements, [p. 151]. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 16

PHYSICS EMPHASIS, TRANSFER TRACK #2, AS-T

PLANNING GUIDE – TRANSFER DEGREE

Overview

The Physics program is designed to serve the diverse needs of the community by inspiring students with an interest in discovery and a desire for lifelong learning, as well as by promoting critical thinking skills. The Physics program provides

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courses for interested non-majors, science majors, and engineering majors. Two year-long sequences provide solid foundations in general physics: PHYS 134, PHYS 135, PHYS 136 (algebra-based) and PHYS 241, PHYS 242, and PHYS 243 (calculus-based). Both sequences emphasize lab work to offer students hands-on experience with physical concepts and analysis. Non-science majors with an interest in physics may choose to take PHYS 100, a non-lab survey of physics concepts or PHYS 111.

Sample career options include:

- Physicists
- Physics Teachers, Postsecondary
- Astronomers

Transfer and Degree Requirements

If you are considering a major in Physics and transferring to a four-year college or university in Washington State, our Transfer Program Planning Guide is designed to provide you with recommended courses to complete your Associate in Science – Transfer Track #2, AS-T degree. Of course, educational plans may vary, based on which quarter you begin, how many credits are taken, placement into Math and English, and your preferred transfer institution. To keep you on the best pathway, we encourage you to consult with an Academic Advisor for scheduling options.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a suggested quarterly sequence of courses so you could earn your degree within two years of full-time study. Your Program Map is also designed to help you create an individualized, customized Educational Plan, which is required of all SVC students. To start creating your Educational Plan, please consult with an Academic Advisor.

90 credits

FIRST YEAR

1st Quarter

- CSS 103 – First Quarter Experience (2)
- CHEM& 161 – General Chemistry w/Lab I (5)
- MATH& 141 – Precalculus I (5)
or MATH 151 – Calculus I (5)

TOTAL CREDITS: 12

2nd Quarter

- CHEM& 162 – General Chemistry w/Lab II (5)
or ASTR 101 – Introduction to Astronomy
- ENGL& 101 – English Composition I (5)
- MATH& 142 – Precalculus II (5)
or MATH 152 – Calculus II (5)

TOTAL CREDITS: 15

3rd Quarter

- MATH& 151 – Calculus I (5)
or MATH 153 – Calculus III (5)
- Humanities Choice (5), preferably in Learning Community format.
Suggested: ART 100, ART 101, ART 142, ART 143, ART 144, CMST 220, ENGL 111, HUM 101, PHIL 106, PHIL 215, or WRDL LANG.
Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Social Science Choice (5), preferably in Learning Community format.
Suggested: ANTH 206, ECON 202, HIST 117, PSYC 100, POLS 101, POLS 203, or SOC 101:E.
Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- MATH& 152 – Calculus II (5)
or MATH& 254 – Calculus IV
- PHYS& 231 – Engineering Phys Lab I (1)
- PHYS& 241 – Engineering Physics I (5)
- ELECTIVE (5)
Suggested: ASTR 100, ASTR 101, CHEM 163, CS 142, CS 210, ENGL 235, ENGR 104, ENGR 214, GEOL 101, or MATH 146.
Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 16

5th Quarter

- MATH 204 – Elementary Linear Algebra (5)
- PHYS& 232 – Engineering Phys Lab II (1)
- PHYS& 242 – Engineering Physics II (5)
- MATH& 153 – Calculus III (5)
or ELECTIVE (5)
Suggested: ASTR 100, ASTR 101, CHEM 163, CS 143, CS 211, ENGL 235, ENGR 104, ENGR 214, GEOL 101, or MATH 146.
Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 16

6th Quarter

- MATH 238 – Ordinary Differential Equations (5)
- PHYS& 233 – Engineering Phys Lab III (1)
- PHYS& 243 – Engineering Physics III (5)
- Humanities Choice (5), preferably in Learning Community format.
Suggested: ART 100, ART 101, ART 142, ART 143, ART 144, CMST 220, ENGL 111, HUM 101, PHIL 106, PHIL 215, or WRDL LANG.
Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Social Science course (5), preferably in Learning Community format.
Suggested: ANTH 206, ECON 202, HIST 117, PSYC 100, POLS 101, POLS 203, or SOC 101:E.
Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institution.

TOTAL CREDITS: 16

ENGINEERING, ASSOCIATE IN SCIENCE, TRANSFER TRACK #2 (ENGINEERING), AS-T/MRP

PLANNING GUIDE – TRANSFER DEGREE

Program Overview

This degree is intended to prepare students to transfer to Washington's public four-year colleges and universities and many private colleges with junior standing and the majority of the prerequisites for selected science, mathematics, and engineering majors completed. This degree partially fulfills the general education requirements as explained in the **Associate of Arts, Direct Transfer Agreement information and details**, [p. 66]. This degree does not guarantee admission into the major.

Students completing this Associate of Science Transfer degree will receive the same priority consideration for admission to the baccalaureate institution as they would for completing the direct transfer associate's degree and will be given junior status by the receiving institution. Each concentration within this degree has additional requirements. Early advising is important to ensure degree completion, for example:

- Additional general educational requirements, cultural diversity requirements, and foreign language requirements, as required by the transfer institution, must be met prior to the completion of a baccalaureate degree.
- Some baccalaureate institutions require physics with calculus to meet the physics sequence of 15 credits.
- Engineering students may have additional lower-division requirements to meet prior to department admission.
- Precalculus cannot be used to satisfy the mathematics requirement.
- Science sequences should not be broken up between institutions (ex: the typical three-quarter physics sequence should be taken entirely at Skagit Valley College).
- Students are responsible for checking specific major requirements of baccalaureate institutions in the year prior to transferring. Selecting and planning courses with a science or engineering advisor is strongly recommended to ensure a seamless transition to a science major program at a specific university or four-year college.

Transfer

Educational plans may vary based on which quarter you begin, how many credits are taken, placement into mathematics and English, and the student's preferred transfer institution. If the student is considering a major in this emphasis and transferring to a four-year college or university Washington State, the student is encouraged to consult with an academic advisor at both SVC and the preferred transfer institution to keep them on the best pathway to graduation.

The Associate of Science-Transfer, Track #2 Engineering Major Related Program (AS-T 2/MRP) degree is a 90 credit degree

that prepares students for upper division study in areas of engineering, computer science, physics, and atmospheric sciences. Completing the AS-T degree does not guarantee student admission to the major.

Washington's public and private institutions which accept this degree from SVC include:

- Eastern Washington University
- University of Washington
- Washington State University
- Western Washington University
- Gonzaga University
- Saint Martin's University
- Seattle Pacific University
- Seattle University
- Walla Walla University

Learning Outcomes

- General Education Learning Outcomes [p. 156]
- Program Learning Outcomes [p. 156]

Degree Options

Skagit Valley College offers a variety of programs pathways to match student interests:

- Bioengineering and Chemical Engineering Emphasis, Associate of Science-Transfer, Track #2 Engineering Major Related Program (AS-T 2/MRP)
- Computer and Electrical Engineering Emphasis, Associate of Science-Transfer, Track #2 Engineering Major Related Program (AS-T 2/MRP)
- Civil and Mechanical Engineering Emphasis, Associate of Science-Transfer, Track #2 Engineering Major Related Program (AS-T 2/MRP)
- Materials Science and Manufacturing Engineering Emphasis, Associate of Science-Transfer, Track #2 Engineering Major Related Program (AS-T 2/MRP)

Degree Requirements

Students must complete a minimum of 90 credits in transferable courses numbered 100 or above which include General Education courses plus a specific science or engineering major option with a minimum cumulative GPA of 2.0. At least 25 college-level credits must be earned at SVC with a minimum GPA of 2.0. Additional General Education Requirements (GERs) must be completed at the four-year school where the student transfers.

REQUIREMENTS FOR SPECIFIC CONCENTRATIONS (60 CR.)

Associate In Science-Transfer, Track 2 Engineering Major Related Programs (AS-T 2/MRP) Concentrations (60 credits):

- Atmospheric Sciences
- Computer Science
- Physics
- Engineering – Bioengineering/Chemical

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- Engineering – Computer/Electrical
- Engineering – Mechanical/Civil/Aeronautical/Environmental/Industrial/Materials Science

Major program requirements

- Physics (calculus-based or non-calculus-based) sequence, including laboratory (15 credits).
Note: Some transfer institutions require calculus-based physics to meet this requirement. Check with the target transfer institution for more information.
- Chemistry (for science majors) with laboratory required for engineering majors (5 credits). Other concentrations should select 5 credits of science based on advising.
- Third quarter calculus or approved statistics course chosen with the help of an advisor based on the requirements of the specific discipline at the baccalaureate institution the student plans to attend (5 credits.)
- The remaining 35 credits should be planned with the help of an advisor based on the requirements of the specific discipline at the baccalaureate institution the student selects to attend. For engineering disciplines, these credits should include a design component consistent with ABET.

Note: An ampersand (&) denotes Common Course Numbering

1. First Quarter Experience (2 cr.)

- CSS 103 – First Quarter Experience (2)

2. Communications Skills (5 cr.)

Requires a minimum of 5 credits in college-level composition.

- ENGL& 101 – English Composition I (5)

Note: ENGL &101 Learning Community combined with a science or other required course is recommended.

3. Quantitative Skills (10 cr.)

Requires completion of 10 credits in introductory calculus or above.

- MATH& 151 – Calculus I (5)
- MATH& 152 – Calculus II (5)

Note: Third quarter calculus or approved statistics course chosen with the help of an advisor, based on the requirements of the specific discipline at the transfer institution the student plans to attend (5 credits).

4. Integrative Learning Experiences

Two Integrative Learning Experiences (ILE) are required. One ILE must be a Learning Community. The second ILE may be another Learning Community or an Integrative Experience.

A Learning Community (LC) is the integrated combination of two or more courses from different areas of inquiry (e.g. sociology and literature, physics and math, etc.) Learning Communities are indicated in the course schedule.

Integrative Experiences (IEs) are typically seminar courses in which students use an interdisciplinary approach for a specific topic or current issue (e.g. Ethics in Science). Integrative Experience seminars are indicated in the course schedule.

Note: Integrative Learning Experiences specifically designed for this degree may be offered; consult your advisor for information.

5. Equity Requirement

At least one Equity designated course is required for students pursuing an Associate in Science (AS-T) or an Associate Direct Transfer Agreement/Major Related Program (DTA/MRP) degree. Students should use the SVC online quarterly class schedule search or consult with their faculty advisor or counselor to identify courses that fulfill this requirement.

6. Distribution Requirements (15 cr. minimum)

Select credits from two distribution areas (Social Science and Humanities). Eligible courses for each distribution area are listed in the Associate in Arts – Direct Transfer Agreement Distribution list. These courses may also satisfy the Integrative Learning Experiences or Diversity requirement. WWU Huxley College requires one Political Science.

- 5 credits in Social Sciences
- 5 credits in Humanities
- 5 credits in either Social Sciences or Humanities

Note: Learning Community, combined with a science or other required course, is recommended.

7. Electives (35 cr.)

The remaining credits should be planned with the help of an advisor based on the requirements of the specific discipline at the baccalaureate institution the student selects to attend. See your SVC advisor for specific courses recommended for your major; check with your 4-year university for world-language requirements. A maximum of five (5) non-transferable **Gray Area credits, [p. 66]**, may be applied toward the 90-credit minimum for the degree.

BIOENGINEERING AND CHEMICAL ENGINEERING EMPHASIS, ASSOCIATE OF SCIENCE-TRANSFER, TRACK #2 ENGINEERING MAJOR RELATED PROGRAM (AS-T 2/MRP)

PLANNING GUIDE – TRANSFER DEGREE

Overview

The engineering courses are designed to introduce students to the field of engineering and/or fulfill prerequisites for upper division engineering courses. Because many of the engineering courses have math prerequisites and because most

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engineering courses are offered only annually or biennially, getting started on the appropriate sequence is important.

Sample career options include:

- Bioengineers and Biomedical Engineers
- Chemical Engineers
- Petroleum Engineers

Transfer and Degree Requirements

If you are considering a major in this emphasis and transferring to a four-year college or university in Washington State, an Academic Advisor can provide you with recommended courses to complete your Associate in Science—Transfer Track #2, AS-T degree. Of course, educational plans may vary, based on which quarter you begin, how many credits are taken, placement into Math and English, and your preferred transfer institution. To keep you on the best pathway, we encourage you to consult with an Academic Advisor for scheduling options.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

92 credits

FIRST YEAR

Fall Quarter

- MATH& 151—Calculus I (5)
- CHEM& 161—General Chemistry w/Lab I (5)
- ENGL& 101—English Composition I (5)
- CSS 103—First Quarter Experience (2)

TOTAL CREDITS: 17

Winter Quarter

- MATH& 152—Calculus II (5)
- CHEM& 162—General Chemistry w/Lab II (5)
- IE Science Seminar (2)

Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions

TOTAL CREDITS: 12

Spring Quarter

- MATH& 153—Calculus III (5)
- CHEM& 163—General Chemistry w/Lab III (5)
- Humanities Choice (5), preferably in Learning Community format. *Suggested: World Language course, CMST 220, PHIL 106, PHIL 215, ART 101, ART& 143, ENGL 202, or ENGL& 112. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

SECOND YEAR

Fall Quarter

- CHEM& 241—Organic Chemistry I (4)
- PHYS& 241—Engineering Physics I (5)
- PHYS& 231—Engineering Phys Lab I (1)
- BIOL& 221—Majors Ecology/Evolution (5)
- or
- Engineering Elective (5)

Suggested: ENGR& 240, ENGR& 104, ENGR 170, ENGR& 224, ENGR& 204, or ENGR& 214. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

Winter Quarter

- PHYS& 242—Engineering Physics II (5)
- PHYS& 232—Engineering Phys Lab II (1)
- CHEM& 242—Organic Chemistry II (5)
- CHEM& 251—Organic Chemistry Lab I (5)
- Engineering elective (5)

Suggested: ENGR& 240, ENGR& 104, ENGR 170, ENGR& 224, ENGR& 204, ENGR& 214. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 17

Spring Quarter

- MATH 238—Ordinary Differential Equations (5)
- PHYS& 233—Engineering Phys Lab III (1)
- PHYS& 243—Engineering Physics III (5)
- Social Sciences or Humanities Choice (5), preferably in Learning Community format. *Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 16

COMPUTER AND ELECTRICAL ENGINEERING EMPHASIS, ASSOCIATE OF SCIENCE—TRANSFER, TRACK #2 ENGINEERING MAJOR RELATED PROGRAM (AS-T 2/MRP)

PLANNING GUIDE—TRANSFER DEGREE

Overview

The engineering courses are designed to introduce students to the field of engineering and/or fulfill prerequisites for upper division engineering courses. Because many of the engineering courses have math prerequisites and because most engineering courses are offered only annually or biennially, getting started on the appropriate sequence is important.

Sample career options include:

- Computer Hardware Engineers
- Electrical Engineers
- Electronics Engineers
- Mechatronics Engineers
- Robotics Engineers

6 GENERAL DEGREE/PROGRAM INFORMATION

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Transfer and Degree Requirements

If you are considering a major in this emphasis and transferring to a four-year college or university in Washington State, an Academic Advisor can provide you with recommended courses to complete your Associate in Science—Transfer Track #2, AS-T degree. Of course, educational plans may vary, based on which quarter you begin, how many credits are taken, placement into Math and English, and your preferred transfer institution. To keep you on the best pathway, we encourage you to consult with an Academic Advisor for scheduling options.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

95 credits

FIRST YEAR

Fall Quarter

- MATH& 151—Calculus I (5)
- ENGL& 101—English Composition I (5)
- CSS 103—First Quarter Experience (2)
- PHYS& 241—Engineering Physics I (5)
and PHYS& 231—Engineering Phys Lab I (1)

TOTAL CREDITS: 18

Winter Quarter

- MATH& 152—Calculus II (5)
- CS 142—Java Programming I (5)
or CS 210—C++ Programming I (5)
- PHYS& 242—Engineering Physics II (5)
and PHYS& 232—Engineering Phys Lab II (1)

TOTAL CREDITS: 16

Spring Quarter

- MATH& 153—Calculus III (5)
- CS 143—Java Programming II (5)
or CS 211—C++ Programming II (5)
- PHYS& 243—Engineering Physics III (5)
and PHYS& 233—Engineering Phys Lab III (1)

TOTAL CREDITS: 16

SECOND YEAR

Fall Quarter

- ENGR& 214—Statics(5)
- CHEM& 161—General Chemistry w/Lab I (5)
- Social Sciences or Humanities Choice (5),
Social Sciences or Humanities course (5), preferably in Learning Community format. Students are responsible for checking with specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

Winter Quarter

- MATH 204—Elementary Linear Algebra (5)
- ECON& 202—Macro Economics (5)
- Engineering elective (5)
Suggested: MATH& 254, ENGL& 235, ENGR& 224, ENGR& 214, ENGR& 215, CHEM& 162, BIOL& 221, or ENGR& 240. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

Spring Quarter

- MATH 238—Ordinary Differential Equations (5)
- ENGR& 204—Electrical Circuits (5)
- Social Sciences or Humanities Choice (5), preferably in Learning Community format. *Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

CIVIL AND MECHANICAL ENGINEERING EMPHASIS, ASSOCIATE OF SCIENCE-TRANSFER, TRACK #2 ENGINEERING MAJOR RELATED PROGRAM (AS-T 2/MRP))

PLANNING GUIDE – TRANSFER DEGREE

Overview

The engineering courses are designed to introduce students to the field of engineering and/or fulfill prerequisites for upper division engineering courses. Because many of the engineering courses have math prerequisites and because most engineering courses are offered only annually or biennially, getting started on the appropriate sequence is important.

Sample career options include:

- Aerospace Engineers
- Automotive Engineers
- Civil Engineers
- Environmental Engineers
- Health and Safety Engineers
- Mechanical Engineers

Transfer and Degree Requirements

If you are considering a major in this emphasis and transferring to a four-year college or university in Washington State, our Transfer Program Planning Guide is designed to provide you with recommended courses to complete your Associate in Science—Transfer Track #2, AS-T degree. Of course, educational plans may vary, based on which quarter you begin, how many credits are taken, placement into Math and English, and your preferred transfer institution. To keep you on the best pathway, we encourage you to consult with an Academic Advisor for scheduling options.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits

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to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

95 credits

FIRST YEAR

Fall Quarter

- MATH& 151–Calculus I (5)
- ENGL& 101–English Composition I (5)
- CSS 103–First Quarter Experience (2)
- PHYS& 241–Engineering Physics I (5)
- PHYS& 231–Engineering Phys Lab I (1)

TOTAL CREDITS: 18

Winter Quarter

- MATH& 152–Calculus II (5)
- PHYS& 242–Engineering Physics II (5)
- PHYS& 232–Engineering Phys Lab II (1)
- ECON& 202–Macro Economics (1)

TOTAL CREDITS: 16

Spring Quarter

- MATH& 153–Calculus III (5)
- PHYS& 243–Engineering Physics III (5)
- PHYS& 233–Engineering Phys Lab III (1)
- Humanities elective (5)

Suggested: World Language, CMST& 220, PHIL 215, ART 101.

Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 16

SECOND YEAR

Fall Quarter

- ENGR& 214–Statics (5)
- CHEM& 161–General Chemistry w/Lab I (5)
- Social Sciences or Humanities Choice (5), preferably in Learning Community format. *Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

Winter Quarter

- MATH 204–Elementary Linear Algebra (5)
- ENGR& 215–Dynamics (5)
- CHEM& 162–General Chemistry w/Lab II (5)

TOTAL CREDITS: 15

Spring Quarter

- MATH 238–Ordinary Differential Equations (5)
- ENGR& 225–Mechanics of Materials (5)
- Engineering Elective (5)

Suggested: ENGR& 240, ENGR& 104, ENGR 170, ENGR& 204, ENGR& 114, ENGR& 215, ENGR& 224, ENGR& 225, CHEM& 163 or BIOL& 221. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

MATERIALS SCIENCE AND MANUFACTURING ENGINEERING EMPHASIS, ASSOCIATE OF SCIENCE-TRANSFER, TRACK #2 ENGINEERING MAJOR RELATED PROGRAM (AS-T 2/MRP)

PLANNING GUIDE – TRANSFER DEGREE

Overview

The engineering courses are designed to introduce students to the field of engineering and/or fulfill prerequisites for upper division engineering courses. Because many of the engineering courses have math prerequisites, and because most engineering courses are offered only annually or biennially, getting started on the appropriate sequence is important.

Sample career options include:

- Materials Engineers
- Manufacturing Engineers

Transfer and Degree Requirements

If you are considering a major in this emphasis and transferring to a four-year college or university in Washington State, our Transfer Program Planning Guide is designed to provide you with recommended courses to complete your Associate in Science – Transfer Track #2, AS-T degree. Of course, educational plans may vary, based on which quarter you begin, how many credits are taken, placement into Math and English, and your preferred transfer institution. To keep you on the best pathway, we encourage you to consult with an Academic Advisor for scheduling options.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

95 credits

FIRST YEAR

Fall Quarter

- MATH& 151–Calculus I (5)
- PHYS& 241–Engineering Physics I (5)
- PHYS& 231–Engineering Phys Lab I (1)
- ENGL& 101–English Composition I (5)
- CSS 103–First Quarter Experience (2)

TOTAL CREDITS: 18

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Winter Quarter

- MATH& 152 – Calculus II (5)
- PHYS& 242 – Engineering Physics II (5)
- PHYS& 232 – Engineering Phys Lab II (1)
- ECON& 202 – Macro Economics (1)

TOTAL CREDITS: 16

Spring Quarter

- MATH& 153 – Calculus III (5)
- PHYS& 243 – Engineering Physics III (5)
- PHYS& 233 – Engineering Phys Lab III (1)
- Humanities Choice (5), *Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 16

SECOND YEAR

Fall Quarter

- ENGR& 214 – Statics (5)
- CHEM& 161 – General Chemistry w/Lab I (5)
- ENGR 170 – Fundamentals of Materials Science (5)

TOTAL CREDITS: 15

Winter Quarter

- MATH 204 – Elementary Linear Algebra (5)
- CHEM& 162 – General Chemistry w/Lab II(5)
- Engineering elective (5)
Suggested: CS 142, CS 210, MATH& 254, MATH 238, ENGL& 235, BIOL& 221, ENGR& 224, ENGR& 215, ENGR& 114, ENGR& 240, ENGR& 104, ENGR 170, CHEM& 163, or CHEM& 241. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

Spring Quarter

- ENGR& 225 – Mechanics of Materials (5)
- Engineering elective (5)
Suggested: CS 142, CS 210, MATH& 254, MATH 238, ENGL& 235, BIOL& 221, ENGR& 224, ENGR& 215, ENGR& 114, ENGR& 240, ENGR& 104, ENGR 170, CHEM& 163, or CHEM& 241. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- Social Sciences or Humanities Choice (5), preferably in Learning Community format. *Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.*

TOTAL CREDITS: 15

ARTICULATED ACADEMIC TRANSFER DEGREE

ASSOCIATE IN VISUAL ARTS, AVA

PLANNING GUIDE – TRANSFER DEGREE

Overview

The Art Department is committed to the value of the arts to all academic studies and offers courses for both majors and non-majors. Students who intend to transfer should be aware that they may be required to present a portfolio of work. Your

Advisor can provide guidance for you to prepare the portfolio. Students who take courses in the department have the opportunity for their work to be featured in the Skagit Valley College Annual Juried Student Exhibition.

Sample career options include

- Fine Artists, Including Painters, Sculptors and Illustrators
- Graphic Design

Transfer

This degree is intended to prepare students to transfer to a four-year college or university with most of the prerequisites for an art major completed. This degree partially fulfills the general education requirements (GERs) for four-year transfer. Completion of the AVA does not guarantee admission as an Art major with junior standing. Admission to the Art programs at most four-year colleges is competitive. A strong GPA and a quality portfolio are essential to compete for admission into the major. Students are strongly advised to select and plan courses with their Art department advisor.

The Associates of Visual Arts, AVA, degree transfers to Washington State University under an articulation agreement.

Degree Requirements

Students must complete a minimum of 90 quarter credits in transferable courses numbered 100 or above with a cumulative grade point average of at least 2.0 in order to graduate from SVC with an Associate in Visual Arts Degree. At least 25 of the 90 credits must be earned at SVC. Credits must satisfy course requirements listed below.

Note: An ampersand (&) denotes Common Course Numbering

1. First Quarter Experience (2 cr.)

- CSS 103 – First Quarter Experience (2)

2. Communication Skills (10 cr.)

- ENGL 101 – English Composition I (5)
or ENGL 102 – Composition II (5)
or ENGL 103 – Advanced Composition (5)
- CMST 210 – Interpersonal Communication: E (5) or
or CMST 220 – Public Speaking (5)

3. Quantitative Skills (5 cr.)

- MATH 107 – Math in Society (5) or higher.

4. Physical Education (3 cr.)

- PE 100 – Wellness For Life (1)
- PE activity course(s) (2)
excludes: PE 200, PE 204 & PE 205

5. Equity Requirement

At least one Equity designated course is required for students pursuing an Associate in Science (AS-T) or an Associate Direct Transfer Agreement/Major Related Program (DTA/MRP) degree. Students should use the SVC online quarterly class schedule search or consult with their faculty

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advisor or counselor to identify courses that fulfill this requirement. See the Equity Degree Requirement list for courses that fulfill this requirement.

6. Integrative Learning Experiences

Two Integrative Learning Experiences (ILE) are required. One ILE must be a Learning Community. The second ILE may be another Learning Community or an Integrative Experience.

A Learning Community (LC) is the integrated combination of two or more courses from different areas of inquiry (e.g., sociology and literature, or physics and math, or speech and economics, or composition and philosophy). Learning Communities are indicated in the course schedule and online schedule advanced search.

Integrative Experiences (IEs) are curricular or co-curricular experiences designed by faculty in which students demonstrate their ability to integrate information, concepts, analytical frameworks, and skills from two or more areas of inquiry in a purposeful project or experience. Integrative Experiences that are classes are indicated in the course schedule; co-curricular IEs are indicated in promotion and advising for the experience or project. Students may design a Learning into Action IE under the guidance of the supervising faculty member.

The Integrative Learning Experience requirements should be discussed with your advisor and planned into your yearly schedule.

7. Visual Art Courses

A. Basic Art requirements (47 cr.)

- ART 101–Drawing Fundamentals (5)
- ART 102–Drawing Composition and Techniques (5)
- ART 107–Life Drawing (4)
- ART 111–Two Dimensional Color and Design (5)
- ART 112–Three Dimensional Design (5)
- ART& 100–Art Appreciation (5)
- ART 142–Survey of Art History: Prehistory to 1300 AD (5)
- ART 143–Survey of Art History: 1300-1850 (5)
- ART 144–Modern Art History (5)
- ART 150–Health and Safety in the Visual Arts (1)
- ART 160–Portfolio (1)
- ART 161–Exhibition (1)

B. Art Electives (12 cr.)

- ART 181–Photography I (4)
- ART 182–Photography II (4)
- ART 201–Painting I (5)
- ART 202–Painting II (5)
- ART 241–Ceramics I (5)

- ART 242–Ceramics II (5)
- ART 261–Printmaking I (4)
- ART 262–Printmaking II (4)

8. Additional General Education Requirements (13 cr.)

You must accumulate at least 90 college-level (100 or higher) credits for this degree. Consult the General Education Requirements list for Washington State University in the SVC Counseling and Career Services offices or your Art department advisor for appropriate course selections. A maximum of 5 credits in **Gray Area electives**, [p. 66], allowed.

9. Other Recommended Courses

- CMST 220–Public Speaking (5)

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a suggested quarterly sequence of courses so you could earn your degree within two years of full-time study. Your Program Map is also designed to help you create an individualized, customized Educational Plan, which is required of all SVC students. To start creating your Educational Plan, please consult with an Academic Advisor.

94 credits

FIRST YEAR

1st Quarter

- ART 101–Drawing Fundamentals (5)
- ART 111–Two Dimensional Color and Design (5)
- CSS 103–First Quarter Experience (2)
- ENGL& 101–English Composition I (5)

TOTAL CREDITS: 17

2nd Quarter

- ART 107–Life Drawing (4)
- CMST& 220–Public Speaking (5)
- MATH& 107–Math in Society (5)
- PE 100–Wellness For Life (1)

TOTAL CREDITS: 15

3rd Quarter

- ART& 100–Art Appreciation (5)
- ART 112–Three Dimensional Design (5)
- Natural Science Course (5), with Lab

See Distribution Lists–AA-DTA requirements, [p. 151].

Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

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SECOND YEAR

4th Quarter

- ART 142 – Survey of Art History: Prehistory to 1300 AD (5)
- ART 160 – Portfolio (1)
- ART Elective Course (4)

Discuss specific course requirements with an SVC advisor.

Students are responsible for checking specific major requirements of baccalaureate institutions.

- Natural Science Course (5)

See Distribution Lists–AA-DTA requirements, [p. 151].

Discuss specific course requirements with an SVC advisor.

Students are responsible for checking specific major requirements of baccalaureate institutions.

- PE Activity (1)

TOTAL CREDITS: 16

5th Quarter

- ART 143 – Survey of Art History: 1300-1850 (5)
- ART 150 – Health and Safety in the Visual Arts (1)
- ART Elective Choice (4)

Discuss specific course requirements with an SVC advisor.

Students are responsible for checking specific major requirements of baccalaureate institutions.

- Social Sciences Course (5)

See Distribution Lists–AA-DTA requirements, [p. 151].

Discuss specific course requirements with an SVC advisor.

Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

6th Quarter

- ART 102 – Drawing Composition and Techniques (5)
- ART 144 – Modern Art History (5)
- ART 161 – Exhibition (1)
- ART Elective Choice (4)

Discuss specific course requirements with an SVC advisor.

Students are responsible for checking specific major requirements of baccalaureate institutions.

- PE Activity (1)

Select from variety of activity courses to total 2 credits.

TOTAL CREDITS: 16

Sample career options include:

- Registered Nurse
- Critical Care Nurse
- Acute Care Nurse

Learning Outcomes

General Education Learning Outcomes, [p. 156].

Program Learning Outcomes

The nursing philosophy supports the student learner outcomes of Human Flourishing, Nursing Judgment, Professional Identity and Spirit of Inquiry:

- **Human Flourishing:** Advocate for patients and families in ways that promote their self-determination, integrity, and ongoing growth as human beings.
- **Nursing Judgment:** Make judgments in practice, substantiated with evidence, that integrate nursing science in the provision of safe, quality care and promote the health of patients within a family and community context.
- **Professional Identity:** Implement one's role as a nurse in ways that reflect integrity, responsibility, ethical practices, and an evolving identity as a nurse committed to evidence-based practice, caring, advocacy, and safe, quality care for diverse patients within a family and community context.
- **Spirit of Inquiry:** Examine the evidence that underlies clinical nursing practice to challenge the status quo, question underlying assumptions, and offer new insights to improve the quality of care for patients, families, and communities.

The nursing process is foundational to the curricular framework defined by the National League for Nursing (2010) and adopted by Skagit Valley College ADN program. The nursing process consists of Assessment, Diagnosis, Planning, Implementation and Evaluation.

NURSING CURRICULUM AND GRADUATE OUTCOMES

The curriculum includes a strong foundation in communication, biological and social sciences, general education, and nursing courses. Students integrate theory and practice throughout the nursing program by combining their classroom work with skills laboratory and clinical experiences. The curriculum design reflects the nursing mission, philosophy, and program objectives. Faculty adopted the NLN Core Components and Competencies for Associate Degree Graduates (NLN 2010) as the organizing framework for the program. Each component was defined by SVC faculty; competencies for each course and for SVC ADN students were developed. The curriculum design provides the foundation for nursing theory course content, laboratory experiences on campus, patient care experiences in the clinical setting, and evaluation of student learning.

The goal of the Nursing program at Skagit Valley College is to educate and prepare students to practice nursing within varied health care settings. Nursing education will assist the student to promote optimal level of health and wellness for the individual, family, and community throughout the lifespan.

NURSING PROGRAM

Overview Program

The Nursing (NURS) program at SVC prepares students for a lifelong career in nursing practice. Nursing is one of the most diverse and exciting careers in today's health care field. It provides unlimited opportunities and numerous benefits for those who enter the profession. Nurses are employed in a variety of settings including hospitals, skilled and long-term care facilities, home health care agencies, medical offices, mental health facilities, and corrections. New technologies are continually developing in the health care field, offering exciting and challenging career opportunities.

Nursing is a demanding, rewarding profession that requires strong communication skills, excellent problem-solving abilities, focused concentration when performing a task, attention to detail, the ability to work well with others, and extensive knowledge of the sciences.

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Program Accreditation

Skagit Valley College's Registered Nursing program (RN) is approved by the Washington State Board of Nursing (WABON). The RN program is nationally accredited by the Accreditation Commission for Education in Nursing (ACEN). For further information, contact the organizations directly:

- WABON – 111 Israel Road SE, Tumwater, WA 98501; 360.236.4700 (call center); nursing@doh.wa.gov
- ACEN – 3390 Peachtree Road, NE, Suite 1400, Atlanta, GA 30326; acenursing.org

Program Admissions

PREREQUISITES

Requirements for all Nursing Programs:

10. Negative TB test, OR chest x-ray and clearance by Health Care Provider. Students must provide documentation by the end of first week of class.
11. Current American Heart Association Basic Life Support (BLS) card. A BLS card received through an internet-based training program is not acceptable for this program.
12. Annual Influenza vaccine (except summer quarter).
13. Additional requirements will be discussed if you are accepted into the RN program.

Program Re-entry

Students requesting re-entry to the Registered Nursing program must fulfill current re-entry requirements as specified by the SVC Nursing Re-Entry Policy. Re-entry is based on space availability, submission of reapplication materials, and Nursing faculty determination. A student who has a program interruption may be required to repeat some, if not all, nursing program courses if there have been curriculum changes or if the interruption has lasted greater than one year. Students will not be allowed to reenter the SVC Registered Nursing Program at either campus more than once for any reason. An exception will be made for student withdrawal due to military service. A student can apply for re-entry only once. If not granted, a student may not apply for new admission into the program after having been denied re-entry.

Specialized Program Information

CERTIFICATION/LICENSURE

Upon successful completion of the nursing certificate or degree program, Nursing program graduates are eligible to take the National Council Licensure Examination (NCLEX-RN) for registered nursing that is offered by the Washington State Board of Nursing (WABON). This computerized examination is individually scheduled at designated testing sites. Successful completion of the examination is required to be licensed as a registered nurse (RN). Passing a national licensing exam from the National Council of State Boards of Nursing (NCLEX-RN for RN) is required prior to working in the field, or pursuing advanced training and education (BSN, etc.) Graduates of the NAC program are eligible to take the Washington State competency examination to become a Certified Nursing Assistant.

SVC has not determined that the Nursing curriculum meets educational requirements for licensure/certification outside of Washington State. Students who plan to work in locations outside of Washington should check local state licensure and certification requirements.

Nursing Program Locations

The Nursing programs at SVC are offered at two campus locations: Mount Vernon Campus and Whidbey Island Campus (located in Oak Harbor).

Nursing Program Website

For the most current information about the Nursing program, specific program admission requirements, application documents, and deadlines, go to SVC's website at skagit.edu/nursing.

DEGREE AND CERTIFICATE OPTIONS

Associate in Pre-Nursing Transfer Agreement, DTA/MRP Degree (90 credits, full-time)

Students who complete this degree may also choose to apply for entrance into the Associate in Nursing DTA/MRP degree at SVC.

The Pre-Nursing Direct Transfer Agreement or Major Related Program (DTA/MRP) streamlines preparation for the basic Bachelor of Science in Nursing (BSN) pathway across the State. It does not, however, address the issue of significantly inadequate capacity (faculty, clinical opportunities, etc.) at the BSN level relative to workforce needs or current student interest. Due to high interest and limited space in BSN programs, admission to all BSN programs is highly competitive with many qualified applicants often finding themselves on waiting lists for admission.

BSN admission application deadlines vary; students must meet the deadline for the university or universities to which they plan to apply for admission to transfer.

Certain schools may have additional "university-specific" requirements for admission to the institution, not pre-requisites specifically identified in the DTA requirements, which will need to be completed prior to graduation. Contact with advisors from individual schools for institutional requirements is highly recommended since this DTA may not meet every institution-specific graduation requirement.

Associate in Nursing DTA/MRP Degree (135 credits, full-time)

The Nursing, Associate in Nursing, DTA/MRP prepares students who are highly educated, technically advanced, competent and caring individuals to practice professional nursing in a variety of settings. The full-time Registered Nursing program consists of six quarters with summers off. Attendance requirements are daytime lecture and lab classes, and both daytime and evening clinical experiences. Graduates of this program are eligible to take the examination for licensure as a registered nurse (NCLEX-RN). Passing the NCLEX-RN exam and completion of this transfer degree provide the general education and nursing courses for direct transfer with only one additional year of study to complete the Bachelor of Science in Nursing (RN-BSN pathway). Baccalaureate institutions part of this agreement include Washington State University, University of Washington, Western Washington University, Heritage University, Pacific

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Lutheran University, Seattle Pacific University, St. Martin's University, and Western Governors University.

All interested students must meet minimum academic qualifications to be considered for admission. Please see the nursing web page at www.skagit.edu/nursing for application requirements; both academic and non-academic.

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

Registered Nursing AAS Degree options (99 credits, full-time)

LPN LICENSE HOLDERS AND ADVANCED PLACEMENT

SVC offers a Nursing, Registered Nursing, AAS degree for nurses who have graduated from a PN program and have a current Washington State unencumbered LPN license. Advanced entry students will typically enter during the second quarter (NURS 181, NURS 182, NURS 183). Students complete the same RN program prerequisites and related education courses required for the ADN DTA/MRP Nursing degree. The program was designed to create a pathway for PN graduates to move into high-wage, high-demand career opportunities in healthcare.

ADVANCED PLACEMENT

SVC offers a Nursing, Registered Nursing, AAS degree for students who have previously taken RN courses at another institution and would like to complete their RN course work at SVC. Students complete the same RN program prerequisites and related education courses required for the ADN DTA/MRP Nursing degree. In addition, students applying for advanced entry must submit a letter of recommendation from the director, chair or last nursing instructor as well as Syllabi and Course Catalog information for previous RN courses taken. Decision for advanced placement is the responsibility of the Dean of Nursing and Allied Health. Depending on quarter of entry, graduates receive an Associate Degree (AAS) in Registered Nursing or an ADN DTA/MRP Nursing degree, and are eligible to apply for the State Licensing Examination (NCLEX-RN) for Registered Nursing. This is full-time and the number of quarters depends on placement.

NURSING ASSISTANT EDUCATION CERTIFICATE (10 CREDITS)

The Nursing Assistant program prepares students for employment as Nursing Assistants in hospitals, clinics, long-term care facilities, and home healthcare agencies. Additionally, this program prepares students for continuation into practical or registered nurse programs. Graduates of the program are eligible to take the Washington State competency examination to become a Nursing Assistant Certified. This is a Washington State approved, one quarter course, requiring 66 hours of classroom instruction and 77 hours of lab/clinical experience. Students must attend all scheduled classes and clinical experiences to meet State certification requirements.

Transfer

If you are considering a major in Nursing and transferring to:

- Central Washington University
- Eastern Washington University
- University of Washington
- UW Bothell
- Washington State University
- Western Washington University

The Program Map is designed to provide you with recommended courses to complete the Nursing Direct Transfer Major Related Program degree. The Nursing Major Related Program (MRP) helps prepare you to transfer by requiring specific courses in the first two years that can reduce the time it takes to complete the bachelor's degree in Nursing. Of course, educational plans may vary, based on which quarter you begin, how many credits are taken, placement into Math and English, and your preferred transfer institution. To keep you on the best pathway, we encourage you to consult with an Academic Advisor for scheduling options.

NURSING, ASSOCIATE IN NURSING, DTA/MRP

PLANNING GUIDE – TRANSFER DEGREE

Overview

This transfer degree is intended to prepare students for licensure as a registered nurse, as well as for entry into a Bachelor of Science in Nursing (BSN) completion degree. Although this Associates degree will be granted to SVC nursing students with a cumulative 3.0 GPA, entry into a BSN program may require a higher GPA for admission. Minimum GPA requirements are established by each receiving institution. Meeting SVC's minimum GPA requirements does not guarantee admission into a BSN program. Students should contact potential receiving institutions directly regarding their specific GPA requirements.

Note: SVC has not determined that the Nursing curriculum meets educational requirements for licensure/certification outside of Washington State. Students who plan to work in locations outside of Washington should check local state licensure and certification requirements.

Sample career options include:

- Registered Nurse
- Critical Care Nurse
- Acute Care Nurse

Degree Requirements

Students must complete 135 quarter credits in transferable courses numbered 100 or above with a cumulative grade point average of at least 3.0 in order to graduate from SVC with an Associate in Nursing DTA/MRP degree. At least 25 college-level credits must be earned at SVC. Credits must satisfy course requirements listed below.

Note: An ampersand (&) denotes Common Course Numbering

Note: An asterisk (*) indicates lab or skill/studio course.

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1. Communication Skills (10 cr.)

Five credits in English composition required. Remaining five credits may be used for an additional composition course or designated writing course or basic speaking skills course (e.g. speech, rhetoric, or debate). Select the five additional credits from the Associate of Arts Direct Transfer Agreement, AA-DTA Communication Skills list (also listed below). May be individualized based on baccalaureate college of choice.

- ENGL& 101–English Composition I (5)
- ENGL& 102–Composition II (5) *Strongly recommended; required for some bachelor's degrees. or one of the following:*
- CMST& 210–Interpersonal Communication: E (5)
- CMST& 220–Public Speaking (5)
- CMST& 230–Small Group Communication(1-5)
- ENGL 103–Advanced Composition (5)
- ENGL& 235–Technical Writing (5)

2. Quantitative Skills (5 cr.)

- MATH& 146–Introduction to Stats (5)

3. Integrative Learning Experience

Two Integrative Learning Experiences (ILE) are required. One ILE must be a Learning Community. The second ILE may be another Learning Community or an Integrative Experience.

- A Learning Community (LC) is the integrated combination of two or more courses from different areas of inquiry (e.g. sociology and literature, physics and math, etc.) Learning Communities are indicated in the course schedule.
- Integrative Experiences (IEs) are typically seminar courses in which students use an interdisciplinary approach for a specific topic or current issue (e.g. Ethics in Science). Integrative Experience seminars are indicated in the course schedule.

This requirement is satisfied by taking:

- SOC 191–Psychosocial Issues in Healthcare (5) and NURS 191–Nursing OB, Pediatrics, M/S-Skls Prac (3) **LECTURE**

then

- PHIL 291–Ethics and Policy in Healthcare (5) and NURS 291–Entry Nursing Practice/Practicum (1) **LECTURE**

4. Equity Requirement

The Equity requirement will take effect in the 25-26 catalog for the Nursing DTA. If an equity course is not offered in the required RN courses, students may apply for a waiver.

At least one Equity designated course is required for students pursuing an Associate in Science (AS-T) or an Associate Direct Transfer Agreement/Major Related Program (DTA/MRP) degree. Students should use the SVC online quarterly class schedule search or consult with their faculty

advisor or counselor to identify the appropriate course or group of courses that fulfills this requirement.

5. Distribution Requirements (60 cr.)

Curriculum requirements provide students with an understanding of and sensitivity to cultural differences other than their own is encouraged (required by WSU). This may include minority, non-Western ethnic, or other “area” studies. Select credits from three areas of study: Natural Science, Social Science and Humanities. Eligible courses for each distribution area are listed in the Distribution Lists–AA-DTA. These courses may also satisfy Integrative Learning Experience requirements. A specific course may be credited toward no more than one distribution requirement.

A. Humanities (15 cr.)

- PHIL 291–Ethics and Policy in Healthcare (5) (required)
- Select 10 credits in courses from at least two disciplines, with no more than 10 credits from one discipline. No more than 5 credits may be applied in world languages at the 100 level. No more than 5 credits may be applied in performance/skill studio courses.

B. Natural Sciences (30 cr.)

- BIOL& 160–General Biology w/Lab (5) *
- BIOL& 241–Human Anatomy and Physiology I (5) *
- BIOL& 242–Human Anatomy and Physiology II (5) *
- BIOL& 260–Microbiology (5) *
- CHEM& 121–Introduction to Chemistry (5) *
- NUTR& 101–Nutrition (5)

Note: Science courses must have been completed within the last 10 years as of application due date.

C. Social Sciences (15 cr.)

- PSYC& 100–General Psychology (5)
- PSYC& 200–Lifespan Psychology (5)
- SOC 191–Psychosocial Issues in Healthcare (5)

6. Nursing Core (60 cr.)

- NURS 171–Nursing Fundamentals-Skills and Pract (7) **LECTURE**
- NURS 172–Nursing Fundamentals-Skills and Pract (2) **CLINICAL**
- NURS 173–Nursing Fundamentals-Skills and Pract (3) **LAB**
- NURS 181–Nursing M/S Patient-Practicum (6) **LECTURE**
- NURS 182–Nursing M/S Patient-Practicum (5) **CLINICAL**
- NURS 183–Nursing M/S Patient-Practicum (1) **LAB**

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- NURS 191–Nursing OB, Pediatrics, M/S-Skls Prac (3)
LECTURE
- NURS 192–Nursing OB, Pediatrics, M/S-Skls Prac (4)
– *concurrent enrollment in SOC 191–Psychosocial Issues in Healthcare (5) required*
CLINICAL
- NURS 271–Nursing Advncd OB, Ped, M/S-Skls Prac (5)
LECTURE
- NURS 272–Nursing Advncd OB, Ped, M/S-Skls Prac (5)
CLINICAL
- NURS 273–Nursing Advncd OB, Ped, M/S-Skls Prac (2)
LAB
- NURS 281–Nursing Complx M/S& Geriatric Patient (5)
LECTURE
- NURS 282–Nursing Complx M/S& Geriatric Patient (5)
CLINICAL
- NURS 291–Entry Nursing Practice/Practicum (3)
LECTURE
- NURS 292–Entry Nursing Practice/Practicum (4)
– *concurrent enrollment in PHIL 291–Ethics and Policy in Healthcare (5) required*
CLINICAL

Program Map

Program Maps are an integral part of your successful pathway to your chosen degree. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Academic Advisor to schedule courses and develop your personal Educational Plan.

70 credits, full-time

FIRST YEAR

1st Quarter

- NURS 171–Nursing Fundamentals-Skills and Pract (lecture) (7)
- NURS 172–Nursing Fundamentals-Skills and Pract (clinical) (2)
- NURS 173–Nursing Fundamentals-Skills and Pract (lab) (3)

TOTAL CREDITS: 12

2nd Quarter

- NURS 181–Nursing M/S Patient-Practicum (lecture) (6)
- NURS 182–Nursing M/S Patient-Practicum (clinical) (5)
- NURS 183–Nursing M/S Patient-Practicum (lab) (1)

TOTAL CREDITS: 12

3rd Quarter

- NURS 191–Nursing OB, Pediatrics, M/S-Skls Prac (lecture) (3)
- NURS 192–Nursing OB, Pediatrics, M/S-Skls Prac (clinical) (4)
- SOC 191–Psychosocial Issues in Healthcare (5)

TOTAL CREDITS: 12

SECOND YEAR

4th Quarter

- NURS 271–Nursing Advncd OB, Ped, M/S-Skls Prac (lecture) (5)
- NURS 272–Nursing Advncd OB, Ped, M/S-Skls Prac (clinical) (5)
- NURS 273–Nursing Advncd OB, Ped, M/S-Skls Prac (lab) (2)

TOTAL CREDITS: 12

5th Quarter

- NURS 281–Nursing Complx M/S and Geriatric Patient (lecture) (5)
- NURS 282–Nursing Complx M/S and Geriatric Patient (clinical) (5)

TOTAL CREDITS: 10

6th Quarter

- NURS 291–Entry Nursing Practice/Practicum (lecture) (3)
- NURS 292–Entry Nursing Practice/Practicum (clinical) (4)
- PHIL 291–Ethics and Policy in Healthcare (5)

TOTAL CREDITS: 12

NURSING, ASSOCIATE IN PRE-NURSING, DTA/MRP

PLANNING GUIDE – TRANSFER DEGREE

Overview

The Associate in Pre-Nursing Direct Transfer Agreement or Major Related Program (DTA/MRP) streamlines preparation for the basic BSN pathway by ensuring students complete prerequisite courses for pre-licensure BSN programs (programs that do not require a nursing license for admission) at participating colleges and universities. Due to high interest and limited space in BSN programs, admission to all BSN programs is highly competitive with many qualified applicants, including non-transfer and transfer students, often finding themselves on admission waiting lists. Therefore, students pursuing the Pre-Nursing DTA/MRP should be informed that their DTA associate degree is highly transferable to all public (and many private) baccalaureate colleges and universities.

BSN admission application deadlines vary; students must meet the deadline for the university or universities to which they plan to apply for admission to transfer.

Certain schools may have additional “university-specific” requirements for admission to the institution, not pre-requisites specifically identified in the DTA requirements, which will need to be completed prior to graduation. Contact with advisors from individual schools for institutional requirements is highly recommended since this DTA may not meet every institution-specific graduation requirement.

Students who complete this degree may also choose to apply for entrance into the Nursing, Associate in Nursing, DTA/MRP degree at Skagit Valley College.

Sample career options include:

- Registered Nurse
- Critical Care Nurse
- Acute Care Nurse

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Transfer

If you are considering a major in Nursing and transferring to...

- Pacific Lutheran University
- Seattle Pacific
- Seattle University
- University of Washington
- Walla Walla College
- Washington State University

The Transfer Program Planning Guide is designed to provide you with recommended courses to complete your Pre-Nursing Direct Transfer Major Related Program degree. The Pre-Nursing Major Related Program (MRP) helps prepare you to transfer by requiring specific courses in the first two years that can reduce the time it takes to complete the bachelor's degree in Nursing. Of course, educational plans may vary, based on which quarter you begin, how many credits are taken, placement into Math and English, and your preferred transfer institution. To keep you on the best pathway, we encourage you to consult with an Academic Advisor for scheduling options.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

95 credits, full-time

FIRST YEAR

1st Quarter

- CSS 103 – First Quarter Experience (2)
- ENGL& 101 – English Composition I (5)
- MATH& 146 – Introduction to Stats (5)
- CMST& 210 – Interpersonal Communication: E (5)

TOTAL CREDITS: 17

2nd Quarter

- CHEM& 121 – Introduction to Chemistry (5)
- ENGL& 102 – Composition II (5)
- PSYC& 100 – General Psychology (5)

TOTAL CREDITS: 15

3rd Quarter

- BIOL& 160 – General Biology w/Lab (5)
- CMST& 220 – Public Speaking (5)
- PSYC& 200 – Lifespan Psychology (5)

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- BIOL& 241 – Human Anatomy and Physiology I (5)
 - NUTR& 101 – Nutrition (5)
 - Humanities course (5), preferably in Learning Community format.
- See Distribution Lists–AA-DTA requirements, [p. 151].**
Discuss specific course requirements with an SVC advisor.
Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

5th Quarter

- BIOL& 242 – Human Anatomy and Physiology II (5)
- PE 100 – Wellness For Life (1)
- PE Activity (1)
- Elective (5)

See Distribution Lists–AA-DTA requirements, [p. 151].

Discuss specific course requirements with an SVC advisor.

Students are responsible for checking specific major requirements of baccalaureate institutions.

- Humanities course (5), preferably in Learning Community format.

See Distribution Lists–AA-DTA requirements, [p. 151].

Discuss specific course requirements with an SVC advisor.

Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 17

6th Quarter

- BIOL& 260 – Microbiology (5)
- CHEM& 131 – Introduction to Organic/Biochemistry (5)
- SOC& 101 – Intro to Sociology: E (5)
- PE Activity (1)

TOTAL CREDITS: 16

EDUCATION TRANSFER

ASSOCIATE OF EDUCATION, A.ED.

Overview

The Associate of Education-Early Childhood Education (A.Ed.) degree offers the needed preparation in critical education content to prepare students for employment as paraeducators upon graduation. The A.Ed. also prepares students for future transfer to a four-year college or university. The Associate of Education degree coursework is equivalent to a major relating to early childhood education and meets the requirements of employers, especially public school districts.

This degree includes prescriptive coursework necessary to:

- Provide foundational preparation in the field of education.
- Prepare students to apply for baccalaureate teacher preparation programs, such as Western Washington University's Woodring College of Education's Undergraduate Elementary Education Professional Program.
- Fulfill the 75 credits of unrestricted general education requirements of the Associate of Arts, Direct Transfer Agreement, AA-DTA.

Sample career options include:

- Preschool Teachers
- Education Administrators, Preschool and Childcare Center/Program
- Childcare Workers

Degree Option:

Upon completion of the A.Ed. requirements, students are eligible to apply to be awarded the Associate of Arts, Direct

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Transfer Agreement, AA-DTA. The A.Ed. degree will be granted to SVC students completing with a cumulative 2.0 GPA. Entry into a baccalaureate program will require a higher GPA for admission. This degree does not guarantee admission into the major. Early advising is important to ensure degree completion. Students are responsible for checking specific major requirements of baccalaureate institutions in the year prior to transferring.

Learning Outcomes

General Education Learning Outcomes, [p. 156].

Program Learning Outcomes

Graduates of the Associate in Education program will be able to:

- Use knowledge of key child development theories and current research to analyze and understand children's perspectives, behavior, and development. (EDUC 115)
- Develop strategies for connecting with and supporting the child and family that recognize the interconnectedness of the child, family, and community and the impacts of culture and structural inequity on their lives. (EDUC 150)
- Use observation and documentation as tools to understand the development, learning, and behavior of young children and use that knowledge for curriculum development. (ECED 190)
- Use effective teaching strategies that adapt and change to meet student's needs. (EDUC 223)
- Create engaging curriculum that is based on knowledge of children's developmental needs, established learning outcomes, and children's interests. (ECED 160)

Program Admissions

Students may enter the program at the beginning of any quarter. For specific information, contact Enrollment Services or the Department Chair.

According to Washington State law RCW 43.43.830, any person with a positive criminal history for "crimes against persons" is not allowed to work with children. Background checks of criminal history are required of all students who work with children in any setting. Participants in this program will be required to complete a background check with a local school district.

Specialized Program Information:

WORK-BASED LEARNING

Students will complete EDUC 223–Practicum and Seminar toward the end of their degree. This requires the student to volunteer weekly in a K-3rd grade classroom. In order to volunteer in a school, you must successfully pass a criminal background check. Students with a criminal background should complete a background check prior to enrolling in the program to make sure that they will be able to complete the practicum requirement and gain employment after graduation.

Degree Requirements

Students must complete a minimum of 90 quarter credits in transferable courses numbered 100 or above with a cumulative grade point average of at least 2.0 in order to graduate from SVC with an Associate of Arts degree. Credits must satisfy requirements listed below. A minimum of 60 quarter hours of general education courses are required. At least 25 college-level credits must be earned at SVC with a minimum GPA of 2.0. Students should check specific admission and program requirements and application deadlines to assist in successful transfer to a four-year institution. College counselors and academic faculty can advise students of special lower division requirements, including which courses fulfill **Distribution Lists–AA-DTA requirements**, [p. 151].

Note: An ampersand (&) denotes Common Course Numbering

1. First Quarter Experience (2 cr.)

- CSS 103–First Quarter Experience (2)

2. Communication Skills (15 cr.)

- ENGL& 101–English Composition I (5)
and one of the following:
- CMST& 210–Interpersonal Communication: E (5)
- CMST& 220–Public Speaking (5)
- CMST& 230–Small Group Communication (5)
- ENGL& 102–Composition II (5)
- ENGL 103–Advanced Composition (5)
- ENGL& 235–Technical Writing (5)

3. Quantitative Skills (5 cr.)

Select one course from the following:

- MATH& 107–Math in Society (5)
- MATH& 141–Precalculus I (5)
- MATH& 142–Precalculus II (5)
- MATH& 146–Introduction to Stats (5)
- MATH& 148–Business Calculus (5)
- MATH& 151–Calculus I (5)
- MATH& 152–Calculus II (5)
- MATH& 153–Calculus III (5)

4. Physical Education (3 cr.)

- PE 100–Wellness For Life (1)
- PE 103–Wellness Movement (2)

Note: A maximum of three PE Activities credits can be used for the DTA: two credits for PE requirement and one additional credit toward restricted or "gray area" electives.

PE 100 may also be taken with other activity courses, excluding PE 200.

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5. Integrative Learning Experiences

Two Integrative Learning Experiences (ILE) are required. One ILE must be a Learning Community. The second ILE may be another Learning Community or an Integrative Experience.

- A Learning Community (LC) is the integrated combination of two or more courses from different areas (for example, sociology and literature, or physics and math, or speech and economics, or composition and philosophy). Learning Communities are indicated in the course schedule.
- Integrative Experiences (IEs) are curricular or co-curricular experiences designed by faculty in which students demonstrate their ability to integrate information, concepts, analytical frameworks, and skills from two or more areas in a purposeful project or experience. Integrative Experiences that are classes are indicated in the course schedule; co-curricular IEs are indicated in promotion and advising for the experience or project. Students may design a Learning into Action IE under the guidance of the supervising faculty member.

6. Equity Requirement

At least one Equity designated course is required for students pursuing an Associate in Science (AS-T), or an Associate Direct Transfer Agreement/Major Related Program (DTA/MRP) degree. Students should use the SVC online quarterly class schedule search or consult with their faculty advisor or counselor to identify courses that fulfill this requirement. See the list Equity Degree Requirement for the courses that fulfill this requirement.

7. Distribution Requirements (45 cr.)

See Distribution Lists–AA-DTA requirements, [p. 151].
Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

Select credits from three areas of study: Natural Sciences, Social Sciences, and Humanities. A specific course may be credited toward no more than one distribution requirement.

8. Electives (22-25 cr.)

In order to accumulate 90 college-level (100 or higher) credits for the degree, students will need additional elective credits. Students may select electives from the **Distribution Lists–AA-DTA requirements, [p. 151]**. (Natural Sciences, Social Sciences, Humanities), other academic courses, or a maximum of 15 credits from **Gray Area courses, [p. 66]**. A maximum of nine Family Life credits may be counted as Gray Area electives. HMATH 100 and WMATH 100 cannot be included in elective credits for the degree..

111 credits

FIRST YEAR

1st Quarter

- CSS 103–First Quarter Experience (2)
- ECED& 105–Introduction to Early Childhood Education (5)
- ECED& 120–Nurturing Relationships (2)
- ENGL& 101–English Composition I (5)

TOTAL CREDITS: 14

2nd Quarter

- ECED& 107–Health, Safety, and Nutrition (5)
- EDUC& 115–Child Development (5)
- EDUC& 130–Guiding Behavior (3)
- NUTR& 101–Nutrition (5)

TOTAL CREDITS: 18

3rd Quarter

- ECED& 190–Observation and Assessment (3)
- EDUC& 150–Child, Family, and Community (3)
- ENGL& 102–Composition II (5)
- MATH 099–Intermediate Algebra II (5)

TOTAL CREDITS: 16

4th Quarter (Summer)

- CMST& 220–Public Speaking (5)
- PE 100–Wellness For Life (1)
- Specialization (3)
 Specialization course options: ECED 132, ECED 134, ECED 139, ECED 170, or EDUC 136.

TOTAL CREDITS: 9

SECOND YEAR

5th Quarter

- ECED& 160–Curriculum Development (5)
- ECED& 180–Language and Literacy Development (3)
- PHYS 111–Matter and Energy in Physics (5)
- SPAN& 121–Spanish I (5)

TOTAL CREDITS: 18

6th Quarter

- ECED 101–Child Abuse and Neglect (2)
- EDUC& 203–Exceptional Child (3)
- MATH& 107–Math in Society (5)
- SOC 204–Introduction to Stratification and Inequality in America: E (5)

TOTAL CREDITS: 15

7th Quarter

- EDUC 223–Practicum and Seminar (5)
- Natural Science course (5)

See Distribution Lists–AA-DTA requirements, [p. 151].

Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

- PE Activity (1)
- Social Science course (5)

See Distribution Lists–AA-DTA requirements, [p. 151].

Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

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8th Quarter

- Humanities course (5)
See Distribution Lists—AA-DTA requirements, [p. 151].
Discuss specific course requirements with an SVC advisor.
Students are responsible for checking specific major requirements of baccalaureate institutions.
 - PE Activity (1)
- TOTAL CREDITS: 6**

EDUCATION PARAPROFESSIONAL, A.ED.

Overview

The Associate in Education—Education Paraprofessional (A.Ed.) degree offers the needed preparation in critical education content to prepare students for employment as paraeducators upon graduation. It also prepares students for future transfer to a four-year college or university. The A.Ed. coursework is equivalent to a major relating to education and meets the requirements of employers, especially public school districts for paraeducator positions.

This degree includes prescriptive coursework necessary to:

- Provide foundational preparation in the field of education.
- Prepare students to apply for baccalaureate teacher preparation programs, such as the Western Washington University Woodring College of Education's Undergraduate Elementary Education Professional Program.
- Fulfill the 75 credits of unrestricted general education requirements of the Associate of Arts, Direct Transfer Agreement, AA-DTA.

Sample career options Include:

- Education Professional
- Public School Migrant Liason
- School Age Care Supervisor

Degree Options

Upon completion of the A.Ed. requirements, students are eligible to apply to be awarded the Associate of Arts, Direct Transfer Agreement, AA-DTA. Students completing the Associate in Education- Education Paraprofessional, A.Ed. degree must complete all of the General Education requirements for the AA-DTA, except for the Communication Studies requirement. The A.Ed. degree will be granted to SVC students completing with a cumulative 2.0 GPA. Entry into a baccalaureate program will require a higher GPA for admission. This degree does not guarantee admission into the major. Early advising is important to ensure degree completion. Students are responsible for checking specific major requirements of baccalaureate institutions in the year prior to transferring.

Learning Outcomes

General Education Learning Outcomes, [p. 156].

Program Learning Outcomes

Graduates of the Associate in Education—Education Paraprofessional program will be able to:

- Use knowledge of key child development theories and current research to analyze and understand children's perspectives, behavior, and development.
- Develop strategies for connecting with and supporting the child and family that recognize the interconnectedness of the child, family, and community and the impacts of culture and structural inequity on their lives.
- Use effective teaching strategies that adapt and change to meet student's needs.
- Demonstrate methods and strategies that are effective in meeting the learning needs of Dual Language Learners.
- Communicate effectively with colleagues and participate in an educational team.

Program Admissions

Students may enter the program at the beginning of any quarter. For specific information, contact Enrollment Services or the Department Chair.

According to Washington State law RCW 43.43.830, any person with a positive criminal history for "crimes against persons" is not allowed to work with children. Background checks of criminal history are required of all students who work with children in any setting. Participants in this program will be required to complete a background check with a local school district.

Students will complete EDUC 223—Practicum and Seminar toward the end of their degree. This requires the student to volunteer weekly in a K-3rd grade classroom. In order to volunteer in a school, you must successfully pass a criminal background check. Students with a criminal background should complete a background check prior to enrolling in the program to make sure that they will be able to complete the practicum requirement and gain employment after graduation.

Specialized Program Information

WORK-BASED LEARNING

Students will complete EDUC 101: Paraeducator Basics, at the beginning of their degree. This requires the student to volunteer weekly in a K-8 classroom. In order to volunteer in this program, you must successfully pass a criminal background check. Students with a criminal background should complete a background check prior to enrolling in the program to make sure that they will be able to complete the practicum requirement and gain employment after graduation.

During most quarters of the program, students will be required to complete lab hours in a school or other educational setting. Students are encouraged to apply for entry level work in the education field so that they can complete their required lab hours in their workplace. Students will be required to spend 2-4 hours a week in a school or other educational setting in order to successfully complete their coursework.

Students will complete EDUC 223: Practicum and Seminar, toward the end of their degree. This requires the student to volunteer weekly in a K-3rd grade classroom. In order to volunteer in a school, you must successfully pass a criminal background check.

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This course requires students to volunteer 12 hours a week during school hours. It is essential that you plan your work and family life so that you are able to complete the required practicum hours during the school day (8:30 am-3:00 pm).

Transfer and Degree Requirements

If you are considering a major in this emphasis by transferring to a four-year college or university in Washington State, our Sample Schedule is designed to provide you with faculty recommended courses to complete your Associate of Arts Direct Transfer Agreement, AA-DTA degree.

Your personal Educational Plan will vary based on many factors including:

- The quarter you begin;
- How many classes/credits you can take in each quarter;
- Your Math and English placement;
- If you have credits you have already taken and plan to transfer them to SVC, visit the **Enrollment Services** webpage;
- The college you are interested in transferring to;
- Other factors.

To keep you on the best pathway, we encourage you to consult with the institution you want to transfer to as well as an SVC Academic Advisor, who will work with you to create a personalized Educational Plan and schedule that takes these factors into account.

Students must complete a minimum of 90 quarter credits in transferable courses numbered 100 or above with a cumulative grade point average of at least 2.0 in order to graduate from SVC with an Associate of Arts degree. Credits must satisfy requirements listed below. A minimum of 60 quarter hours of general education courses are required. At least 25 college-level credits must be earned at SVC with a minimum GPA of 2.0. Students should check specific admission and program requirements and application deadlines to assist in successful transfer to a four-year institution. College counselors and academic faculty can advise students of special lower division requirements, including which courses fulfill **Distribution Lists-AA-DTA requirements, [p. 151]**.

Note: An ampersand (&) denotes Common Course Numbering

1. First Quarter Experience (2 cr.)

- CSS 103–First Quarter Experience (2)

2. Communication Skills (15 cr.)

- ENGL& 101–English Composition I (5)
and one of the following:
- CMST& 210–Interpersonal Communication: E (5)
- CMST& 220–Public Speaking (5)
- CMST& 230–Small Group Communication (5)
- ENGL& 102–Composition II (5)
- ENGL 103–Advanced Composition (5)
- ENGL& 235–Technical Writing (5)

3. Quantitative Skills (5 cr.)

Select one course from the following:

- MATH& 107–Math in Society (5)
- MATH& 141–Precalculus I (5)
- MATH& 142–Precalculus II (5)
- MATH& 146–Introduction to Stats (5)
- MATH& 148–Business Calculus (5)
- MATH& 151–Calculus I (5)
- MATH& 152–Calculus II (5)
- MATH& 153–Calculus III (5)

4. Physical Education (3 cr.)

- PE 100–Wellness For Life (1)
- PE 103–Wellness Movement (2)

Note: A maximum of three PE Activities credits can be used for the DTA: two credits for PE requirement and one additional credit toward restricted or “gray area” electives.

PE 100 may also be taken with other activity courses, excluding PE 200.

5. Integrative Learning Experiences

Two Integrative Learning Experiences (ILE) are required. One ILE must be a Learning Community. The second ILE may be another Learning Community or an Integrative Experience.

- A Learning Community (LC) is the integrated combination of two or more courses from different areas (for example, sociology and literature, or physics and math, or speech and economics, or composition and philosophy). Learning Communities are indicated in the course schedule.
- Integrative Experiences (IEs) are curricular or co-curricular experiences designed by faculty in which students demonstrate their ability to integrate information, concepts, analytical frameworks, and skills from two or more areas in a purposeful project or experience. Integrative Experiences that are classes are indicated in the course schedule; co-curricular IEs are indicated in promotion and advising for the experience or project. Students may design a Learning into Action IE under the guidance of the supervising faculty member.

6. Equity Requirement

At least one Equity designated course is required for students pursuing an Associate in Science (AS-T), or an Associate Direct Transfer Agreement/Major Related Program (DTA/MRP) degree. Students should use the SVC online quarterly class schedule search or consult with their faculty advisor or counselor to identify courses that fulfill this requirement. See the list Equity Degree Requirement for the courses that fulfill this requirement.

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7. Distribution Requirements (45 cr.)

See Distribution Lists–AA-DTA requirements, [p. 151].

Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

Select credits from three areas of study: Natural Sciences, Social Sciences, and Humanities. A specific course may be credited toward no more than one distribution requirement.

8. Electives (22-25 cr.)

In order to accumulate 90 college-level (100 or higher) credits for the degree, students will need additional elective credits. Students may select electives from the **Distribution Lists–AA-DTA requirements, [p. 151]**. (Natural Sciences, Social Sciences, Humanities), other academic courses, or a maximum of 15 credits from **Gray Area courses, [p. 66]**.

A maximum of nine Family Life credits may be counted as Gray Area electives. HMATH 100 and WMATH 100 cannot be included in elective credits for the degree.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

96 credits

FIRST YEAR

1st Quarter

- EDUC 101–Paraeducator Basics (3)
- EDUC& 202–Introduction to Education (5)
- CSS 103–First Quarter Experience (2)
- ENGL& 101–English Composition I (5)

Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.

TOTAL CREDITS: 15

2nd Quarter

- EDUC& 115–Child Development (5)
- EDUC& 130–Guiding Behavior (3)
- ECED 101–Child Abuse and Neglect (3)
- NUTR& 101–Nutrition (5)

TOTAL CREDITS: 15

3rd Quarter

- EDUC& 150–Child, Family, and Community (3)
- EDUC 246–Working with Bilingual Children (3)
- MATH 099–Intermediate Algebra II (5)
- SPAN& 121–Spanish I (5)

TOTAL CREDITS: 16

SECOND YEAR

4th Quarter

- ART& 100–Art Appreciation (5)
or any Humanities course (5)

See Distribution Lists–AA-DTA requirements, [p. 151].

for elective course options in *Natural Sciences, Social Sciences, & Humanities*. Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 5

5th Quarter

- CMST& 220–Public Speaking (5)
- MATH& 107–Math in Society (5)
- PHYS 111–Matter and Energy in Physics (5)
- PE Activity (1)

TOTAL CREDITS: 16

6th Quarter

- EDUC& 203–Exceptional Child (3)
- ENGL& 102–Composition II (5)
- PE 100–Wellness For Life (1)
- SOC 204–Introduction to Stratification and Inequality in America: E (5)

TOTAL CREDITS: 14

7th Quarter

- EDUC 223–Practicum and Seminar (1-5) (4)
- PE Activity (1)
- Social Science (5)

See Distribution Lists–AA-DTA requirements, [p. 151].

- Science (5)

See Distribution Lists–AA-DTA requirements, [p. 151].

Discuss specific course requirements with an SVC advisor.

Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

ASSOCIATE IN APPLIED SCIENCE DEGREES

ASSOCIATE IN APPLIED SCIENCE, AAS

Overview

The Associate in Applied Science (AAS) degree is designed for students who are preparing to enter a career field. Although certain courses in this degree may transfer to baccalaureate institutions, students are advised that many courses in this degree are not usually transferable because of their specialized nature. Students interested in continuing their studies after earning the AAS degree are encouraged to consult with a counselor or the department chair as well as the intended transfer institution for specific transfer options available.

The Washington State Board for Community and Technical Colleges considers the following workforce degrees as equivalent:

- Associate of Applied Science (AAS)
- Associate of Technical Arts (ATA)
- Associate of Applied Technology (AAT)
- Associate of Technical Science (ATS)

6 GENERAL DEGREE/PROGRAM INFORMATION

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Transfer

Central Washington University: Information Technology and Administrative Management accepts all Professional/Technical AAS and AAS-T degrees for transfer subject to CWU-ITAM general admissions criteria.

- **Central Washington University:** Information Technology and Administrative Management—accepts all Professional/Technical AAS and AAS-T degrees for transfer subject to CWU-ITAM general admissions criteria.
- **City University:** AAS degree program transcripts are individually reviewed for transferability and BA completion requirements.
- **Eastern Washington University:** AAS degree program transcripts are individually reviewed for transferability and BA completion requirements.
- **The Evergreen State College:** AAS degree program transcripts are individually reviewed for transferability and BA completion requirements.
- **Montana State University-Northern:** Diesel Power Technology, AAS.
- **Trinity Western University—Bellingham:** Human Services Generalist or Human Services-Substance Use Disorder (SUD) Counseling Emphasis, AAS degrees.
- **University of Phoenix:** Reviews each AAS-T and AAS degree program individually for transferability and BA completion requirements.
- **Washington Polytechnic Institute (WAPOLY):** BS Mechanical Engineering Technician Program: Manufacturing—Engineering Technology, AAS degree.
- **Washington State University-Human Development:** Early Childhood Education AAS.
- **Western Washington University—Fairhaven College:** Any AAS degree that is also offered as an academic major at WWU.

Learning Outcomes

General Education Learning Outcomes, [p. 156]
Program Learning Outcomes, [p. 156]

Degree Requirements

To graduate from SVC with an Associate in Applied Science (AAS) degree, students must complete a minimum of 90 credits with a minimum cumulative GPA of 2.0 including a technical major and related education requirements. At least 25 core program credits must be earned at SVC with a minimum GPA of 2.0. The student's declared major must have approval of the Dean of Professional/Technical Education and the Department Chair of the technical field. To receive an Associate in Applied Science Degree, students must satisfy requirements listed below.

Note: An ampersand (&) denotes Common Course Numbering

1. First Quarter Experience (2 cr.)

- CSS 103—First Quarter Experience (2)

2. Communication Skills (3-5 cr.)

- ENGL& 101, ENGL 170 (3-5 cr.) or another specific communication course as designated by the Professional/Technical department chair.
- CMST& 210:E, CMST 125 (3-5 cr.) or another specific communication course as designated by the Professional/Technical department chair. Specific course options in this category are designated within each major.

3. Quantitative Skills (5 cr.)

- WMATH 100 (5): Alternate courses of an equal or higher number may be substituted in some majors.

4. Physical Education (2 cr.)

- PE 200—First Aid, Safety, and CPR (2)
or PE 100 (1) plus one activity credit

Note: Choice determined by program. Check with the department chair.

5. Human Relations Skills (3-5 cr.)

- CMST 125—Professional Communication (3)
or choose one from the following:
- CMST& 210—Interpersonal Communication: E (5)
- CMST& 220—Public Speaking (5)
- A specific course designated by the department chair

6. Cooperative Education (1-15 cr.)

Cooperative Education courses are listed as 199 courses. Students will complete 30 hours of work at a supervised site for each credit received. Concurrent enrollment in Cooperative Education seminars or equivalent is required. Students may earn 1 to 15 credits toward this degree requirement. Approval of the department chair is required for enrollment in all 199 courses. See program for specific requirements.

7. Equity Requirement

An Equity designated course is required for students pursuing an Associate in Arts (AAS), an Associate in Science (AS-T), or an Associate Direct Transfer Agreement/Major Related Program (DTA/MRP) degree. Students should use the SVC online quarterly class scheduled search or consult with their faculty advisor or counselor to identify courses that fulfill this requirement.

ASSOCIATE IN APPLIED SCIENCE—TRANSFER, AAS-T

Overview

The Associate of Applied Science-Transfer (AAS-T) degree builds on the technical courses required for job preparation by including a college-level general education component. The distinguishing characteristic of the AAS-T degree is a minimum of 20 credits of general education drawn from the same list as those taken by students completing the Associate of Arts,

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Direct Transfer Agreement, AA-DTA, the Science, Associate in Science, Transfer Track #1 (Biology, Chemistry, Earth Science, Environmental Science, Geology), AS-T, and the Science, Associate in Science, Transfer Track #2 (Engineering, Physics), AS-T degrees.

IMPORTANT CONSIDERATIONS:

AAS-T courses are designed for immediate employment AND as preparation for certain bachelor degree programs. The AAS-T is fully transferrable ONLY when the receiving college or university has a special agreement (articulation) in place with Skagit Valley College. The AAS-T degree is not automatically accepted in transfer in preparation for Bachelor of Arts or Bachelor of Science programs; however, individual courses may be accepted in transfer.

Transfer

- **Bellingham Technical College:** Engineering Technology AAS-T.
- **Central Washington University:** Information Technology and Administrative Management: accepts all Professional/Technical AAS and AAS-T degrees for transfer subject to CWU-ITAM general admissions criteria.
- **Eastern Oregon University:** The BS Fire Services Administration program accepts the Fire Protection Technology, AAS-T degree for transfer.
- **University of Phoenix:** Reviews each AAS-T and AAS degree program individually for transferability and BA completion requirements.

Program Learning Outcomes

General Education Learning Outcomes, [p. 156].

Degree Requirements

To graduate from SVC with an Associate in Applied Science-Transfer (AAS-T) degree, students must complete a minimum of 90 credits with a minimum cumulative GPA of 2.0 including a technical major and related education requirements. At least 25 core program credits must be earned at SVC with a minimum GPA of 2.0. The student's declared major must have approval of the Dean of Professional/Technical Education and the Department Chair of the technical field. To receive an Associate in Applied Science-Transfer Degree, students must satisfy requirements listed below.

All courses in the AAS-T general education component are generally transferable where a special agreement (articulation) is in place with Skagit Valley College. They also assure that the student has a foundation in communication and quantitative skills as well as an introduction in science, social science and humanities. These courses may also serve the dual purpose of meeting industry requirements for job preparation.

A minimum of 20 credits must include the following:

- 5 credits in Communication—ENGL 101-English Composition.
- 5 credits in math—Any transferable math course with Intermediate Algebra as the prerequisite.

- 10 credits in Science, Social Science or Humanities—Courses selected from the **Distribution Lists—AA-DTA requirements, [p. 151]**, are generally accepted. These courses may also meet the human relations requirement for technical degrees.

1. First Quarter Experience (2 cr.)

- CSS 103—First Quarter Experience (2)

2. Communication Skills (5 cr.)

- ENGL& 101—English Composition I (5)

3. Quantitative Skills (5 cr.)

- MATH& 107—Math in Society (5) or higher

4. Physical Education (2 cr.)

- PE 200—First Aid, Safety, and CPR (2)
or PE 100—Wellness For Life (1)
plus one activity credit (choice determined by program)

5. Human Relations Skills (5 cr.)

- CMST& 210—Interpersonal Communication: E (5)
or CMST& 220—Public Speaking (5)

6. Cooperative Education (1-15 cr.)

Cooperative Education courses are listed as 199 courses. Students will complete 30 hours of work at a supervised site for each credit received. Concurrent enrollment in Cooperative Education seminars or equivalent is required. Students may earn 1 to 15 credits toward this degree requirement. Approval of the department chair is required for enrollment in all 199 courses. See program for specific requirements.

ADVANCED MANUFACTURING AND DESIGN

Overview

The SVC Advanced Manufacturing and Design (MANF) program provides the foundational skills needed for many entry-level manufacturing jobs by introducing students to key workplace skill areas found in advanced manufacturing-related industries. Students will develop skills in several areas including quality and lean manufacturing, computer aided design (CAD), computer numeric control (CNC), automation and composite technologies. This program gives students an opportunity to learn and refine these skills with hands-on training in a working production lab. The program includes a certificate option (all the first year courses of the two-year degree) and a degree pathway for an AAS degree upon completion of second year courses. Upon completion of the AAS degree, students are eligible to apply to the Advanced Manufacturing and Design bachelor's degree program.

Program Learning Outcomes

General Education Learning Outcomes, [p. 156].

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Graduates of the Advanced Manufacturing and Design program will be able to:

- Demonstrate the ability to participate, contribute, and work effectively in teams.
- Demonstrate instrument precision methods, the tools of quality control and lean manufacturing and how they are applied in the workplace.
- Use computer technology to develop, interpret, and communicate technical information and specifications.
- Demonstrate the proficiency in basic AC/DC theory and electrical control.
- Demonstrate the proficient application of composite manufacturing methods, materials and tools.

Program Admissions

Please apply at Enrollment Services. Students may enter the Manufacturing Technology program at the beginning of Fall quarter. Advanced standing may be requested for prior education or experience. All courses in this program require extensive reading and use of computer technology. The ability to read English at the 8th grade level or above is highly recommended. Students should be familiar with the use of computer technology. For further information, contact the Department Chair or Enrollment Services.

Specialized Program Information

CAREER AND TECHNICAL EDUCATION (CTE)

Please see *Academic Information*, [p. 272], for information regarding CTE.

Degree and Certificate Options

ASSOCIATE IN APPLIED SCIENCE DEGREE

An Associate in Applied Science Degree, AAS is awarded upon completion of a minimum of 90 credits of specified technical and related education coursework above 100-level with both an overall 2.0 grade point average (GPA) and a 2.0 grade point average in the technical major with a minimum letter grade of C- or above in all required courses.

ADVANCED MANUFACTURING AND DESIGN, AAS

The Advanced Manufacturing and Design AAS degree is designed to focus on the technical and “pre-engineering” knowledge needed in a modern manufacturing facility. Upon completion, students will be equipped with the Computer Aided Design (CAD), Computer Numeric Controlled (CNC) Operations, Quality Assurance (QA), Automation, Composites, and metrology skills necessary to enter the technician level in either a manufacturing lead or maintenance capacity.

CERTIFICATE

The Manufacturing Technology certificate provides the basic skills needed for many entry-level manufacturing jobs by completing all first year courses. A certificate is awarded to students who complete the required courses with an overall 2.0 grade point average (GPA) or above and a minimum letter grade of C- in all required courses.

MICRO-CERTIFICATES

Micro-Certificates of Completion are designed for taking courses over a short period of time focusing on enhancement or development of a specific skill or set of skills. Micro-Certificate courses can help enhance employability skills or provide preparation for continuing education in the program area. Students must maintain a 2.0 GPA or above in all required course work and a minimum letter grade of C- or above in all required courses.

ADVANCED MANUFACTURING AND DESIGN, AAS

Interested in machinery, conventional machine tools, composites, and computerized design? Advanced Manufacturing/Engineering Technology at Skagit Valley College (SVC) offers some of the highest paying and most satisfying career opportunities in today's job market. Get hands-on training in our expanded Manufacturing facility and production lab.

For students seeking advanced skills, SVC's Advanced Manufacturing and Design degrees build on the foundation provided by the first-year certificate. Students acquire advanced skills in computer aided design (CAD), computer aided manufacturing (CAM), composites technology and automation. Students will culminate their studies with an advanced project incorporating the four disciplines in the AAS degree. With this degree students should be able to find employment as advanced CNC technicians, CAD technicians and maintenance professionals.

The Program Map is provided as a guide for a traditional full-time student whose goal is to earn the Advanced Manufacturing and Design, AAS degree. The courses are designed with the appropriate number of credits to meet degree requirements and are organized in a recommended sequence. Please consult an SVC Academic Advisor to schedule courses and develop an educational plan.

96 credits

FIRST YEAR

Fall Quarter

- MANF 102—Introduction to Manufacturing (3)
- MANF 137—Precision Measurement (3)
- CMST& 210:E—Interpersonal Communication (5)
- CSS 103—First Quarter Experience (2)
- *WMATH 100—Professional Technical Applied Math (5)

TOTAL CREDITS: 18

Winter Quarter

- MANF 123—CAD/CAM for Manufacturing I (5)
- MANF 148—Production Lab I (7)
- *ENGL& 101—English Composition I (5)

TOTAL CREDITS: 17

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Spring Quarter

- MANF 124 – CAD/CAM for Manufacturing II (5)
- MANF 132 – Material Science (3)
- MANF 149 – Production Lab II (7)

TOTAL CREDITS: 15

SECOND YEAR

Fall Quarter

- MANF 222 – Sensor Systems and Application (5)
- MANF 242 – Computer Numeric Controlled (CNC) Operations (5)
- MANF 262 – Composite Construction (5)

TOTAL CREDITS: 15

Winter Quarter

- MANF 227 – Automated Systems (5)
- MANF 247 – Advanced Computer Numeric Control (CNC) (5)
- MANF 267 – Advanced Composites (5)

TOTAL CREDITS: 15

Spring Quarter

- MANF 121 – First Aid and CPR (1)
- MANF 277 – Capstone Manufacturing Project: Automation (5)
- MANF 278 – Capstone Manufacturing Project: Computer Aided Machining (5)
- MANF 279 – Capstone Manufacturing Project: Composite Technology (5)

TOTAL CREDITS: 16

Note: *Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class. (Students need to register for the specific manufacturing section of WMATH 100. Course substitutions must be reviewed with the dept. chair or an advisor).

MANUFACTURING TECHNOLOGY CERTIFICATE

A Manufacturing Technology Certificate provides the basic skills needed for many entry-level manufacturing jobs. This certificate is awarded to students who complete the required courses with an overall 2.0 grade point average (GPA) or above and a minimum letter grade of C- in all required courses.

50 credits

Fall Quarter

- MANF 102 – Introduction to Manufacturing (3)
- MANF 137 – Precision Measurement (3)
- CSS 103 – First Quarter Experience (2)
- *WMATH 100 – Professional Technical Applied Math (5)

TOTAL CREDITS: 13

Winter Quarter

- ENGR& 114 – Engineering Graphics (5)
- MANF 148 – Production Lab I (7)
- *ENGL& 101 – English Composition I (5)

TOTAL CREDITS: 17

Spring Quarter

- ENGR 216 – Integrated CAD Design (5)
- MANF 132 – Material Science (3)
- MANF 149 – Production Lab II (7)

TOTAL CREDITS: 15

Summer Quarter

- CMST& 210 – Interpersonal Communication: E (5)

TOTAL CREDITS: 5

Note: *Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.

MANUFACTURING TECHNOLOGY MICRO-CERTIFICATES

COMPOSITES REPAIR TECHNICIAN MICRO-CERTIFICATE

This micro-certificate provides students with an overview of composites and their application across a spectrum of industries. Instruction covers materials commonly used in composite manufacturing processes such as hand lay-up, filament winding, compression molding, resin-transfer molding, and pultrusion. The fundamentals of fiberglass reinforced plastics with emphasis on chemical safety applicable to poly and vinyl-ester resins, solvents, and epoxies are taught. Students will receive hands-on training in use of molds, gel coats, release agents, resins, cosmetic color matching, and reinforcing materials in hand layup and vacuum infusion, and structural repair. Industry-appropriate shop safety standards and correct use of Personal Protection Equipment is also covered. A certificate is awarded to students who complete the following courses with a 2.0 grade point average (GPA) and a minimum letter grade of C- or above in all required courses.

For more information, please contact the department chair: Matthew Weaver | 360.416.6549 | matt.weaver@skagit.edu

15 credits

REQUIRED COURSES

- MANF 262 – Composite Construction (5)
- MANF 267 – Advanced Composites (5)
- MANF 279 – Capstone Manufacturing Project: Composite Technology (5)

MANUFACTURING AUTOMATED SYSTEMS TECHNOLOGY MICRO-CERTIFICATE

This micro-certificate provides graduates with the basic skills needed to find entry-level employment at a company using high-end automation equipment. Students learn core electronics skills, characteristics and operation of various types of electric motors, pneumatics & embedded controllers. Students must maintain a 2.0 grade point average (GPA) or above and a minimum letter grade of C- or above in all required courses.

15 credits

REQUIRED COURSES:

- MANF 222 – Sensor Systems and Application (5)
- MANF 227 – Automated Systems (5)
- MANF 277 – Capstone Manufacturing Project: Automation (5)

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MANUFACTURING COMPUTER NUMERIC CONTROL (CNC) OPERATOR MICRO-CERTIFICATE

This micro-certificate prepares the student for introductory work in the CNC field as a CNC operator. The student will learn basic code and operations of CNC equipment. A certificate is awarded to students who complete the following courses with a 2.0 grade point average (GPA) or above and a minimum letter grade of C- or above in all required courses.

15 credits

REQUIRED COURSES

- MANF 242 – Computer Numeric Controlled (CNC) Operations (5)
- MANF 247 – Advanced Computer Numeric Control (CNC) (5)
- MANF 278 – Capstone Manufacturing Project: Computer Aided Machining (5)

TECHNICAL DRAWING MICRO-CERTIFICATE

This micro-certificate program prepares students for entry-level work as a technical drafter and Computer-Aided Design (CAD) operator. The program is designed to provide training for individuals seeking entry-level employment as drafting technicians. A micro-certificate is awarded to students who maintain an overall 2.0 grade point average (GPA) and a 2.0 grade point average in the technical major with a minimum letter grade of C- or above in all required courses.

For more information, please contact the department chair: Matthew Weaver | 360.416.6549 | matt.weaver@skagit.edu

10 credits

REQUIRED COURSES:

- ENGR& 114 – Engineering Graphics (5)
- ENGR 216 – Integrated CAD Design (5)

ALLIED HEALTH EDUCATION

Overview

The SVC Allied Health Education (AHE) designation includes all courses required for degrees or certificates offered in Medical Assistant, Medical Billing and Coding, and Pharmacy Technician. A two-year AAS degree is available for Medical Assistant and for Medical Billing and Coding. The focus is to offer entry- and intermediate-level healthcare career options and to provide a stepping stone into other healthcare professions. The educational goal is to provide quality programs that will give students the skills and knowledge needed to provide quality care for diverse patient populations.

America needs more healthcare workers. Healthcare is one of the fastest growing industries and the list of high demand

occupations continues in the healthcare field. The aging population, new medical technologies, and changes in the way health care is, and will be delivered in the future, are opening doors for people who want to train for a job that pays well and gives them a chance to help other people.

While not all health careers involve working directly with patients, every health professional plays an important role on the healthcare team. Health careers offer the satisfaction of helping others. Advances in medical technology also make health careers exciting and ever-changing. Researchers are constantly discovering new ways to diagnose, treat and prevent diseases. Health workers receive ongoing training to learn new skills, use new technologies and improve patient care.

Learning Outcomes

General Education Learning Outcomes, [p. 156].

Program Learning Outcomes

Graduates of the Allied Health program will be able to:

KNOWLEDGE (COGNITIVE):

- Demonstrate knowledge of foundational theory in clinical and administrative standards as it applies to the Medical Assistant's scope of practice.
- Apply law and ethics to the medical assisting scope of practice and patient care.

PSYCHOMOTOR (SKILLS):

- Perform clinical and administrative skills accurately and consistently.
- Demonstrate the ability to manage workflow given varied patient scenarios and clinical situations.

AFFECTIVE (BEHAVIORS):

- Recognize the medical needs of diverse populations; demonstrate cultural competence and appropriate communication with patients and the healthcare team.
- Model the qualities of valued healthcare team professionals.

Graduates of the Medical Billing and Coding Specialist program will be able to:

- Interpret health record documentation using knowledge of anatomy and physiology, disease process, pharmacology, and medical terminology to accurately assign diagnostic and/or procedural codes, including modifiers, according to current coding and reporting requirements to optimize reimbursement.
- Utilize ICD-10-CM, CPT, and HCPCS coding manuals to correctly code diagnoses, services, procedures, supplies, materials, injections, and durable medical equipment.
- Accurately perform administrative tasks, including bookkeeping procedures and completion of clerical and operational forms.

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- Demonstrate an understanding of managed care and other health insurance types and specify how they differ from traditional billing methods of private medical practice.
- Accurately prepare UB-04 and CMS-1500 claim forms for submission in a manner that will minimize rejection by insurance companies.

Graduates of the Pharmacy Technician program will be able to:

- Accurately and precisely interpret and fill prescriptions from start to finish.
- Explain the top 200 drugs including brand to generic, classification and associated disease states.
- Perform sterile and non-sterile compounding procedures safely and to industry requirements.
- Practice ethically and within the laws governing pharmacy practice both nationally and in Washington State.
- Demonstrate foundational knowledge of standards for pharmacy waste management practices, safety, and controlled substance handling.

Program Accreditation

SVC's Medical Assistant program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of Medical Assistant Education Review Board (MAERB). The address is Commission on Accreditation of Allied Health Education Programs (CAAHEP), 25400 U.S. Highway 19 North, Suite 158, Clearwater, FL 33763; the phone number is (727) 210-2350 (www.caahep.org).

Upon successful completion of the Medical Assistant Certificate or AAS degree, graduates are then eligible to take a national certification exam approved by the Allied Health Department. Satisfactory completion of the national exam is a requirement to apply for certification in Washington State (RCW 18-360).

Upon successful completion of the Medical Billing and Coding AAS degree or certificate, graduates are eligible to sit for the Certified Professional Coder (CPC) exam. The CPC credential is one of the American Academy of Professional Coder's (AAPC) national certification examinations for healthcare school graduates to demonstrate proficiency across a wide range of outpatient services using all codes sets (CPT, ICD-10-CM, and HCPCS). The address of the certifying organization is, AAPC 2233 S Presidents Drive, Suite F, Salt Lake City, UT 84120.

The Pharmacy Technician certificate program is approved by the Pharmacy Technician Quality Assurance Commission of Washington State. The program is recognized by the Pharmacy Technician Certification Board (PTCB) allowing students to sit for the Pharmacy Technician Certification Exam (PTCE) or other national exams that are required to obtain the Pharmacy Technician Credential. This program meets or exceeds the goals and objectives of the American Society of Health Systems Pharmacists.

Program Admissions

Go to skagit.edu/getstarted to apply for admission and a student ID number at Skagit Valley College. Attend an information session and fill out an Allied Health Education program application (see the Allied Health Education web page for information session dates: skagit.edu/alliedhealth).

Students must submit a completed application to the Allied Health Education (AHE) department for entry into any AHE program cohort.

The Pharmacy Technician program has an additional application for entry into the program. This application is required to be sure that the Pharmacy Technician program course prerequisites have been completed. Students will need to meet with an Allied Health Education faculty advisor for course sequence planning.

Students may start Allied Health Education Foundation courses in any quarter, but Core course schedules starting winter quarter must be followed. For completion of a degree or certificate in a timely manner, it is recommended that students work closely with an AHE Faculty advisor. Many courses are offered only once per year and prerequisites impact sequencing. All Foundation courses must be completed prior to winter quarter entry into Core courses.

Core course registration for the Medical Assistant or Medical Billing and Coding, or Pharmacy Technician degree and certificate programs have one annual entry: Winter quarter. Core courses are listed in each Program Map. Registering for Core courses requires meeting with an Allied Health Education faculty advisor. Some required courses are offered only during specific quarters of the year.

It is strongly recommended that students be able to read, write, and compute at college level and have basic keyboarding skills. Students lacking this preparation should consult an advisor for appropriate coursework to raise their skill level. Students should review schedules and course descriptions to check for prerequisites when planning their course of study.

PROGRAM DISMISSAL AND RE-ENTRY

Once admitted to an Allied Health Education program, students must comply with the rules and regulations of the program and any of the clinical affiliates or be subject to dismissal from the program. See the Allied Health Student Handbook for more information.

Students must perform in a safe and competent manner in the clinical facilities and comply with the rules and regulation of the Allied Health Education department and clinical affiliates. Failure to do so may result in immediate dismissal from the clinical facility and the Allied Health Department. Unsafe practice in the clinical setting may result in a failing grade in the clinical practicum course.

Prior students not currently enrolled in the program who wish to re-enter must petition for readmission. Prior students who have not attended school for two or more quarters must meet with the department chair before continuing in the program. Core courses must be completed in sequence. Students who fail to complete the required practicum course immediately following completing the core courses will be required to see the department chair for a re-entry plan. The re-entry plan

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may require the student to repeat some core courses. AHE 199 may be used in place of required/repeated coursework at the Department Chair and/or Program Director's discretion. Students will be assessed based on past performance, current performance and experience, and then given an individualized remediation plan of courses to become practicum eligible. Practicum placement may be delayed due to full cohorts; students reentering may plan on being placed into the next available open practicum cohort group.

Specialized Program Information

ALLIED HEALTH EDUCATION PROGRAM WEBSITE

For the most current overview about the Allied Health Education program and specific program information, please visit skagit.edu/alliedhealth.

Program Notes

Criminal background checks and illegal substance-illegal drug screens are required for all students entering Allied Health programs. This requirement is based on medical industry standards and Washington State laws protecting vulnerable populations (RCW 43.43.880 and 43.43.842). Drug screens and background checks are required by clinical agencies where students complete their clinical practicums. This screening occurs at the start of all Allied Health programs (AHE 130) for Pharmacy students). All students participating in clinical placement for practicum will complete an additional drug screening immediately prior to entering clinical practicum. Students should be aware that certain gross misdemeanors and felonies may disqualify them from participating in clinical externships and prevent them from completing their certificate or degree. Future employment opportunities in the health care field may also be affected. See program website for additional information.

OCCUPATIONAL EXPOSURE: Students planning to enter any of the Allied Health Education programs need to know that, as a health care provider, they are at risk for exposure to bloodborne pathogens.

WORK-BASED LEARNING

When eligible to do so, students will integrate classroom learning with a work-based learning/practicum experience. Medical Assistant and Pharmacy Technician students are placed into clinical practicums during their last quarter of study.

Medical Billing and Coding students begin an online practicum experience during their last quarter of study; completion of this practicum will remove the "-A" apprentice designation from their AAPC CPC-A credential when they pass the national exam.

In order to be placed into the required practicum, student candidates must have completed all specified courses (varies with degree/certificate) with a grade of C or above and must meet the following general requirements:

- Negative TB test or chest X-ray within one year;
- Tetanus/diphtheria/pertussis (TDAP) vaccination within last 10 years;
- MMR (measles/mumps/rubella) vaccination or positive titer (if born before 1957, this requirement does not apply, according to CDC recommendations and guidelines);
- Hepatitis B vaccination series. (All doses);
- Current annual seasonal influenza immunization;
- Current American Heart Association BLS credential and First Aid card.

Degree and Certificate Options

ASSOCIATE IN APPLIED SCIENCE DEGREE, AAS

An Associate in Applied Science Degree, AAS is awarded upon completion of a minimum of 90 credits of specified technical and related education coursework above 100-level and requires a minimum C grade or above in each course.

The Medical Assistant AAS degree and certificate programs prepare students to work as a member of a health care team, performing a broad range of clinical and administrative tasks under the supervision of a physician, physician's assistant, or nurse practitioner. Program graduates assist health care professionals in many aspects of medical practice, including patient care management, administrative, and clinical procedures such as assisting with physical examinations, phlebotomy, administering injections, performing electrocardiograms, and instrument sterilization. An experienced medical assistant might serve as an office administrator. Primary employers for medical assistants include ambulatory health care settings, extended health care facilities, public health agencies, research institutes, and medical insurance firms. All students in the Medical Assistant degree/certificate program take the same clinical training and administrative skill coursework. Upon graduating from the Medical Assistant degree or certificate program, students are eligible to take a national certification exam. This AAS degree requires 7 quarters of full-time attendance to complete the program of study. The Medical Assistant, AAS is awarded upon the completion of a minimum of 90 credits. **Students must complete the Medical Assistant certificate with a minimum C grade or above in each course including the additional general education courses required for the certificate and AAS degree. A certificate is awarded to students who complete all required courses with a minimum C grade or above in each course.**

The Medical Billing and Coding AAS degree or certificate prepares students for billing/coding careers in medical offices, hospitals, clinics, or insurance companies. Medical coding specialists learn the translation of written documentation of disease, injuries, and/or medical procedures into alphanumeric classifications. Currently, reimbursement for health care services is dependent on the assignment of codes to describe diagnoses, services, and procedures. In addition to coding, professional reimbursement specialists must learn the medical billing process to conform to individual insurance requirements, electronic billing procedures, and responsibilities associated with electronic data management. **An AAS degree or certificate is awarded to students who complete all required courses with a minimum C grade or above in each course.**

CERTIFICATES

The Pharmacy Technician certificate program prepares students for the role of support personnel in hospital, clinical,

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community, and other pharmacy settings. Working under the direction of a licensed pharmacist, Pharmacy Technicians provide assistance to the pharmacist in a variety of technical tasks involving the packaging, distribution, compounding, labeling, and recording of drugs. Students will receive training in drug products, calculations, dosages, dispensing techniques, inventory management, third-party billing, and Washington State pharmacy law. In addition to lecture, students will have hands-on training in a lab environment and an opportunity to complete a practicum experience. This certificate requires four to five quarters of full-time attendance to complete the program of study, and has 30-35 credits of foundation courses required prior to Winter quarter entry to complete the core courses.

A certificate is awarded to students who complete all required courses with a minimum C grade or above in each course.

Please note that specific duties of the Medical Assistant, Medical Billing and Coding specialist, and Pharmacy Technician, may vary between medical settings depending on the facility's specialty, size and location.

MEDICAL ASSISTANT

Overview

Medical Assistants are multi-skilled health professionals specifically educated to work as a member of a health care team, performing a broad range of clinical and administrative tasks under the supervision of a physician, physician's assistant or nurse practitioner.

Program graduates assist health care professionals in many aspects of medical practice, including patient care management, administrative, and clinical procedures. Students learn about the administrative duties of scheduling and receiving patients, preparing and maintaining medical records, performing basic secretarial skills and medical transcription, handling telephone calls, writing correspondence, serving as the liaison between the physician and other individuals, and managing practice finances. The clinical phase of the program is taught through intense training and hands-on application. Students learn to perform clinical duties, including asepsis and infection control, taking patient histories and vital signs, first aid and CPR, preparing patients for procedures, assisting the physician with examinations and treatments, collecting and processing specimens, performing selected diagnostic tests, administering injections, and preparing and administering medications as directed by the physician.

MEDICAL ASSISTANT, AAS

Sample career options include:

Medical Assistant

Degree Intent and Transfer Options

Upon completion, Workforce degrees and/or certificates are intended to give students the skills needed to move directly

into employment. These degrees also prepare alumni for entry to a BAS degree program. While these degrees are not intended to transfer to a university, students will be eligible to apply for admission to Skagit Valley College's Bachelor of Applied Science - Management (BASM) degree or SVC's Environmental Conservation, BAS (BAS-EC) and, in some cases, could transfer to other schools. If you are interested in continuing your education by entering a bachelor's degree program, please work closely with your Academic Advisor and Department Chair.

Program Map

Program Maps are an integral part of the Planning Guide. All foundation courses must be completed with a C grade or higher before a student may begin core classes. Completion of Math and English are a priority. Foundation courses are only offered in certain quarters. Core courses must be taken in sequence and a student may only begin core courses Winter quarter. This Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an AHE Faculty Advisor to schedule courses and develop your personal Educational Plan.

93 credits

FIRST YEAR

Foundation Courses: Quarter 1

- AHE 101—Healthcare Interactions (3)
- CSS 103—First Quarter Experience (2)
or CSS 104—with a 3.0 GPA or better;
or prior completion of a degree/certificate;
or prior completion of 1 quarter/15 credits of college level course work with a 3.0 GPA or better.
- ENGL& 101—English Composition I (5)
Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.
- OBT 162—Microsoft Office Basics (2)

TOTAL CREDITS: 13

Foundation Courses: Quarter 2

- AHE 102—Basic Medical Terminology (5)
- AHE 103—Law, Ethics, and Professionalism in Healthcare (5)
- AHE 118—Drug Dosage Calculations (5)
Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.

TOTAL CREDITS: 15

Foundation Courses: Quarter 3

- AHE 105—Electronic Medical Documents and Administrative Procedures (6)
- AHE 106—Anatomy and Physiology (6)
or BIOL& 241—Human Anatomy and Physiology I (5)
and BIOL& 242—Human A and P II (5) with a minimum C grade
- AHE 201—Basic Life Support (3)
- AHE 202—First Aid (3)
- AHE 203—Mental Health First Aid (3)

TOTAL CREDITS: 15

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SECOND YEAR

Foundation Courses: Quarter 4

- AHE 110 – Introduction to Medical Coding and Insurance (5)
- AHE 112 – Basic Pharmacology (5)
- CMST& 210 – Interpersonal Communication: E (5)

TOTAL CREDITS: 15

Winter Quarter – ENTRY ONLY – Core Courses

- AHE 107 – Clinical Non-Sterile Procedures (6)
- AHE 108 – Clinical Sterile Procedures (6)
- AHE 109 – Medical Disease and Pathology (4)

TOTAL CREDITS: 16

Spring Quarter – Core Courses

- AHE 113 – Introduction to Phlebotomy (4)
- AHE 114 – Microbiology/Medical Lab Procedures (4)
- AHE 115 – Injection Therapy (4)

TOTAL CREDITS: 12

Summer Quarter – Core Courses

- AHE 116 – Medical Assistant Clinical Practicum (6)
- AHE 117 – Medical Assistant Clinical Practicum Seminar (1)

TOTAL CREDITS: 7

MEDICAL ASSISTANT, CERTIFICATE

Program Map

Program Maps are an integral part of the Planning Guide. All foundation courses must be completed with a C grade or higher before a student may begin core classes. Completion of Math and English are a priority. Foundation courses are only offered in certain quarters. Core courses must be taken in sequence and a student may only begin core courses Winter quarter. This Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an AHE Faculty Advisor to schedule courses and develop your personal Educational Plan.

88 Credits

FIRST YEAR

Foundation Courses: Quarter 1

- AHE 101 – Healthcare Interactions (3)
- CSS 103 – First Quarter Experience (2)
- † ENGL& 101 – English Composition I (5)
- OBT 162 – Microsoft Office Basics (3)

TOTAL CREDITS: 13

Foundation Courses: Quarter 2

- AHE 102 – Basic Medical Terminology (5)
- AHE 103 – Law, Ethics, and Professionalism in Healthcare (5)
- AHE 118 – Drug Dosage Calculations (5)

TOTAL CREDITS: 15

Foundation Courses: Quarter 3

- AHE 105 – Electronic Medical Documents and Administrative Procedures (6)
- AHE 106 – Anatomy and Physiology (6)
- AHE 201 – Basic Life Support (3)
- AHE 202 – First Aid (3)
- AHE 203 – Mental Health First Aid (3)

TOTAL CREDITS: 15

SECOND YEAR

Foundation Courses: Quarter 4

- AHE 110 – Introduction to Medical Coding and Insurance (5)
- AHE 112 – Basic Pharmacology (5)

TOTAL CREDITS: 10

Winter Quarter – ENTRY ONLY – Core Courses

- AHE 107 – Clinical Non-Sterile Procedures (6)
- AHE 108 – Clinical Sterile Procedures (6)
- AHE 109 – Medical Disease and Pathology (4)

TOTAL CREDITS: 16

Spring Quarter – Core Courses

- AHE 113 – Introduction to Phlebotomy (4)
- AHE 114 – Microbiology/Medical Lab Procedures (4)
- AHE 115 – Injection Therapy (4)

TOTAL CREDITS: 12

Summer Quarter – Core Courses

- AHE 116 – Medical Assistant Clinical Practicum (6)
- AHE 117 – Medical Assistant Clinical Practicum Seminar (1)

TOTAL CREDITS: 7

Note: † Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.

MEDICAL BILLING AND CODING

Overview

The Medical Billing and Coding degree program prepares students for billing/coding careers in medical offices, hospitals, clinics, or insurance companies. Medical coding specialists learn the translation of written documentation of disease, injuries, and/or medical procedures into alphanumeric classifications. Currently, reimbursement for health care services is dependent on the assignment of codes to describe diagnoses, services, and procedures. In addition to coding, professional reimbursement specialists must learn the medical billing process to conform to individual insurance requirements, electronic billing procedures, and responsibilities associated with electronic data management.

MEDICAL BILLING AND CODING, AAS

Sample career options include:

- Billing, Cost, and Rate Clerks
- Medical Records and Health Information Technicians
- Medical Secretaries
- Medical Administrative Assistants

Degree Intent and Transfer Options

Upon completion, Workforce degrees and/or certificates are intended to give students the skills needed to move directly into employment. These degrees also prepare alumni for entry to a BAS degree program. While these degrees are not intended to transfer to a university, students will be eligible to apply for admission to Skagit Valley College's Bachelor of Applied Science - Management (BAS-M) degree or SVC's

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Environmental Conservation, BAS (BAS-EC) and, in some cases, could transfer to other schools. If you are interested in continuing your education by entering a bachelor's degree program, please work closely with your Academic Advisor and Department Chair.

Program Map

Program Maps are an integral part of the Planning Guide. All foundation courses must be completed with a C or before a student may enter the core classes. Completion of math and English are priority. Core courses must be taken in sequence and a student may only begin core courses Winter quarter. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an AHE Faculty Advisor to schedule courses and develop your personal Educational Plan.

93 credits

FIRST YEAR

Foundation Courses: Quarter 1

- AHE 101–Healthcare Interactions (3)
- CSS 103–First Quarter Experience (2)
- ENGL& 101–English Composition I (5)
- OBT 162–Microsoft Office Basics (3)

TOTAL CREDITS: 13

Foundation Courses: Quarter 2

- AHE 102–Basic Medical Terminology (5)
- AHE 103–Law, Ethics, and Professionalism in Healthcare (5)
- AHE 112–Basic Pharmacology (5)

TOTAL CREDITS: 15

Foundation Courses: Quarter 3

- AHE 105–Electronic Medical Documents and Administrative Procedures (6)
- AHE 106–Anatomy and Physiology (6)
- AHE 201–Basic Life Support (1)
- AHE 202–First Aid (1)
- AHE 203–Mental Health First Aid (1)

TOTAL CREDITS: 15

SECOND YEAR

Foundation Courses: Quarter 4

- AHE 110–Introduction to Medical Coding and Insurance (5)
- CMST& 210–Interpersonal Communication: E (5)
- AHE 118–Drug Dosage Calculations (5)

TOTAL CREDITS: 15

Winter Quarter–ENTRY ONLY–Core Courses

- AHE 109–Medical Disease and Pathology (4)
- AHE 221–Procedural Coding in Outpatient Settings (5)
- AHE 222–Diagnostic Coding in Outpatient Settings (5)

TOTAL CREDITS: 14

Spring Quarter–Core Courses

- AHE 223–Advanced Medical Insurance Billing (6)
- AHE 230–Advanced Outpatient Coding and Auditing (5)
- AHE 240–National Exam Preparation (4)

TOTAL CREDITS: 15

Summer Quarter

- AHE 241–Online Coding Practicum (6)

TOTAL CREDITS: 6

MEDICAL BILLING AND CODING CERTIFICATE

Program Map

Program Maps are an integral part of the Planning Guide. All foundation courses must be completed with a C grade or higher before a student may enter the core classes. Completion of math and English are priority. Core courses must be taken in sequence and a student may only begin core courses Winter quarter. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an AHE Faculty Advisor to schedule courses and develop your personal Educational Plan.

88 credits

FIRST YEAR

Foundation Courses: Quarter 1

- AHE 101–Healthcare Interactions (3)
- CSS 103–First Quarter Experience (2)
- ENGL& 101–English Composition I (5)
- OBT 162–Microsoft Office Basics (3)

TOTAL CREDITS: 13

Foundation Courses: Quarter 2

- AHE 102–Basic Medical Terminology (5)
- AHE 103–Law, Ethics, and Professionalism in Healthcare (5)
- AHE 112–Basic Pharmacology (5)

TOTAL CREDITS: 15

Foundation Courses: Quarter 3

- AHE 105–Electronic Medical Documents and Administrative Procedures (6)
- AHE 106–Anatomy & Physiology (6)
- AHE 201–Basic Life Support (1)
- AHE 202–First Aid (1)
- AHE 203–Mental Health First Aid (1)

TOTAL CREDITS: 15

SECOND YEAR

Foundation Courses: Quarter 4

- AHE 110–Introduction to Medical Coding and Insurance (5)
- AHE 118–Drug Dosage Calculations (5)

TOTAL CREDITS: 10

Winter Quarter–ENTRY ONLY–Core Courses

- AHE 109–Medical Disease & Pathology (4)
- AHE 221–Procedural Coding in Outpatient Settings (5)
- AHE 222–Diagnostic Coding in Outpatient Settings (5)

TOTAL CREDITS: 14

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Spring Quarter – Core Courses

- AHE 223 – Advanced Medical Insurance Billing (6)
- AHE 230 – Advanced Outpatient Coding and Auditing (5)
- AHE 240 – National Exam Preparation (4)

TOTAL CREDITS: 15

Summer Quarter: Core Courses

- AHE 241 – Online Coding Practicum (6)

TOTAL CREDITS: 6

PHARMACY TECHNICIAN

Overview

The Pharmacy Technician Certificate program prepares students for the role of support personnel in hospital, clinical, community, and other pharmacy settings. Working under the direction of a licensed pharmacist, Pharmacy Technicians provide assistance to the pharmacist in a variety of technical tasks involving the packaging, distribution, compounding, labeling, and recording of drugs. Students will receive training in drug products, calculations, dosages, dispensing techniques, inventory management, third-party billing, and Washington State pharmacy law. In addition to lecture, students will have hands-on training in a lab environment and an opportunity to complete a practicum experience. This certificate requires four to five quarters of full-time attendance to complete the program of study, and has 30-35 credits of foundation courses required prior to Winter quarter entry to complete the core courses.

Sample career options include:

- Pharmacy Technician

Degree Intent and Transfer Options

Upon completion, Workforce degrees and/or certificates are intended to give students the skills needed to move directly into employment. These degrees also prepare alumni for entry to a BAS degree program. While these degrees are not intended to transfer to a university, students will be eligible to apply for admission to Skagit Valley College's Bachelor of Applied Science - Management (BAS-M) degree or SVC's Environmental Conservation, BAS (BAS-EC) and, in some cases, could transfer to other schools. If you are interested in continuing your education by entering a bachelor's degree program, please work closely with your Academic Advisor and Department Chair.

Program Map

Program Maps are an integral part of the Planning Guide. All foundation courses must be completed with a C grade or higher before a student may begin core classes. Completion of Math and English are a priority. Foundation courses are only offered in certain quarters. Core courses must be taken in sequence and a student may only begin core courses Winter quarter. This Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized

Educational Plan, required of all SVC students. Please consult with an AHE Faculty Advisor to schedule courses and develop your personal Educational Plan.

PHARMACY TECHNICIAN, CERTIFICATE

69 credits

FIRST YEAR

Foundation Courses: Quarter 1

- AHE 101 – Basic Medical Terminology (3)
 - CSS 103 – First Quarter Experience (2)
 - OBT 162 – Microsoft Office Basics (3)
 - ENGL& 101 – English Composition I (5)
- Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.*

TOTAL CREDITS: 13

Foundation Courses: Quarter 2

- AHE 102 – Basic Medical Terminology (5)
- AHE 118 – Drug Dosage Calculations (5)
- AHE 201 – Basic Life Support (1)
- AHE 202 – First Aid (1)
- AHE 203 – Mental Health First Aid (1)

TOTAL CREDITS: 13

Foundation Courses: Quarter 3

- AHE 106 – Anatomy and Physiology (6)
or BIOL& 241 – Human Anatomy and Physiology I (5)
and BIOL& 242 – Human A and P II (5)
- AHE 112 – Basic Pharmacology (5)

TOTAL CREDITS: 11

SECOND YEAR

Winter Quarter – ENTRY ONLY – Core Courses

- AHE 130 – Orientation to Pharmacy Practice (4)
- AHE 131 – Pharmacy Technician Terminology (3)
- AHE 132 – Applied Pharmacology (5)

TOTAL CREDITS: 12

Spring Quarter – Core Courses

- AHE 133 – Pharmacy Records Management (4)
- AHE 134 – Applied Pharmacology II (5)
- AHE 135 – Community and Hospital Drug Dispensing/Management (4)

TOTAL CREDITS: 13

Summer Quarter – Core Courses

- AHE 136 – Community Clinical Experience/Pharmacy Technician (3)
- AHE 137 – Hospital Clinical Experience/Pharmacy Technician (3)
- AHE 138 – Pharmacy Technician Clinical Experience Seminar (1)

TOTAL CREDITS: 7

AUTOMOTIVE TECHNOLOGY

Overview

The Automotive Technology (AT) program holds a master certification from the Automotive Service Excellence Education (ASE). The program has been a first place winner of the "Award for Excellence" and received recognition as the best college independent automotive program in the nation.

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Automotive Technology (AT) is a competency-based program designed to prepare students for a career in the automotive industry. The program's ASE Education Foundation accreditation provides students with instructors and a facility that meets national standards. These standards assist graduates in acquiring excellent job placement in the automotive career of their choice. Rapid advancement of new technology has created a need for highly skilled automotive technicians. Excellent employment opportunities exist in new vehicle dealerships, independent repair facilities, and various other areas of the industry.

The Automotive Technology program combines theory and practical experience during six quarters of instruction. Students develop diagnostic and repair skills on late model vehicles in a well-equipped shop. Subjects include brake and suspension systems, electrical/electronic systems, automatic and manual transmissions, heating and air conditioning, engines, engine performance, light-duty diesel, engine machining, and hybrid-electric/electric vehicles.

Sample career options include:

- Automotive Master Technician
- Automotive Specialty Technicians
- Engine Machinist Specialist

Learning Outcomes

General Education Learning Outcomes, [p. 156].

Program Learning Outcomes

Graduates of the Automotive Technology program will be able to:

- Develop the skills and knowledge to work safely in the lab/shop environment.
- Demonstrate professional conduct as an individual and as a member of a group in a workplace environment.
- Demonstrate the ability to access and interpret technical information using various sources for use in vehicle testing, diagnosis and repair.
- Demonstrate the ability to correctly test, diagnose, repair and verify mechanical and electrical systems.
- Develop knowledge and retention of entry-level skills necessary to gain employment and certification in the automotive industry.

Program Admissions

Program entry begins with an application through **Enrollment Services**. Students may enter the Automotive Technology program at the beginning of Fall quarter. Advanced standing may be requested for prior education or experience.

Specialized Program Information

CAREER AND TECHNICAL EDUCATION (CTE)

Please see *Academic Information*, [p. 272], for information regarding CTE.

INDUSTRY PROFESSIONAL COURSES

A series of courses to assist technicians currently employed in the field are offered throughout the academic year during regular degree courses. Classes are designed in several week blocks to accommodate working professionals and are taken alongside degree seeking students. Current offerings include (but are not limited to): AT 101, AT 121, AT 124, AT 131, AT 133, AT 201, AT 205, AT 206, AT 217, and AT 218.

Work-Based Learning

Students will integrate classroom learning with work-based learning experience in Cooperative Education (AT 199) at a supervised work site. Department Chair approval is required. Credits and grades are based on job-hours worked, work performance, and completion of the learning objectives specified in the learning contract. Concurrent enrollment in a Cooperative Education Seminar or equivalent is required. A special project (AT 255) may be substituted for Cooperative Education with approval of the Department Chair.

Degree and Certificate Options

An Associate in Applied Science Degree, AAS is awarded upon completion of a minimum of 90 credits of specified technical and related education coursework above 100-level with both an overall 2.0 college level grade point average and a 2.0 grade point average in the technical major. The technical major consists of all of the "AT" labeled courses and MANF 121.

Students who are not pursuing an AAS degree may earn a certificate focusing on specific skills within the Automotive Technology program. A Certificate in Automotive Technology is awarded to students who complete the following courses with an accumulated grade point average of 2.0 and achieve technical competency.

AUTOMOTIVE TECHNOLOGY, AAS

Degree Intent and Transfer Options

Upon completion, Workforce degrees and/or certificates are intended to give students the skills needed to move directly into employment. These degrees also prepare alumni for entry to a BAS degree program. While these degrees are not intended to transfer to a university, students will be eligible to apply for admission to Skagit Valley College's Bachelor of Applied Science - Management (BAS-M) degree or SVC's Environmental Conservation, BAS (BAS-EC) and, in some cases, could transfer to other schools. If you are interested in continuing your education by entering a bachelor's degree program, please work closely with your Academic Advisor and Department Chair.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

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FIRST YEAR

Fall Quarter

- AT 101–Industrial Safety and Fundamentals (3)
- AT 121–Automotive Electrical I (7)
- AT 133–Automotive Electrical II (8)
- CSS 103–First Quarter Experience (2)

TOTAL CREDITS: 20

Winter Quarter

- AT 124–Brake Systems (8)
- AT 131–Suspension, Steering and Alignment Systems (7)
- † ENGL& 101–English Composition I (5)

TOTAL CREDITS: 20

Spring Quarter

- AT 141–Transmissions and Drivetrain Systems (12)
- AT 201–Automotive Parts and Service Specialist (3)
- CMST& 210–Interpersonal Communication: E (5)

TOTAL CREDITS: 20

SECOND YEAR

Fall Quarter

- AT 205–Automotive Engines and Cooling Systems (8)
- AT 206–Automotive HVAC Systems (4)
- AT 218–Diesel Powered Vehicles (4)

TOTAL CREDITS: 16

Winter Quarter

- AT 210–Engine Performance I (7)
- AT 212–Engine Performance II (8)
- † WMATH 100–Professional Technical Applied Math (5)

TOTAL CREDITS: 20

Spring Quarter

- ‡ AT 199–Cooperative Education Experience (1-15)
- AT 217–Electric and Hybrid Vehicle Service (10)
- AT 220–Professional Lab Techniques (8)
or AT 225–Engine Machining I (8)
- MANF 121–First Aid and CPR (1)
no substitutions

TOTAL CREDITS: 20+

Notes: † Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.

‡ AT 199 may be taken at any time after the first year, including summer quarter.

AUTOMOTIVE CERTIFICATES

A certificate is awarded to students who complete the following courses with an accumulated grade point average of 2.0 and achieve technical competency approved by the Department chair.

AUTOMOTIVE ENGINE PERFORMANCE SPECIALIST CERTIFICATE

27 credits

REQUIRED COURSES

- AT 205–Automotive Engines and Cooling Systems (8)
- AT 210–Engine Performance I (7)
- AT 212–Engine Performance II (8)
- AT 218–Diesel Powered Vehicles (4)

AUTOMOTIVE PARTS AND SERVICE SPECIALIST CERTIFICATE

25 credits

REQUIRED COURSES

- AT 101–Industrial Safety and Fundamentals (3)
- AT 199–Cooperative Education Experience (1-15) (1)
- AT 201–Automotive Parts and Service Specialist (3)
- CSS 103–First Quarter Experience (2)
- CMST& 210–Interpersonal Communication: E (5)
- ENGL& 101–English Composition I (5)
- MANF 121–First Aid and CPR (1)
- WMATH 100–Professional Technical Applied Math (5)

AUTOMOTIVE MICRO-CERTIFICATES

AUTOMOTIVE ELECTRICAL SPECIALIST MICRO-CERTIFICATE

15 credits

REQUIRED COURSES

- AT 121–Automotive Electrical I (7)
- AT 133–Automotive Electrical II (8)

AUTOMOTIVE ENGINE MACHINIST MICRO-CERTIFICATE

16 credits

REQUIRED COURSES

- AT 205–Automotive Engines and Cooling Systems (8)
- AT 225–Engine Machining I (8)

AUTOMOTIVE TRANSMISSION SPECIALIST MICRO-CERTIFICATE

12 credits

REQUIRED COURSE

- AT 141–Transmissions and Drivetrains (12)

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AUTOMOTIVE UNDERCAR SPECIALIST MICRO-CERTIFICATE

15 credits

REQUIRED COURSES

- AT 124—Brake Systems (8)
- AT 131—Suspension, Steering and Alignment Systems (7)

BUSINESS MANAGEMENT

Overview

The Business Management (BUS) program is designed to develop the professional and business skills necessary to succeed in today's competitive, demanding, and changing business environment. The Business Management program includes instruction in business and management, leadership, professional selling, business law, economics, entrepreneurship, marketing, human resources, accounting and computer systems and applications.

Students may choose to earn a two-year **Associate in Applied Science Degree, AAS** in Business Management or a four-quarter certificate in **Entrepreneurship Certificate**. Throughout the Business Management program, students are given projects to complete that provide practical experience. These skills are designed for entry-level positions in various businesses and industries and may lead to supervisory or management positions combined with business experience. In this environment, a student can gain confidence, a sense of professionalism, and develop the tools to become a team player and leader. Students may also choose to take classes for career advancement goals or to enhance current skills. The Business Management program offers an online learning option.

Sample career options include:

- First-Line Supervisors of Office and Administrative Support Workers
- First-Line Supervisors of Retail Sales Workers
- Sales Managers
- Human Resource Specialist

Learning Outcomes

General Education Learning Outcomes, [p. 156].

Program Learning Outcomes

Graduates of the Business Management program will be able to:

- Identify contemporary business concepts, principles and practices.
- Demonstrate the interrelationship of the functional areas of business including management, marketing, law, organizational behavior, computer and software systems, human resources, accounting, and finance.

- Analyze the interrelationship of a business organization within the larger business environment, including international business.
- Apply basic legal business concepts within the legal environment in which business is conducted.
- Perform basic business calculations to demonstrate basic financial literacy.
- Apply problem solving and analysis skills to business research questions and demonstrate appropriate solutions.
- Demonstrate professional and ethical behaviors expected of entry-level workers in the industry.

Program Admissions

Apply at **Enrollment Services**. Students may enter the program at the beginning of any quarter; although, some key courses are only offered at specific times during the year. For more information, contact the Counseling and Advising Services.

Specialized Program Information

CAREER AND TECHNICAL EDUCATION (CTE)

Please see **Academic Information**, [p. 272], for information regarding CTE.

WORK-BASED LEARNING

Students will integrate classroom learning with an internship (BUS 199—Internship/Cooperative Education) at a supervised work site. Credits and grades are based on job hours worked, work performance, and completion of learning objectives specified in the learning contract. Learn more about Cooperative Education at SVC.

Degree and Certificate Options

ASSOCIATE IN APPLIED SCIENCE DEGREE

An **Associate in Applied Science Degree, AAS** is awarded upon completion of a minimum of 90 credits of specified technical and related education coursework above 100-level with both an overall 2.0 grade point average and a 2.0 grade point average in the technical major.

CERTIFICATE

A Certificate in Business Management is awarded to students who complete the following courses with an accumulated grade point average of 2.0 and achieve technical competency.

MICRO-CERTIFICATE

Students who are not pursuing an AAS degree may earn a certificate focusing on specific skills within the Business Management program. A certificate is awarded to students who complete all courses with a 2.0 grade point average or above.

BUSINESS MANAGEMENT, AAS

Degree Intent and Transfer Options

Upon completion, Workforce degrees and/or certificates are intended to give students the skills needed to move directly into employment. These degrees also prepare alumni for entry to a BAS degree program. While these degrees are not

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intended to transfer to a university, students will be eligible to apply for admission to Skagit Valley College's Bachelor of Applied Science - Management (BAS-M) degree or SVC's Environmental Conservation, BAS (BAS-EC) and, in some cases, could transfer to other schools. If you are interested in continuing your education by entering a bachelor's degree program, please work closely with your Academic Advisor and Department Chair.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a suggested quarterly sequence of courses so you could earn your degree within two years of full-time study. Your Program Map is also designed to help you create an individualized, customized Educational Plan, which is required of all SVC students. To start creating your Educational Plan, please consult with an Academic Advisor.

90 credits

FIRST YEAR

1st Quarter

- ACCT& 201–Prin of Accounting I (5)
- BUS& 101–Introduction to Business (5)
- † ENGL& 101–English Composition I (5)
- CSS 103–First Quarter Experience (2)

TOTAL CREDITS: 17

2nd Quarter

- ACCT& 202–Prin of Accounting II (5)
- BUS 120–Business Computers and Applications (5)
- † MATH& 146–Introduction to Stats (5)
or BUS 111–Business Math (5)
or MATH& 148–Business Calculus (5)

TOTAL CREDITS: 15

3rd Quarter

- ACCT& 203–Prin of Accounting III (5)
- BUS 220–Excel for Business (5)
- CMST& 210–Interpersonal Communication: E (5)

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- BUS 180–Leadership Development and Management Skills (5)
- BUS& 201–Business Law (5)
- ECON 101–Introduction to Economics (5)
or ECON& 201–Micro Economics (5)
or ECON& 202–Macro Economics (5)

TOTAL CREDITS: 15

5th Quarter

- BUS 112–Personal Finance (5)
- BUS 205–Human Resources Management (5)
- BUS 242–Professional Selling and Sales Management (5)

TOTAL CREDITS: 15

6th Quarter

- BUS 122–Social Media and Digital Marketing (5)
- BUS 199–Internship/Cooperative Education (1-15) (3)
- BUS 280–Entrepreneurship and Small Business Management (5)
- PE 200–First Aid, Safety, and CPR (2)

Students completing PE 200 do not need to take any other PE courses. Students who do not complete PE 200 must take PE 100 plus one PE activity credit.

TOTAL CREDITS: 13

Note: † Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.

BUSINESS MANAGEMENT CERTIFICATES

ENTREPRENEURSHIP, CERTIFICATE

A certificate is awarded to students who complete the following courses with an accumulated grade point average of 2.0 and achieve technical competency.

60 credits

REQUIRED COURSES

- ACCT& 201–Prin of Accounting I (5)
- BUS& 101–Introduction to Business (5)
- BUS 111–Business Math (5)
or MATH& 146–Introduction to Stats (5)
- BUS 120–Business Computers and Applications (5)
- BUS 122–Social Media and Digital Marketing (5)
- BUS 180–Leadership Development and Management Skills (5)
- BUS& 201–Business Law (5)
- BUS 205–Human Resources Management (5)
- BUS 240–Fundamentals of Marketing (5)
- BUS 280–Entrepreneurship and Small Business Management (5)
- CMST& 220–Public Speaking (5)
- ENGL& 101–English Composition I (5)

ENTREPRENEURSHIP, MICRO-CERTIFICATE

A certificate is awarded to students who complete the following courses with a 2.0 grade point average or above in each course.

15 credits

REQUIRED COURSES

- BUS 111–Business Math (5)
or MATH& 146–Introduction to Stats (5)
- BUS 120–Business Computers and Applications (5)
- BUS& 101–Introduction to Business (5)

CRAFT BREWING

Overview

The Craft Brewing (BRW) program provides an overview of the craft brewery business, i.e. from farm to glass, and is designed to provide students with a foundation of knowledge required for successful entry-level employment in the craft brewing industry. With continued growth of the brewing industry nationwide and world-wide, owners and managers of major breweries, craft breweries, and brew pubs are seeking professionals who have been trained in the science and

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engineering of operations, as well as those who know and understand the demands of the brewing industry. The craft brewing industry is expected to grow in Washington State as the industry moves away from “factory” breweries (Olympia, Rainier, etc.) to small craft breweries.

In response to the demand for condensed technical training programs in brewing science, Skagit Valley College has collaborated with regional craft brewing industry professionals to create a multi-disciplinary program that will provide education and training for those interested in working in this industry. The certificate program is structured to help students learn brew science theory through hands-on experience in the brew laboratory and at local breweries. The program includes industry professionals in the classroom, industry tours and internship experiences at regional breweries.

This is an ideal program for those considering entry into the brewing industry, as well as those pursuing wider knowledge of the business in order to improve their skills and advance in their career goals. Students will gain a level of industry knowledge that will benefit them in any area of responsibility in the brewery, covering every topic critical to successful brewery operations.

Program Learning Outcomes

Graduates of the Craft Brewing program will be able to:

- Show competency in understanding the history of alcohol fermentation and the brewing of beer.
- Demonstrate the ability to utilize brew house facilities and brewing equipment.
- Demonstrate knowledge of the microbiology and biochemistry concepts of fermentation pertaining to the brewing of beer and distilled spirits.
- Analyze and demonstrate the steps in the brewing process—grain handling, malting, yeast and fermentation processes, raw materials and wort production, beer production, quality control, packaging processes, flavor production, and control.
- Identify classic and craft-brew beer styles and describe production of each.
- Analyze and evaluate business concepts of the brewing industry and the day-to-day activities involved with the operation of a solvent brewing facility.
- Demonstrate the ability to design and brew a beer that meets generally acceptable standards.
- Demonstrate knowledge of sustainability practices for raw materials, water, energy, processing and brewery waste.

Program Admissions

The Craft Brewing program only enrolls students Fall quarter. Please apply at Enrollment Services. This program has limited enrollment with students meeting the admission requirements admitted on a first-come, first-served basis.

PREREQUISITE

- Must be 21 years or older to participate in this program.

Sample Career Options

Many jobs in the craft brewing industry cross employment categories. People working in this industry can often be found working in management positions, sales/marketing, graphic design, service technicians, lab technicians, bartenders, and food service employees associated with restaurants or brew pubs. According to our local industry partners, job titles specific to brewing are brewers, maltsters, cellermen, bottling line workers, draught line technicians/cleaners, vat/equipment technicians, quality assurance/quality control technicians, and fermentation lab technicians. Working in a brewery can be physically demanding. Many tasks involve lifting, climbing, moving, carrying, pushing and pulling items weighing up to 50 lbs. or more. Due to legal restrictions associated with the production of beer and spirits, most businesses require workers to be at least 21 years of age prior to employment.

- Brewer, Cellar Worker, Machine Tender, Pulper Operator
- Quality Control Technician (QC Technician)

CRAFT BREWING CERTIFICATE

Degree Intent and Transfer Options

Upon completion, Workforce degrees and/or certificates are intended to give students the skills needed to move directly into employment. These degrees also prepare alumni for entry to a BAS degree program. While these degrees are not intended to transfer to a university, students will be eligible to apply for admission to Skagit Valley College's Bachelor of Applied Science - Management (BAS-M) degree or SVC's Environmental Conservation, BAS (BAS-EC) and, in some cases, could transfer to other schools. If you are interested in continuing your education by entering a bachelor's degree program, please work closely with your Academic Advisor and Department Chair.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this certificate within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

CRAFT BREWING CERTIFICATE

41 credits

Fall

- BRW 101—Culture of Craft Brewing (3)
- BRW 103—Beverage Biochemistry (4)
- BRW 105—Raw Materials (3)
- BRW 107—Wort Production (3)
- BRW 160—Brewery Lab I (1)

TOTAL CREDITS: 14

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Winter

- BRW 110 – Brewery Operations (5)
- BRW 120 – Essentials of Quality Assurance/Quality Control (3)
- BRW 125 – Flavor Production and Control (2)
- BRW 128 – Industry Experience (1)
- BRW 161 – Brewery Lab II (2)
- BIOL 150 – Microbiology and Chemistry Laboratory Techniques for Brewing (1)

TOTAL CREDITS: 14

Spring

- BRW 130 – Business of Craft Brew (4)
- BRW 135 – Tradition and Innovation in Beer Styles (2)
- BRW 198 – Brewery Capstone Project (2)
- BRW 199 – Brewery Internship (5)

TOTAL CREDITS: 13

CULINARY ARTS

Overview

The Culinary Arts (CUL) program is among the few culinary programs accredited by the prestigious American Culinary Federation Education Foundation (ACFEF). Course content emphasizes “hands-on” lab work and a variety of flexible teaching techniques designed to meet the needs of diverse learning styles. Emphasis is placed on the necessity for the modern culinary professional to understand global food trends and international flavor principles in a working environment sensitive to cultural and general differences.

First-year courses build a foundation of basic culinary skills with many opportunities for hands on learning. Second year courses offer students choices in Advanced Culinary or Baking and Pastry.

SVC is uniquely located in one of the world’s most diverse farming/growing regions. Working with “Fresh and Local” ingredients are an integral part of the culinary experience and position students on the cutting edge of this national trend.

Trained, qualified chefs are in demand and the SVC Culinary Arts program is the place to prepare you for this emergent industry. Whether you want to bolster your culinary knowledge, advance in your current food service career, become an entrepreneur, or begin your career path in Culinary Arts, the SVC Culinary Arts program is the one for you!

Degree and Certificate Options

ASSOCIATE IN APPLIED SCIENCE DEGREES

An Associate in Applied Science Degree, AAS is awarded upon completion of a minimum of 90 credits of specified technical and related education coursework above 100-level with both an overall 2.0 grade point average and a 2.0 grade point average in the technical major.

CERTIFICATES

These certificates focus on a specific skill within this program. A certificate is awarded to those students who complete a one-quarter block of classes plus CUL 123 – Safety and Sanitation (ServSafe).

MICRO-CERTIFICATES

Typically two quarters or less, micro-certificates are focused on providing training in a specific skill.

Learning Outcomes

General Education Learning Outcomes, [p. 156].

Program Learning Outcomes

Graduates of the Baking and Pastry emphasis will be able to:

- Meet skill standards of the American Culinary Federation (ACF) and eligibility to obtain certification as a Certified Culinarian or Certified Pastry Culinarian.
- Explain and apply safety and sanitation procedures in compliance with national standards.
- Demonstrate and assess fundamental techniques, knife skills, sustainable practices and cooking procedures.
- Identify and demonstrate fundamental baking techniques, weights, measurements and standard recipe execution.
- Identify the role of leadership. Demonstrate effective communication skills. Identify the steps necessary to overcome conflict.
- Demonstrate skills and assessment of advance yeast breads, pastries, confections and dessert products.

Graduates of the Culinary emphasis degree will be able to:

- Meet skill standards of the American Culinary Federation (ACF) and eligibility to obtain certification as a Certified Culinarian or Certified Pastry Culinarian.
- Explain and apply safety and sanitation procedures in compliance with national standards.
- Demonstrate and assess fundamental cooking techniques, knife skills, sustainable practices and cooking procedures.
- Identify and demonstrate fundamental baking techniques, weights, measurements and standard recipe execution.
- Identify the role of leadership. Demonstrate effective communication skills. Identify the steps necessary to overcome conflict.
- Demonstrate and Identify dining room service procedures. List exotic ingredients and cooking techniques.

Program Admissions

Please apply at **Enrollment Services**. Students may only enter the program Fall quarter. For more information, contact the Department Chair or Enrollment Services.

Specialized Program Information

WORK-BASED LEARNING

Students will integrate classroom learning with work-based learning experience in Cooperative Education (CUL 199 – Cooperative Education Experience) at a supervised work site. Department Chair approval is required. Credits and grades are based on job-hours worked, work performance and completion of the learning objectives specified in the learning contract. Concurrent enrollment in a Cooperative Education Seminar or equivalent is required.

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CULINARY ARTS, BAKING AND PASTRY, AAS

Sample career options include:

- Baker
- Chefs and Head Cooks
- Cook, Restaurant

Degree Intent and Transfer Options

Upon completion, Workforce degrees and/or certificates are intended to give students the skills needed to move directly into employment. These degrees also prepare alumni for entry to a BAS degree program. While these degrees are not intended to transfer to a university, students will be eligible to apply for admission to Skagit Valley College's Bachelor of Applied Science - Management (BAS-M) degree or SVC's Environmental Conservation, BAS (BAS-EC) and, in some cases, could transfer to other schools. If you are interested in continuing your education by entering a bachelor's degree program, please work closely with your Academic Advisor and Department Chair.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

97 credits

FIRST YEAR

Fall Quarter (Fall Quarter Entry Only)

- *CUL 111—Culinary Math (5)
- CUL 123—Safety and Sanitation (3)
- CUL 170—Introduction to Culinary Arts (1)
- CUL 210—Human Resources Management and Supervision (3)
- CSS 103—First Quarter Experience (2)

TOTAL CREDITS: 14

Winter Quarter

- CUL 164—Baking Theory (3)
 - CUL 165—Baking Lab (10)
 - ENGL& 101—English Composition I (5)
- Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into ENGL 101.*

TOTAL CREDITS: 18

Spring Quarter

- CUL 101—Sustainable Food System Practices (3)
- CUL 171—Cooking Fundamentals (3)
- CUL 172—Stocks, Soups and Sauces (3)
- CUL 173—The Cold Kitchen (3)
- CUL 174—Food Identification and Preparation (3)
- ‡ CUL 199—Cooperative Education Experience (5)
(Sign up for 1 credit)

TOTAL CREDITS: 16

SECOND YEAR

Fall Quarter

- CUL 236—Controlling Foodservice Costs (3)
- CUL 237—Wine and Beverage Studies (3)
- CUL 240—Bakery Sous Chef Lab (10)

TOTAL CREDITS: 16

Winter Quarter

- ‡ CUL 199—Cooperative Education Experience (5)
(Sign up for 4 credits)
- CMST& 210—Interpersonal Communication:E (5)
- NUTR& 101—Nutrition (5)
- PE 200—First Aid, Safety, and CPR (2) or a valid CPR/First Aid certification from an approved provider.

TOTAL CREDITS: 16

Spring Quarter

- CUL 239—Chocolate, Sugar and Fondant Cakes (3)
- CUL 242—Advanced Breads and Pastry (10)
- CUL 264—Advanced Breads and Pastry Theory (3)
- CUL 297—Baking and Pastry Capstone Project (1)

TOTAL CREDITS: 17

Notes: * Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class. (MATH 096 or higher is required for the one-year certificate). (CUL 111 fulfills the WMATH 100 requirement for Culinary Arts).

‡ CUL 199 may be taken at any time during the two-year program with Department Chair approval.

✓ or a valid CPR/First Aid certification from an approved provider

CULINARY ARTS, CULINARY, AAS

Sample career options include:

- Food Service Manager
- Chefs and Head Cooks
- Cook, Restaurant

Degree Intent and Transfer Options

Upon completion, Workforce degrees and/or certificates are intended to give students the skills needed to move directly into employment. These degrees also prepare alumni for entry to a BAS degree program. While these degrees are not intended to transfer to a university, students will be eligible to apply for admission to Skagit Valley College's Bachelor of Applied Science - Management (BAS-M) degree or SVC's Environmental Conservation, BAS (BAS-EC) and, in some cases, could transfer to other schools. If you are interested in continuing your education by entering a bachelor's degree program, please work closely with your Academic Advisor and Department Chair.

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Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

100 credits

FIRST YEAR

Fall Quarter

- †CUL 111—Culinary Math (5)
- CUL 123—Safety & Sanitation (3)
- CUL 170—Introduction to Culinary Arts (1)
- CUL 210—Human Resources Management and Supervision (3)
- CSS 103—First Quarter Experience (2)

TOTAL 14

Winter Quarter

- CUL 171—Cooking Fundamentals (3)
 - CUL 172—Stocks, Soups and Sauces (3)
 - CUL 173—The Cold Kitchen (3)
 - CUL 174—Food Identification and Preparation (3)
 - †CUL 199—Cooperative Education Experience
 - ENGL& 101—English Composition I (5)
- Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into ENGL 101.*

TOTAL 18

Spring Quarter

- CUL 101—Sustainable Food System Practices (3)
- CUL 184—Remarkable Service (3)
- CUL 185—American Regional Cuisines (10)

TOTAL 16

SECOND YEAR

Fall Quarter

- CUL 164—Baking Theory (3)
- CUL 165—Baking Lab (10)
- CUL 236—Controlling Foodservice Costs (3)
- CUL 237—Wine and Beverage Studies (3)

TOTAL CREDITS: 19

Winter Quarter

- CUL 238—Garde Manger (3)
- CUL 241—International Cuisines (10)
- CUL 284—Food Business Concepts (3)
- CUL 298—Culinary Capstone Project (1)

TOTAL CREDITS: 17

Spring Quarter

- †CUL 199—Cooperative Education Experience (5)
(Sign up for 4 credits)
- CMST& 210—Interpersonal Communication: E (5)
- NUTR& 101—Nutrition (5)
- PE 200—First Aid, Safety, and CPR (2)
or a valid CPR/First Aid certification from an approved provider.

TOTAL CREDITS: 16

Notes: † Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class. (MATH 096 or higher is required for the one-year certificate). (CUL 111 fulfills the WMATH 100 requirement for Culinary Arts).

‡ CUL 199 may be taken at any time during the two-year program with Department Chair approval.

CULINARY CERTIFICATES

CULINARY ARTS, PROFESSIONAL COOKING CERTIFICATE

60 credits

REQUIRED COURSES

A Certificate in Professional Cooking is awarded to those who complete a three-quarter sequence of 3 modules with a minimum C grade or above in each course, and complete the additional required courses with a minimum C grade or above in each course.

1st Quarter

- CUL 164—Baking Theory (3)
- CUL 165—Baking Lab (10)

TOTAL CREDITS: 13

2nd Quarter

- CUL 170—Introduction to Culinary Arts (1)
- CUL 171—Cooking Fundamentals (3)
- CUL 172—Stocks, Soups and Sauces (3)
- CUL 173—The Cold Kitchen (3)
- CUL 174—Food Identification and Preparation (3)

TOTAL CREDITS: 13

3rd Quarter

- CUL 184—Remarkable Service (3)
- CUL 185—American Regional Cuisines (10)

TOTAL CREDITS: 13

Additional Required Courses

- CUL 101—Sustainable Food System Practices (3)
- CUL 111—Culinary Math (5)
or MATH 096—Pre-Algebra (5)
or WMATH 100—Professional Technical Applied Math (5)
- CUL 123—Safety and Sanitation (3)
- CUL 199—Cooperative Education Experience (1)
- CUL 237—Wine and Beverage Studies (3)
- ENGL 099—Basic Composition (5)
or ENGL& 101—English Composition I (5)
- PE 200—First Aid, Safety, and CPR (2)
or PE 205—Basic First Aid (1)

CULINARY ARTS, BASIC BAKERY COMPETENCE MICRO-CERTIFICATE

16 credits

REQUIRED COURSES

A certificate is awarded to students who complete the following courses with a minimum C grade or above in each course:

- CUL 123—Safety Sanitation (3)
- CUL 164—Baking Theory (3)
- CUL 165—Baking Lab (10)

TOTAL CREDITS: 16

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DATA MANAGEMENT AND ANALYTICS

Overview

Data Management and Analytics (DATA) is a forward-thinking, interdisciplinary program that allows students to get an entry level job in the area of data management and analytics.

The Data Management and Analytics program focuses on providing students with the skills to empower ethical data-informed decision-making in business contexts. The DATA degree consists of the theory, technology, and practical skills necessary for data collection, transmission, analysis, and utilization. DATA focuses on four broad areas:

1. Ethical data-informed decision-making in business contexts.
2. Effective communication of data insights to diverse stakeholders.
3. Essential skills in project management to navigate the analytics project lifecycle.
4. Hands-on experience in modern technologies that support data storage, data preparation, data analysis, and the reporting of data.

Content includes data literacy fundamentals; data preparation; project management for analytics; descriptive analysis; Structured Query Language (SQL); data privacy; data security; data ethics; data visualization; data storytelling; Python programming for analytics; relational databases; data engineering; business dashboards; machine learning; and predictive analytics. Students will learn the role of data in AI as well as how, when, and why Generative AI solutions can be used as a tool in analytics and what to look out for with GenAI results. The DATA program prepares students for today's digital landscape by staying current with disruptive technologies and fostering a growth mindset along with learning essential technology skills.

Learning Outcomes

General Education Learning Outcomes, [p. 156].

Upon completion of the SVC Information Management and Data Science program, students will be able to:

- Efficiently store and retrieve data in a relational database using a relational database management system (RDBMS) and Structured Query Language (SQL).
- Prepare quality datasets through data extraction, data ingestion, data cleaning, and data transformation.
- Communicate data insights to diverse stakeholders using visual representations.
- Apply descriptive and predictive analytics techniques on complex datasets to empower ethical and informed decision-making in business contexts.

Program Admissions

Please apply at **Enrollment Services**. Students may only begin this program Fall quarter.

Specialized Program Information

PROGRAM HIGHLIGHTS

- Offered hybrid with weekly in person classes on the Mount Vernon campus.
- Program completed in student cohorts with entry in Fall.
- Designed to build basic skills in data analysis fundamentals before moving on to more advanced concepts in data engineering, data architecture, business intelligence applications, and predictive analytics.
- Incorporated technology certifications and portfolio projects in coursework.
- Integrated internship that supports career readiness.
- Intended to give students the skills needed to move directly into employment. While workforce degrees are not intended to transfer to a university, DATA graduates will be eligible to apply for admission to one of SVC's Bachelors programs: Bachelor of Applied Science–Management, BAS degree

Work-based Learning

Cooperative education is integrated in the final year of the program. Students will transform data knowledge into practical work skills in a real work environment.

Degree Option

This program offers an Associate in Applied Science Degree, AAS degree in Data Management and Analytics. During their first year, SVC students are introduced to theory and the foundational skills to prepare, analyze, and visualize data. The first year of study also includes knowledge on data privacy, data ethics, and project management essential for any data practitioner. In the second year, students continue with more advanced topics in data including relational databases, Python programming for data analytics, data engineering, business dashboards, and predictive analytics. The program will be offered hybrid with weekly face-to-face meetings. The program includes experiential learning through a cooperative education internship course where students will execute data management and analytics concepts in a work environment.

Sample Career Options

Data science and analytics professionals are in high demand in the market. According to the U.S. Bureau of Labor Statistics (BLS), employment for Data scientists is projected to increase by 35.2% from 2022-2032. There are concerns that the future workforce is dangerously behind this growing demand. Companies expect their employees and contractors to be able to effectively analyze data and information. The median annual wage for data scientists in 2022 according to the BLS is \$103,500 USD/year. Sample job titles included in this report are Business Intelligence Developer, Data Analytics Specialist, Data Mining Analyst, and Data Visualization Developer. In comparison, this is more than double the median annual wage for all occupations which is \$46,310 USD/year.

There is high salary potential even as an entry-level analyst. The salary for Data Analysts in Washington State for candidates with less than one year of experience is estimated at

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approximately \$82,283 USD/year. The pay range for all Data Analysts in Washington State is reported from a low of \$58,805 to a high of \$128,169.

Potential career options include:

- Data Analyst with a Washington State salary range from \$58,805 to \$128,169.
- Business Intelligence Analyst with a Washington State salary range from \$64,335 to \$125,480.
- Data Engineer with a Washington State salary range from \$91,625 to \$189,306.
- Database Administrator with a Washington State salary range from \$65,491 to \$131,339.

All pay range data was sourced from Indeed.com in October 2023.

DATA MANAGEMENT AND ANALYTICS, AAS

Degree Intent and Transfer Options

Upon completion, Workforce degrees and/or certificates are intended to give students the skills needed to move directly into employment. These degrees also prepare alumni for entry to a BAS degree program. While these degrees are not intended to transfer to a university, students will be eligible to apply for admission to Skagit Valley College's Bachelor of Applied Science - Management (BAS-M) degree or SVC's Environmental Conservation, BAS (BAS-EC) and, in some cases, could transfer to other schools. If you are interested in continuing your education by entering a bachelor's degree program, please work closely with your Academic Advisor and Department Chair.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

For students who began the program in or before Summer 2024, an alternate program map may be obtained from the Dept. Chair, Gina Mulligan, at gina.mulligan@skagit.edu.

90 credits

FIRST YEAR

Fall Quarter

- DATA 101–Introduction to Data (5)
- DATA 115–Data Preparation (5)
- BUS 120–Business Computers and Applications (5)
- CSS 103–First Quarter Experience (2)

TOTAL CREDITS: 17

Winter Quarter

- DATA 125–Descriptive Analysis (5)
- DATA 130–Introduction to SQL (5)
- DATA 135–Project Management for Analytics (5)

TOTAL CREDITS: 15

Spring Quarter

- DATA 145–Data Privacy, Security, and Ethics (5)
- DATA 150–Data Visualization and Storytelling (5)
- BUS 220–Excel for Business (5)

TOTAL CREDITS: 15

SECOND YEAR

Fall Quarter

- DATA 210–Python Programming for Data Analytics (5)
 - DATA 230–Relational Databases (5)
 - ENGL& 101–English Composition I (5)
- Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.

TOTAL CREDITS: 15

Winter Quarter

- DATA 215–Data Engineering (5)
 - DATA 225–Business Dashboards (5)
 - MATH& 146–Introduction to Statistics (5)
- Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.

TOTAL CREDITS: 15

Spring Quarter

- DATA 199–Community Contribution / Cooperative Education (5)
Only 3 credits will be required for this class.
- DATA 240–Predictive Analytics (5)
- CMST& 210–Interpersonal Communication: E (5)

TOTAL CREDITS: 13

DENTAL THERAPY

Overview

Dental Therapy (DT) dəxˈx̌ayəbus (pronounced as dahf-hi-ya-boos) is a Lushootseed phrase that translates as a Place of Smiles. Lushootseed is a common language of coastal Salish tribes, made up of many local dialects of Native Americans throughout the Puget Sound region. The objective of the Dental Therapy (dəxˈx̌ayəbus) program is to deliver “smiles” because smiles are strong indicators of personal confidence as well as physical and mental health.

The Dental Therapy program (dəxˈx̌ayəbus) was created to increase access to quality, culturally responsive providers who are oral health advocates in their communities. The expectation is that graduates of the Dental Therapy (dəxˈx̌ayəbus) program will be skilled clinicians who practice with confidence, and value the patient/provider relationship. Graduates will have learned to treat all individuals with respect, and value the importance of life-long learning.

NOTE: dəxˈx̌ayəbus Dental Therapy is a self-supporting program. Please note that per credit tuition differs from the state tuition rate.

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Learning Outcomes

General Education Learning Outcomes, [p. 156].

Graduates of the Dental Therapy program will be able to:

- Develop clinical care through a holistic health team approach that is grounded in evidence-based practices, rich in cultural humility, public health, and community awareness.
- Recognize the complexity of patient care and partner with patients to collaborate with other dental specialists and healthcare providers in managing patient's comprehensive oral health.
- Comprehend the oral health needs of underserved communities, specifically native communities, and become oral health advocates when leading community service-related activities.
- Apply scientific knowledge when learning, researching, and delivering oral health care by utilizing critical thinking and evidence-based decision-making.

Dental Therapy Curriculum

The program is based on a non-dental hygiene model.

The 28-month curriculum is designed to develop graduates who have the knowledge base and understand the values of patient/provider interaction. Graduates will have demonstrated competence in the skill sets necessary to begin the practice of dental therapy.

In Year 1, the curriculum theme is devoted to Preparation (Quarters 1 and 2) and Processing (Quarters 3 and 4) of information to serve as the foundation for future attainment of competence. In addition, students begin the development of the psychomotor skills through simulated preclinical educational activities and formative assessments.

Year 2 curriculum builds on the content from Year 1 by combining didactic and psychomotor learning with clinical experience. The theme during Year 2 is Application (Quarter 5) and Integration (Quarters 6, 7 and 8). Both cognitive, affective, and psychomotor skills move beyond the preclinical foundations and experiences introduced in Year 1.

Year 3 will take place at the student's precepting clinic and is designed as an immersion into the practice of dental therapy. The theme of this year (Quarter 9) is Reflective Practice. Students will continue to develop as a competent dental therapist through the synthesis, application and interpretation of all cognitive, affective, and psychomotor skills learned in Years 1 and 2. Students will continue to be evaluated and will be provided feedback to aid in their growth and confidence building.

Program Accreditation

Dental Therapy is approved by the Northwest Commission on Colleges and Universities (NWCCU) and Washington State Board for Community and Technical Colleges (SBCTC).

- NWCCU—8060 165th Avenue NE, Suite 200, Redmond, WA 98052. Telephone: 425.558.4224

- SBCTC—1300 Quince St SE, 4th floor, Olympia, WA 98504-2495. Telephone: 360.704.4400

The Dental Therapy (dæxˈxayəbus) program is accredited by the Commission on Dental Accreditation. The Commission is a specialized accrediting body recognized by the United States Department of Education. The Commission on Dental Accreditation can be contacted at (312) 440-4653 or at 211 East Chicago Avenue, Chicago, IL 60611. The Commission's website address is: <https://coda.ada.org/>.

Program Admissions

The Dental Therapy (dæxˈxayəbus) program is a selective admissions program with a dedicated application process. Prospective students who successfully complete the admissions process described below will be contacted for an interview. The format of the interview is designed to select students who are adaptable, active listeners, and motivated to address oral health issues. Applicants who successfully pass the interview phase will be given a conditional acceptance status. For final acceptance into the program, applicants must clear a background check and drug screening through a third-party HIPAA-compliant enterprise system, provide a record of immunization(s), and have a completed Clinical Affiliation Agreement.

ADMISSIONS PROCESS:

Dental Therapy uses the following minimum requirements for admission:

- Students may only enter the Dental Therapy program at the beginning of Fall quarter.
- Complete the online Admissions Application (OAAP) that is required for general admission to Skagit Valley College. Go to www.skagit.edu/getstarted to apply for admission at Skagit Valley College.
- Complete a supplemental application (which accompanies OAAP), and a Dental Therapy program specific application.
- Must have a High school diploma or equivalent.
- Must be 18 years or older at time of application.
- Must have proof of 50+ hours of dental clinic experience.
- Must pass a comprehensive background check including a national multi-state criminal background check via a third-party vender.
- Must pass a drug screening test via a third-party vender.
- Must have proof of current immunizations/vaccinations against diphtheria, tetanus, pertussis, MMR, hepatitis B, varicella, annual influenza, COVID vaccination, and negative Tuberculosis (TB) evaluation via a third-party vender.
- Must have proof of health insurance.
- Compose an essay of 300-500 words maximum answering the following questions:
 1. Describe how you are involved in your community and how will you influence oral care services as a dental therapist.

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- Describe and provide examples of your strengths that will shape you into an oral healthcare advocate and life-long learner.

ADDITIONAL PROGRAM REQUIREMENTS FOR ADMISSION

- Provide the name and contact information (address, email, and phone number) of the Health Administrator responsible for completing the Clinical Affiliation Agreement.
- Provide the name and contact information (address, email, and phone number) of the individual(s) who will be the Supervising Dentist(s).
- Provide two letters of recommendation from teachers, employers, or supervisors.

Program Remediation Process

Progression in the Dental Therapy program is dependent on a satisfactory performance rating. Students must achieve a cumulative final grade of at least 74% (a grade of "C") to pass a course. A score of 73.9% is not considered a passing grade by the Dental Therapy program. There is absolutely no rounding up of scores.

If a student is not passing a course, the instructor will meet with the student to schedule one-on-one instructional session(s). The goal is to identify students who need tutoring to understand the basics before attempting to learn more complex concepts. The tutoring sessions are documented.

If a student fails an entire course:

- Any student with a course grade of 73.9% (failing) will have the opportunity to improve their grade with remediation and an improvement plan created by the instructor.
- A final grade for a course that has been remediated will not exceed 74%.
- If a student fails to meet the requirements described in the improvement plan, the remediation results will go to the dæx"Xayëbus-Student Assessment Committee (dSAC) for review. dSAC's recommendations will be forwarded to the Program Director.
- A student can submit an appeal letter to dSAC explaining the circumstances regarding course failure. The dSAC will review the circumstances and make a recommendation to the Program Director.
- The Program Director will review the dSAC recommendations and make a final decision.

Students who are failing two or more courses in the same quarter and cannot complete remediation will be dismissed from the Dental Therapy program. Any student who remediates more than two quarters in the program will be referred to the dSAC committee to determine if the student can remain in the program and the conditions of remediation if permitted. Otherwise, the student will be dismissed from the program.

Students must also maintain a passing score in professionalism throughout the program. Any student who falls below a 74% in professionalism will be referred to the dSAC committee to determine any remediation and if the student is permitted to remain in the program.

Lastly, students who miss more than 10% of their pre-clinical or clinical required hours in a given quarter may be dismissed from the program and eligible for re-entry the following year if they are in good standing otherwise and meet the re-entry requirements. A student may be able to continue on in the program if they miss more than 10% of their clinical hours but it will require that they enroll in additional clinic hours before they are eligible for their preceptorship. Students will be required to pay additional tuition and fees that are associated with the number of clinical hours they are required to make up.

Program Dismissal and Re-entry

Once admitted to the Dental Therapy program, students must comply with the rules and regulations of the program and any of the clinical affiliates or be subject to dismissal from the program. See the Dental Therapy Student Handbook for more information.

Students must perform in a safe and competent manner in the clinical facilities and comply with the rules and regulation of the Dental Therapy department and clinical affiliates.

Failure to do so may result in immediate dismissal from the clinical facility and the Dental Therapy program. Unsafe practice in the clinical setting may result in a failing grade in the clinical practicum courses.

Prior students not currently enrolled in the program who wish to re-enter must petition for readmission. Prior students who have not attended school for four or more quarters must meet with the program director before continuing in the program. Selected courses may need to be repeated before a student will be placed in a clinical practicum. Students who have not attended for more than a year prior may need to complete practicum placement or to retake clinical, core program, and/or science courses that have regularly updated curriculum. Students will be assessed based on past performance, current performance and experience, and then given an individualized remediation plan of courses to become practicum eligible. Practicum placement may be delayed due to full cohorts; students reentering may plan on being placed into the next available open practicum cohort group.

Specialized Program Information

CERTIFICATION/LICENSURE

Upon successful completion of graduation requirements, student will earn Associate in Applied Science (AAS) degree in Dental Therapy. Graduates become eligible to be certified/licensed through regional certification/licensure boards.

DENTAL THERAPY PROGRAM LOCATIONS

The Dental Therapy program at SVC is offered at the Mount Vernon Campus and Swinomish Indian Tribal Community (SITC) Dental Clinic.

- Mount Vernon Campus – 2405 E College Way, Mount Vernon, WA 98273
- SITC Dental Clinic – 17395 Reservation Rd., PO Box 332, La Conner, WA 98257
- Students have community rotations around the state of WA that will require additional travel.

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- Additional community rotation sites around the state of WA as assigned

Program Notes

For additional information about the Dental Therapy program, go to SVC's website at skagit.edu/dentaltherapy.

DENTAL THERAPY, AAS

Degree Intent and Transfer Options

Upon completion, Workforce degrees and/or certificates are intended to give students the skills needed to move directly into employment. These degrees also prepare alumni for entry to a BAS degree program. While these degrees are not intended to transfer to a university, students will be eligible to apply for admission to Skagit Valley College's Bachelor of Applied Science - Management (BAS-M) degree or SVC's Environmental Conservation, BAS (BAS-EC) and, in some cases, could transfer to other schools. If you are interested in continuing your education by entering a bachelor's degree program, please work closely with your Academic Advisor and Department Chair.

Program Map

Program Maps are an integral part of the Planning Guide. The Dental Therapy program map shows the required quarterly sequence of courses so students can earn their degree in twenty-eight months of full-time attendance. Students may only begin the program Fall quarter.

Dental Therapy courses are only offered in the quarter listed for each class.

155 credits

FIRST YEAR

Fall Quarter

- DT 101–Fundamentals of Dental Therapy I (4)
- DT 111–Dental Therapy Lab I (2)
- DT 131–Oral Health Education I (2)
- CSS 103–First Quarter Experience (2)
- CMST& 210:E–Interpersonal Communication (5)
- ENGL& 101–English Composition I (5)

TOTAL CREDITS: 20

Winter Quarter

- DT 102–Fundamentals of Dental Therapy II (4)
- DT 112–Dental Therapy Lab II (6)
- DT 132–Oral Health Education II (2)
- BIOL& 170–Human Anatomy (5)
- MATH& 146–Introduction to Stats (5)

TOTAL CREDITS: 22

Spring Quarter

- DT 113–Dental Therapy Lab III (4)
- DT 142–Anatomy, Physiology, Head & Neck, and Pathology (3)
- DT 144–Cariology and Minimally Invasive Dentistry (3)
- DT 156–Hygiene and Periodontology (3)
- DT 231–Community Oral Health Programs I (2)

TOTAL CREDITS: 15

Summer Quarter

- DT 114–Dental Therapy Lab IV (7)
- DT 135–Diagnosis and Treatment Planning (3)
- DT 143–Preclinical Operative (5)
- DT 232–Community Oral Health Programs II (1)
- DT 265–Local Anesthesia (2)

TOTAL CREDITS: 18

SECOND YEAR

Fall Quarter

- DT 200–Introduction to Clinical Care (4)
- DT 210–Dental Therapy Skill Consolidation (3)
- DT 221–Professional Dental Therapy Practice I (3)
- DT 235–Advanced Diagnosis and Treatment Planning (3)
- DT 261–Pharmacy and Medical/Dental Emergency (4)

TOTAL CREDITS: 17

Winter Quarter

- DT 133–Oral Health Education III (2)
- DT 201–Advanced Dental Therapy Concepts I (2)
- DT 211–Dental Therapy Clinic I (6)
- DT 222–Professional Dental Therapy Practice II (2)
- DT 241–Community Rotations I (2)
- DT 280–Digital Health Communications (2)

TOTAL CREDITS: 16

Spring Quarter

- DT 202–Advanced Dental Therapy Concepts II (2)
- DT 212–Dental Therapy Clinic II (8)
- DT 223–Professional Dental Therapy Practice III (2)
- DT 240–Oral Health Education IV (2)
- DT 242–Community Rotations II (2)

TOTAL CREDITS: 16

Summer Quarter

- DT 203–Advanced Dental Therapy Concepts III (2)
- DT 213–Dental Therapy Clinic III (8)
- DT 224–Professional Dental Therapy Practice IV (3)
- DT 243–Community Rotations III (2)

TOTAL CREDITS: 15

THIRD YEAR

Fall Quarter

- DT 295–Preceptorship (14)

TOTAL CREDITS: 14

DIESEL POWER TECHNOLOGY

Overview

The Diesel Power Technology (DSL) program is designed to prepare students for employment in an exciting and growing field. Diagnosis and repair of heavy trucks, industrial and agricultural machinery, transit, marine, and generator power sets are but a few of the career pathways graduates can take upon concluding the program. This efficient energy source is widely used, and provides jobs for those who enjoy working on heavy-duty equipment and the challenges of troubleshooting and diagnosing the ever-increasing use of electronic controls in the diesel industry.

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Since many of today's systems are electronically controlled, the demand for trained technicians is greater than ever. Employers want employees who can understand a system and troubleshoot a problem logically. The Diesel Power Technology program provides training to fill that critical void.

The six-quarter Diesel Power Technology program combines classroom theory with hands-on experience in a well-equipped diesel shop, where students have the opportunity to work on modern diesel engines as well as a variety of drive train components. Electronic diagnostics are emphasized throughout the course, not only with engines but also components such as transmissions and ABS brakes. A modern computer lab will also help prepare students to retrieve repair information electronically, a skill which is becoming mandatory in today's workforce.

Students will be required to provide their own basic set of hand tools during their first quarter of the program and keep them at the diesel shop for the duration of their training.

Sample career options include:

- Bus and Truck Mechanics and Diesel Engine Specialists
- Farm Equipment Mechanics and Service Technicians
- Mobile Heavy Equipment Mechanics

Learning Outcomes

General Education Learning Outcomes, [p. 156].

Program Learning Outcomes

Graduates of the Diesel Power Technology program will be able to:

- Demonstrate an ability to arrive on time and be prepared to go to work at the appointed time.
- Be proficient at locating specific technical information regarding various repair procedures.
- Demonstrate proficiency with electrical diagnostics and meter usage.

Program Admissions

Please apply at **Enrollment Services**. Students may enter the Diesel Power Technology program at the beginning of Fall quarter only. For more information, contact the Department Chair, Enrollment Services, or visit the diesel shop.

Specialized Program Information

WORK-BASED LEARNING

Students will integrate classroom learning with work-based learning experience in Cooperative Education (DSL 199) at a supervised work site. Department Chair approval is required. Credits and grades are based on job-hours worked, work performance and completion of the learning objectives specified in the learning contract. Concurrent enrollment in a Cooperative Education Seminar or equivalent is required.

Degree Option

The Associate in Applied Science degree (AAS) is awarded upon completion of a minimum of 90 credits of specified technical and related education coursework above 100-level with both an overall 2.0 grade point average and a 2.0 grade point average in the technical major.

DIESEL POWER TECHNOLOGY, AAS

Degree Intent and Transfer Options

Upon completion, Workforce degrees and/or certificates are intended to give students the skills needed to move directly into employment. These degrees also prepare alumni for entry to a BAS degree program. While these degrees are not intended to transfer to a university, students will be eligible to apply for admission to Skagit Valley College's Bachelor of Applied Science - Management (BAS-M) degree or SVC's Environmental Conservation, BAS (BAS-EC) and, in some cases, could transfer to other schools. If you are interested in continuing your education by entering a bachelor's degree program, please work closely with your Academic Advisor and Department Chair.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

99 Credits

FIRST YEAR

Fall Quarter

- * DSL 101—Diesel Electrical Theory (4)
- * DSL 102—Diesel Drivetrains I (8)
- ~ CSS 103—First Quarter Experience (2)

TOTAL CREDITS: 14

Winter Quarter

- DSL 103—Diesel Drivetrains II (13)
- † ENGL& 101—English Composition I (5)

TOTAL CREDITS: 18

Spring Quarter

- DSL 104—Diesel Drivetrains III (13)
- † WMATH 100—Professional Technical Applied Math (5)

TOTAL CREDITS: 18

SECOND YEAR

Fall Quarter

- * DSL 201—Diesel Applied Electrical (4)
- * DSL 202—Diesel Engines I (8)
- WT 131—Shielded Metal Arc Welding for Beginners (2)

TOTAL CREDITS: 14

Winter Quarter

- DSL 203—Diesel Engines II (13)
- PE 200—First Aid, Safety, and CPR (2)
or PE 205—Basic First Aid (1) or MANF 121 (1)
- CMST& 210—Interpersonal Communication: E (5)

TOTAL CREDITS: 19

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Spring Quarter

- ‡ DSL 199—Diesel Cooperative Education 15 (1)
- DSL 204—Diesel Engines III (13)
- WT 133—Oxy-Fuel Processes for Beginners (2)

TOTAL CREDITS: 16

Notes: *Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.

~or prior completion of degree/certificate or one quarter or 15 credits of college level course work with a 3.0 GPA or better.

‡ DSL 199 may be taken at any time during the two-year program with Department Chair approval.

*First year students starting in odd years (such as 2025, 2027, etc.) take the following classes in Fall quarter: DSL 101 and DSL 102. Second year students take the following classes in fall quarter: DSL 102 and DSL 201.

*First year students starting in even years (such 2026, 2028, etc.) take the following classes Fall quarter: DSL 101 and DSL 202. Second year students take the following classes in fall quarter: DSL 201 and DSL 202.

Both first and second-year students enroll in the DSL class offered winter quarter and spring quarter.

EARLY CHILDHOOD EDUCATION

Overview

The Early Childhood Education (ECED) program prepares students for positions working with young children and families in a variety of early care and education settings. Students may pursue an Associate in Applied Science Degree, AAS, an Associate of Education degree (A.Ed.), a one-year certificate, or multiple program certificates. Graduates of an Early Childhood Education degree program are often employed as lead teachers, family home visitors, or administrators in childcare, Head Start, Early Childhood Education and Assistance Program (ECEAP), and preschool programs.

Learning Outcomes

General Education Learning Outcomes, [p. 156].

Program Learning Outcomes

Graduates of the Early Childhood Education program will be able to:

- Use knowledge of key child development theories and current research to analyze and understand children's perspectives, behavior and development.
- Develop strategies for connecting with and supporting the child and family that recognize the interconnectedness of the child, family, and community and the impacts of culture and structural inequity on their lives.
- Use effective teaching strategies that adapt and change to meet student's needs.

- Use observation and documentation as tools to understand the development, learning, and behavior of young children and use that knowledge for curriculum development.
- Create engaging curriculum that is based on knowledge of children's developmental needs, established learning outcomes, and children's interest.

Program Admissions

Students may enter the program at the beginning of any quarter. For specific information, contact **Enrollment Services** or the Department Chair.

According to Washington State law RCW 43.43.830, any person with a positive criminal history for "crimes against persons" is not allowed to work with children. Background checks of criminal history are required of all students who work with children in any setting. Students with a criminal background should complete a background check with the Department of Children Youth and Families prior to enrolling in the program to make sure they will be able to complete the practicum requirement and gain employment after graduation.

Specialized Program Information

WORK-BASED LEARNING

Students will integrate classroom learning with work-based learning experience in practicum at a supervised work site. Department Chair approval is required. Credits and grades are based on hours worked, work performance, and completion of the learning objectives specified in the course syllabus.

Each quarter students will enroll in a practicum course and will spend 2-6 hours each week working or volunteering in an early learning classroom. If a student is currently employed as an early childhood educator, you can complete most of your required practicum hours at your workplace. If you are not currently employed as an early childhood educator, we will assist you in finding a volunteer placement in an early learning program.

During the final quarter of the AAS and the Associate in Education degrees, students will compete a capstone practicum experience. Each student will be required to volunteer 12-15 hours of work each week in a practicum setting. Associate in Education students must be in a K-3rd grade classroom for their capstone practicum.

All ECED courses require extensive reading and writing. Students should expect to participate in both individual and group assignments.

Degree and Certificate Options

An **Associate in Applied Science Degree, AAS** [p. 96] is awarded upon completion of a minimum of 90 credits of specified technical and related education coursework above 100-level with both an overall 2.0 grade point average and a 2.0 grade point average in the technical major. This degree is intended for students who want to work with children aged birth to five years old and are not interested in pursuing a Bachelor's degree.

6 GENERAL DEGREE/PROGRAM INFORMATION

BAS-AMD • BAS-ECE • BAS-EC • BAS-M • BASM-HM • BS-CS • AA-DTA • AS-T • AVA • DTA/MRP • A.Ed. • AAS • AAS-T • AS-T/MRP • CERTIFICATES AND MICRO-CERTIFICATES

An **Associate in Education, Early Childhood Education, A.Ed.** [p. 124] degree is intended for students who want to work with children aged birth to age 8 and who are interested in pursuing a Bachelor's degree. If a student completes the Associate in Education degree requirement, they are eligible to be awarded the AA-DTA as well. Students completing the Early Childhood Education, A.Ed. degree must complete all of the General Education requirements for the AA-DTA except for the Communication Studies requirement. The A.Ed. degree will be granted to SVC students completing with a cumulative 2.0 GPA. Entry into a baccalaureate program will require a higher GPA for admission. This degree does not guarantee admission into a Bachelor's program. You will need to work closely with your advisor if you intend to pursue this option to make sure your classes meet all the requirements of the AA-DTA. Educational plans may vary based on which quarter you begin, how many credits are taken, placement into Math and English, and your preferred transfer institution.

The ECED certificates listed below have been aligned with statewide standards to improve transferability. These certificates are "stackable," i.e. build on each other, beginning with the ECED initial micro-certificate, which is equivalent to a Child Development Associate (CDA) certificate, followed by any one of the 20-credit certificates. The State ECED certificate requires taking all of the courses listed for the "stackable" certificates plus the general education courses of ENGL& 101 and WMATH 100 or above.

Sample career options include:

- Preschool Teacher
- Childcare Worker
- Education Administrator, Preschool, and Childcare Center/Program

Certification/Licensure

Early Childhood Education (ECE): All ECE certificates and degrees are designed with Washington State licensure requirements in mind. Guided by the standards of the **National Association for the Education of Young Children (NAEYC)**, the **Washington Department of Children, Youth, and Families (DCYF)** has defined the requirements for "stackable certificates" that allow ECE professionals to add skills while working in the field. SVC certificates and associate degrees meet the NAYEC standards, and the credit thresholds and requirements set by DCYF. Certificates meeting Washington State DCYF standards will transfer to most, but not all, other states under the **National Association of State Directors of Teacher Education and Certification (NASDTEC) Interstate Agreement**. However, several states offer an accelerated certification option rather than full reciprocity for ECE licensure. In addition, New Mexico, New York, and South Dakota have not signed the NASDTEC, and therefore have limited reciprocity.

The Bachelor of Applied Science (BAS) in Early Childhood Education prepares graduates to earn a Residency Teaching Certificate in Washington State with an endorsement in ECE. Admission to the program requires **passing the WEST-B test** of basic skills, or an alternate assessment approved by the Washington Professional Educators Standards Board. Furthermore, earning the content endorsement in ECE required

to teach ECE in Washington requires candidates to either (A) pass the **NES assessment of content knowledge in Early Childhood Education**; or demonstrate proficiency in the content areas by compiling a portfolio of teaching materials for SVC's case-by-case exception process.

Candidates usually take the NES assessment in their second year in the program. Furthermore, earning a Washington teaching certificate requires fingerprinting and successful passage of background checks from the Washington State Patrol and the FBI. Individuals who hold a Washington Residency Teaching Certificate may also teach in Arizona, Florida, Hawaii, Illinois, Mississippi, Missouri, Nevada, and Oklahoma. Other states do not have direct reciprocity with Washington State, but a Washington State teaching certificate may be used for accelerated licensure in many states. Please see the **Education Commission's 50 State Comparison** for more detail.

EARLY CHILDHOOD EDUCATION, AAS

Degree Intent and Transfer Options

Upon completion, Workforce degrees and/or certificates are intended to give students the skills needed to move directly into employment. These degrees also prepare alumni for entry to a BAS degree program. While these degrees are not intended to transfer to a university, students will be eligible to apply for admission to Skagit Valley College's Bachelor of Applied Science - Management (BAS-M) degree or SVC's Environmental Conservation, BAS (BAS-EC) and, in some cases, could transfer to other schools. If you are interested in continuing your education by entering a bachelor's degree program, please work closely with your Academic Advisor and Department Chair.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

90 credits

FIRST YEAR

Fall Quarter

- ECED& 105 – Introduction to Early Childhood Education (5)
- ECED& 120 – Nurturing Relationships (2)
- CSS 103 – First Quarter Experience (2)
- † ENGL& 101 – English Composition I (5)

TOTAL CREDITS: 14

Winter Quarter

- ECED& 107 – Health, Safety, and Nutrition (5)
- ∞ Special (3)
- EDUC& 130 – Guiding Behavior (3)
- WMATH 100 – Professional Technical Applied Math (5) or BUS 111 – Business Math or MATH 107 – Math in Society

TOTAL CREDITS: 16

6 GENERAL DEGREE/PROGRAM INFORMATION

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Spring Quarter

- ECED& 190—Observation and Assessment (3)
- EDUC& 115—Child Development (5)
or EDUC 122—Child Development II
with department chair permission
- EDUC& 150—Child, Family, and Community (3)
- SPAN& 121—Spanish I (5)

TOTAL CREDITS: 16

SECOND YEAR

Fall Quarter

- ECED& 160—Curriculum Development (5)
- ECED& 180—Language and Literacy Development (3)
- ECED 201—Art, Music, and Movement for Children (4)
- * Elective (3)

TOTAL CREDITS: 15

Winter Quarter

- ECED 101—Child Abuse and Neglect (2)
- ECED 211—Equity in Education: E (3)
- EDUC& 203—Exceptional Child (3)
- CMST& 210:E—Interpersonal Communication: E (5)
or CMST& 220—Public Speaking (5)
- PE 200—First Aid, Safety, and CPR (2)

TOTAL CREDITS: 15

Spring Quarter

- ECED& 170—Learning Environments (3)
- ECED 202—Math and Science Learning for Children (4)
- ECED 223—Practicum and Seminar (4)
- EDUC 246—Working with Bilingual Children (3)

TOTAL CREDITS: 14

Notes: ∞ Specialization, choose one 3-credit class from the following: ECED& 132, ECED& 134, ECED& 139, or ECED& 260.

* Electives (total of 3 credits).

† Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.

EDUCATION, EARLY CHILDHOOD EDUCATION, A.ED.

The program map is provided as a guide for a traditional full-time student whose goal is to earn the Associate of Education degree. The courses are designed with the appropriate number of credits to meet degree requirements and are organized in a recommended sequence. The A.Ed. degree will be granted to SVC students completing with a cumulative 2.0 GPA. Please consult with an SVC advisor to schedule courses and develop an educational plan.

Students completing the Early Childhood Education, A.Ed. degree must complete all of the General Education requirements for the AA-DTA, except for the Communication Studies requirement.

111 credits

FIRST YEAR

1st Quarter

- CSS 103—First Quarter Experience (2)
- ECED& 105—Introduction to Early Childhood Education (5)
- ECED& 120—Nurturing Relationships (2)
- ENGL& 101—English Composition I (5)

TOTAL CREDITS: 14

2nd Quarter

- ECED& 107—Health, Safety, and Nutrition (5)
- EDUC& 115—Child Development (5)
- EDUC& 130—Guiding Behavior (3)
- NUTR& 101—Nutrition (5)

TOTAL CREDITS: 18

3rd Quarter

- ECED& 190—Observation and Assessment (3)
- EDUC& 150—Child, Family, and Community (3)
- ENGL& 102—Composition II (5)
- MATH 099—Intermediate Algebra (5)

TOTAL CREDITS: 16

4th Quarter (Summer)

- CMST& 220—Public Speaking (5)
- PE 100—Wellness For Life (1)
- Specialization (3) *Specialization course options: ECED 132, ECED 134, ECED 139, ECED 170, or EDUC 136.*

TOTAL CREDITS: 9

SECOND YEAR

5th Quarter

- ECED& 160—Curriculum Development (5)
- ECED& 180—Language and Literacy Development (3)
- PHYS 111—Matter and Energy in Physics (5)
- SPAN& 121—Spanish I (5)

TOTAL CREDITS: 18

6th Quarter

- ECED 101—Child Abuse and Neglect (2)
- EDUC& 203—Exceptional Child (3)
- MATH& 107—Math in Society (5)
- SOC 204—Intro to Stratification and Inequality in America: E (5)

TOTAL CREDITS: 15

7th Quarter

- EDUC 223—Practicum and Seminar (1-5) (4)
- Natural Science course (5)
- **See Distribution Lists—AA-DTA, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- PE Activity (1). Select from a variety of courses to total 2 credits.
- Social Science course (5)
- **See Distribution Lists—AA-DTA, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.

TOTAL CREDITS: 15

8th Quarter

- Humanities course (5)
- **See Distribution Lists—AA-DTA, [p. 151].** Discuss specific course requirements with an SVC advisor. Students are responsible for checking specific major requirements of baccalaureate institutions.
- PE Activity (1). Select from a variety of courses to total 2 credits.

TOTAL CREDITS: 6

EARLY CHILDHOOD EDUCATION CERTIFICATES

These certificates are intended to provide students with specialized training and skills and meet the employment requirements for working in licensed childcare programs.

STATE EARLY CHILDHOOD EDUCATION CERTIFICATE

47-52 credits

All training for this certificate is based on the Washington State core competencies for early care and education professionals and the National Association for the Education of Young Children (NAEYC) standards. Upon successful completion of the certificate, the student will have demonstrated competency in the Washington State competencies for early childhood professionals, school-age professionals, or paraprofessionals. This credential meets the minimum educational requirements for childcare center directors.

Early Childhood Education (ECED) certificates have been aligned with state-wide standards to improve transferability. These certificates are “stackable,” i.e. build on each other, beginning with the ECED initial micro-certificate, which is equivalent to a Child Development Associate (CDA) certificate, followed by any one of the 20-credit certificates. The 47 credit ECED certificate requires taking all of the courses listed for the “stackable” certificates plus the general education courses of ENGL& 101 and WMATH 100 or BUS 111 or above. A certificate is awarded to students who complete the following courses with a 2.0 grade point average or above in all required coursework.

FIRST YEAR

First Quarter

- ECED& 105 – Introduction to Early Childhood Education (5)
- ECED& 120 – Nurturing Relationships (2)
- ECED& 115 – Child Development (5)
- CSS 103 – First Quarter Experience (2)

TOTAL CREDITS: 14

Second Quarter

- ECED& 107 – Health, Safety, and Nutrition (5)
- ECED& 170 – Learning Environments (3)
- ECED& 190 – Observation and Assessment (3)
- † ENGL& 101 – English Composition I (5)

TOTAL CREDITS: 16

Third Quarter

- ECED& 160 – Curriculum Development (5)
- ECED& 180 – Language and Literacy Development (3)
- EDUC& 150 – Child, Family, and Community (3)
- † WMATH 100 – Professional Technical Applied Math (5) or BUS 111 – Business Math (5) or above.

TOTAL CREDITS: 16

Fourth Quarter

- EDUC& 130 – Guiding Behavior (3)
If only ECED& 170 or EDUC& 130 is taken, then the student must take one of the following:
- ECED& 132 – Infant/Toddler Care (3)
- ECED& 134 – Family Childcare Management (3)
- ECED& 139 – Administration of Early Childhood Ed (3)

TOTAL CREDITS: 3

Notes: † Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.

STATE SHORT EARLY CHILDHOOD EDUCATION, ADMINISTRATION CERTIFICATE

20 credits

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.

A certificate is awarded to students who complete the following courses with a C or above in each course.

REQUIRED COURSES

- ECED& 105 – Introduction to Early Childhood Education (5)
- ECED& 107 – Health, Safety, and Nutrition (5)
- ECED& 120 – Nurturing Relationships (2)
- ECED& 139 – Administration of Early Childhood Ed (3)
- EDUC& 115 – Child Development (5)

STATE SHORT EARLY CHILDHOOD EDUCATION, FAMILY CHILDCARE CERTIFICATE

20 credits

Develop administrative skills required to develop, open, operate, manage, and assess a family childcare program

A certificate is awarded to students who complete the following courses with a C or above in each course.

REQUIRED COURSES

- ECED& 105 – Introduction to Early Childhood Education (5)
- ECED& 107 – Health, Safety, and Nutrition (5)
- ECED& 120 – Nurturing Relationships (2)
- ECED& 134 – Family Childcare Management (3)
- EDUC& 115 – Child Development (5)

6 GENERAL DEGREE/PROGRAM INFORMATION

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STATE SHORT EARLY CHILDHOOD EDUCATION, GENERAL CERTIFICATE

20 credits

A certificate is awarded to students who complete the following courses with a C or above in in each course.

REQUIRED COURSES

- ECED& 105 – Introduction to Early Childhood Education (5)
- ECED& 107 – Health, Safety, and Nutrition (5)
- ECED& 120 – Nurturing Relationships (2)
- EDUC& 115 – Child Development (5)
- EDUC& 130 – Guiding Behavior (3)

STATE SHORT EARLY CHILDHOOD EDUCATION, INFANT/TODDLER CARE CERTIFICATE

20 credits

Infant-Toddler specialists work with young children from birth to age 3 in a variety of early care and education programs. It is the responsibility of the Infant-Toddler specialist to both nurture and provide developmentally appropriate education in safe, supportive environments.

A certificate is awarded to students who complete the following courses with a C or above in in each course.

REQUIRED COURSES

- ECED& 105 – Introduction to Early Childhood Education (5)
- ECED& 107 – Health, Safety, and Nutrition (5)
- ECED& 120 – Nurturing Relationships (2)
- ECED& 132 – Infant/Toddler Care (3)
- EDUC& 115 – Child Development (5)

STATE SHORT EARLY CHILDHOOD EDUCATION, SCHOOL AGE CARE CERTIFICATE

20 credits

School-Age Care professionals work with children ages 5-12 in a variety of settings in family child care homes, profit or non-profit centers, public schools and community centers.

A certificate is awarded to students who complete the following courses with a C or above in in each course.

REQUIRED COURSES

- ECED& 105 – Introduction to Early Childhood Education (5)
- ECED& 107 – Health, Safety, and Nutrition (5)
- ECED& 120 – Nurturing Relationships (2)
- EDUC& 115 – Child Development (5)
- EDUC& 136 – School Age Care (3)

EARLY CHILDHOOD EDUCATION MICRO-CERTIFICATE

Typically two quarters or less, micro-certificates are focused on providing training in a specific skill.

STATE INITIAL EARLY CHILDHOOD EDUCATION, MICRO-CERTIFICATE

12 credits

All training for this certificate is based on the Washington State core competencies for early care and education professionals and the National Association for the Education of Young Children (NAEYC) standards. Students will be prepared for entry-level employment in childcare and preschool programs.

A certificate is awarded to students who complete the following courses with a C or above in in each course.

ECED Initial Certificate

This certificate is equivalent to a Child Development Associate (CDA) certificate. It is the first of three “stackable” certificates aligned with step 5 of Washington State’s Career Lattice for Early Care and Education Professionals. Level 2 core competencies are taught and assessed, enabling students to be hired into entry-level positions in child care and preschool programs.

REQUIRED COURSES

- ECED& 105 – Introduction to Early Childhood Education (5)
- ECED& 107 – Health, Safety, and Nutrition (5)
- ECED& 120 – Nurturing Relationships (2)

ENVIRONMENTAL CONSERVATION

Overview

The Environmental Conservation (ENVC) program at Skagit Valley College (SVC) offers a two-year curriculum for students dedicated to protecting natural resources and solving environmental problems. Through rigorous coursework and extensive fieldwork, students gain a strong foundation in ecological principles, sustainable resource management, and field technician skills.

Courses cover topics like plant and animal biology, species identification, and ecosystem dynamics, using a watershed-based approach to natural resource conservation.

This hands-on, place-based program prepares students for entry-level roles in federal, state, local, tribal, and private organizations, or for seamless transfer into the Bachelor of Applied Science in Environmental Conservation program.

6 GENERAL DEGREE/PROGRAM INFORMATION

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Learning Outcomes

General Education Learning Outcomes, [p. 156].

Program Learning Outcomes

Graduates of the Environmental Conservation AAS-T degree will be able to:

- Apply scientific processes and thinking to answer environmental and natural resource questions.
- Examine and discuss environmental issues through both ecological and social lenses.
- Identify a variety of organisms and their ecological roles, with an emphasis on regional species and taxonomic groups.
- Apply fundamental concepts of biology, ecology, and conservation to natural resources management and environmental problem-solving.

Program Admissions

Please apply at Enrollment Services. Students are generally admitted fall or winter quarters. It is highly recommended that students have completed their pre-college coursework before entry. However, students with relevant work experience or equivalent coursework may be admitted at other times with the Department Chair's permission. Advanced standing may be requested. For further information, contact the Department Chair, Madeleine Dupuy, or **Enrollment Services**.

WORK-BASED LEARNING

Students will integrate their classroom learning with work-based learning experience by participating in Cooperative Education (ENVC 199) at a supervised work site in an approved paid or volunteer position in an environmental business, state, federal or county administration or non-governmental organization working with environmental issues. Students who desire a degree and are already employed in the field may develop cooperative work positions with their current employer. A total of six credits are required. Department Chair approval is required. Credits and grades are based on job hours worked, work performance and completion of learning objectives. Concurrent enrollment in Cooperative Education Seminar is required. ENVC 199 may substitute for up to five credits of technical coursework with the permission of the Department Chair.

Degree and Certificate Options

SVC's Associate in Applied Science, Transfer Degree, AAS-T degree is awarded upon completion of the Environmental Conservation AAS-T degree program, or UW/UI-Transfer degrees with a minimum of 90 credits of specified technical and related education coursework above 100-level with both an overall 2.0 grade point average and a 2.0 grade point average in the technical degree courses. Entry into a baccalaureate program at a four-year school will generally require a higher GPA for admission.

Graduates may use their AAS-T degrees as a transfer degree to other comparable AAS-T degrees in natural resources.

CERTIFICATES

Certificates are intended to provide students with specialized training and skills.

MICRO-CERTIFICATES

Typically two quarters or less, micro-certificates are focused on providing training in a specific skill.

Sample career options include:

- Soil and Water Conservationists
- Forest and Conservation Technicians

ENVIRONMENTAL CONSERVATION, AAS-T

Degree Intent and Transfer Options

Upon completion, Workforce degrees and/or certificates are intended to give students the skills needed to move directly into employment. These degrees also prepare alumni for entry to a BAS degree program. While these degrees are not intended to transfer to a university, students will be eligible to apply for admission to Skagit Valley College's Bachelor of Applied Science - Management (BAS-M) degree or SVC's Environmental Conservation, BAS (BAS-EC) and, in some cases, could transfer to other schools. If you are interested in continuing your education by entering a bachelor's degree program, please work closely with your Academic Advisor and Department Chair.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

106 credits

FIRST YEAR

Fall Quarter

- ENVC 101 – Introduction to Watershed Management (5)
- ENVC 102 – Invertebrate Biology and Identification (5)
- CSS 103 – First Quarter Experience (2)
- † ENGL& 101 – English Composition I (5)

TOTAL CREDITS: 17

Winter Quarter

- ENVC 112 – Limnology (5)
- ENGL& 102 – Composition II (5)
or ENGL 235
- † MATH& 141 – Precalculus I (5)
or MATH 146
- PE 200 – First Aid, Safety, and CPR (2)

TOTAL CREDITS: 17

6 GENERAL DEGREE/PROGRAM INFORMATION

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Spring Quarter

- ENVC 122 – Stream Ecology (5)
- ENVC 140 – Plants of Western Washington (5)
- CHEM& 121 – Intro to Chemistry (5)
or CHEM 110 or CHEM 161

TOTAL CREDITS: 15

Summer Quarter

- ‡ ENVC 199 – ENVC Cooperative Education (1-5) (5)

TOTAL CREDITS: 5

SECOND YEAR

Fall Quarter

- ENVC 201 – Watershed Restoration (5)
- ENVC 202 – Wildlife Biology (5)
- GIS 101 – Introduction to Geographic Information Systems (5)

TOTAL CREDITS: 15

Winter Quarter

- ENVC 106 – Soil Science and Conservation (5)
- ^ ENVC Elective (5)
- ENVC 210 – Fish Biology and Ecology (5)
- ENVC 211 – Ecological Sampling and Monitoring Design (4)

TOTAL CREDITS: 19

Spring Quarter

- ENVC 220 – Wetlands in Managed Landscapes (5)
This class will be the required Learning Community along with CMST& 210.
- ENVC 222 – Field Project (3)
- CMST& 210 – Interpersonal Communication: E (5)
This class will be the required Learning Community along with ENVC 220, Equity designated.
- GIS 107 – Introduction to Global Positioning Systems (GPS) (5)

TOTAL CREDITS: 18

Note: † Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.

‡ ENVC 199 may be taken at any time during the two-year program with Department Chair approval.

^ Electives must be chosen from within Environmental Conservation, the sciences, or Geographic Information Systems.

ENVIRONMENTAL CONSERVATION CERTIFICATE

ENVIRONMENTAL CONSERVATION STUDIES, CERTIFICATE

45 credits

This certificate is specially designed for the student who has already earned a college degree and is interested in redirecting their career into environmental studies. A certificate is awarded to students who complete the following with a 2.0 grade point average or above.

Summer Quarter

- GIS 101 – Introduction to Geographic Information Systems (5)

TOTAL CREDITS 5

Fall Quarter

- ENVC 101 – Introduction to Watershed Management (5)
- ENVC 201 – Watershed Restoration (5)
- ENVC 202 – Wildlife Biology (5)

TOTAL CREDITS 15

Winter Quarter

- ENVC 112 – Limnology (5)
- ENVC 210 – Fish Ecology and Management (5)

TOTAL CREDITS 10

Spring Quarter

- ENVC 122 – Stream Ecology (5)
- ENVC 140 – Plants of Western Washington (5)
- ENVC 220 – Wetlands in Managed Landscapes (5)

TOTAL CREDITS 15

ENVIRONMENTAL CONSERVATION MICRO-CERTIFICATES

ADVANCED WETLAND DELINEATION, MICRO-CERTIFICATE

It takes approximately two quarters to complete these certificates. They are intended to provide students with specialized training and skills

19 credits

A certificate is awarded to students who receive a minimum C grade or above in each course.

REQUIRED COURSES

- ENVC 101 – Introduction to Watershed Management (5)
- ENVC 140 – Plants of Western Washington (5)
- ENVC 201 – Watershed Restoration (5)
- ENVC 220 – Wetlands in Managed Landscapes (4)

BASIC WETLAND DELINEATION, MICRO-CERTIFICATE

10 credits

The delineation certificates provide skills needed to assist/ conduct wetland delineation.

A certificate is awarded to students who complete the following courses with a 2.0 grade point average or above in each course.

REQUIRED COURSES

- ENVC 140 – Plants of Western Washington (5)
- ENVC 220 – Wetlands in Managed Landscapes (5)

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FAMILY LIFE

Overview

The Family Life (FL) program provides parents an opportunity to work with and observe their children in an educational setting. Technical assistance is provided to independently operated parent education cooperatives. Parents observe child behavior and practice skills and techniques useful in working with small groups of children.

Program Learning Outcomes

Parents who complete Family Life coursework will be able to:

- Identify basic concepts of child development.
- Describe child behavior.
- Demonstrate effective parent/child communication.
- Demonstrate positive guidance techniques.
- Demonstrate confidence in parental roles as the child's first and most important teacher.
- Actively engage in the child's "formal" educational experiences.
- Support the family's home culture and development of positive self-esteem.
- Access formal and informal resources to support healthy family development.
- Develop leadership skills in planning, governance and administration of program activities.

FAMILY LIFE CERTIFICATE

The Parent Leadership and Advocacy Certificate provides a specialized curriculum in leadership strategies, advocacy, and support for families in navigating the school system. This certificate is currently offered in partnership with the Washington State Association of Head Start and ECEAP and the Escuela de Padres program.

FAMILY LIFE: PARENT LEADERSHIP AND ADVOCACY CERTIFICATE

16 credits

REQUIRED COURSES

- ECED 140—Issues and Trends in Education (3)
- ECED 211—Equity in Education: E (3)
- EDUC 299—Learning into Action (1–15) (3)
- SOSC 111—Adults in Transition (1–3) (3)
- SOSC 130—Leadership (2)
- SOSC 132—Student Leadership Seminar (1-2) (2)

FIRE SCIENCES

Overview

The SVC Fire Sciences Department (FIRE) provides training and education for students wishing to begin a career in the fire service, attain a higher level of education, and/or prepare for career advancement.

- The Fire Protection Technology, AAS degree is designed to prepare those students wishing to enter the fire protection career as entry-level firefighters. It is a skills and certification-based program that prepares a student with the education, certifications, and affiliation, valued by fire service leaders.

Learning Outcomes

General Education Learning Outcomes, [p. 156].

Program Learning Outcomes

Graduates of the Fire Protection Technology degree program will be able to:

- Understand how hostile fire conditions develop that threaten the public and emergency responders.
- Understand how various work environments can effect development of hostile fire conditions.
- Efficiently utilize tactical resources and effective methods of deployment in responding to a variety of emergency incidents.
- Possess a knowledge and skill set that allows them to be effective in preventing hostile fire emergencies occurring in their community.

Program Admissions:

Please apply at **Enrollment Services**. Enrollment in the program is limited to 30 students entering each September. Selection is on a first-come, first served basis from an "interest" list. Students may enter the program only at the beginning of Fall Quarter. Winter and/or Spring quarter entry is based on prior experience and Department Chair permission.

Firefighter courses can be physically demanding. Students must be medically and physically fit to participate. Students will be subject to a background evaluation. Once accepted into the program, the following requirements must be met:

- Complete an Illegal Substance-Drug Screen and Criminal Background check. This is based on emergency medical industry standards and Washington State laws protecting vulnerable populations (RCW 43.43.880 and 43.43.842). This practice is common among colleges and universities in Washington State and is required by clinical agencies where students complete their clinical experiences.
- Complete a Department of Motor Vehicle violation check. This check is used for training and counseling purposes to determine suitability to gain employment in the fire service.

6 GENERAL DEGREE/PROGRAM INFORMATION

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- Complete and pass a physical/medical evaluation by a physician approved by the program, confirming physical ability to perform structural firefighting activities in compliance with WAC 296- 305-0159(7)(b).
- Costs associated with criminal background check, drug screen, motor vehicle violation check and physical/medical evaluations are the responsibility of the student.

Admission to individual classes for those students not in the Fire Protection Technology (FIRE) program is by Department Chair approval only. Prerequisites for all Fire Protection Technology classes must be met before enrolling in that specific FIRE class.

Admission to individual classes for those students not in the Fire Service Administration program is by Department Chair approval only. Prerequisites for all Fire Service Administration classes must be met before enrolling in that specific class.

Specialized Program Information:

WORK-BASED LEARNING

Students will integrate classroom learning with work-based learning experience in Fire Service Internship (FIRE 199) at a supervised work site. Department Chair approval is required. Credits and grades are based on job-hours worked, work performance and completion of the learning objectives specified in the learning contract.

Degree Option:

The Associate in Applied Science Degree, AAS is awarded upon completion of a minimum of 90 credits of specified technical and related education course work above the 100 level, with both an overall 2.0 grade point average and a 2.0 grade point average in the technical major.

The Fire Protection Technology (FIRE) program is designed to prepare the student for an entry-level career as a firefighter for private, municipal, industrial, state, and federal fire departments. Typical duties of firefighters may include responding to emergencies and performing work to save lives, stabilize emergency situations, reduce loss of property and improve public safety.

Firefighters additionally inspect, examine, and care for emergency apparatus and equipment, and perform routine maintenance to restore apparatus to a response-ready condition.

Fire Protection Technology is a systematic and organized inquiry into the occurrence of fire and its control. It is about gaining a deeper and useful understanding of fire's development, strategies used by the fire service to prevent its occurrence and lessen its impact, and methods employed to combat it. It is also about understanding a complex vocation that calls upon its members to perform unusually challenging tasks under virtually any condition with little room for error—or better, adapting to the unforgiving culture of a critical public safety industry.

The training of students to become career firefighters is a key component of the Fire Protection Technology program. Subjects included in the program help to improve the firefighter's use of knowledge, tools and systems to improve their career opportunities and the lives of those who they serve.

Licensure/Certification

The **Fire Prevention Technology** program aligns with the standards of the **International Fire Service Accreditation Congress (IFSAC)** and the **U.S. Fire and Emergency Services Higher Education (FESHE)** model curriculum. In Washington State, IFSAC testing is coordinated by the Washington State Patrol and its network of partners. Students can earn multiple IFSAC certificate seals during their time in the program. IFSAC certificates have excellent transferability across state and even international lines. However, there may be a small handful of jurisdictions that do not have reciprocity and that will require certification under Pro Board or other standards.

The **Basic and Enhanced Emergency Medical Technician** Micro-Certificates both conclude with the **National Registry Emergency Medical Technician** certification practical examination for EMT. Successful completion of this exam—coupled with paid or volunteer affiliation with a licensed county, aid, or ambulance association—allows individuals to become certified as a **Washington State EMS Provider**, a certification that is generally transferable to all other states so long as it is kept active.

SVC/Pierce College BAS-FSLM Articulation Agreement

If you are currently enrolled in, or have graduated from, Skagit Valley College's Fire Sciences Degree program, you may qualify to enroll in the BAS in Fire Services Leadership and Management (BAS-FSLM) at Pierce College. Read below to learn more.

On Oct. 16, 2024, Skagit Valley College entered into an articulation agreement with Pierce College. The purpose of this articulation agreement is to foster spirit of collaboration between Pierce College. It facilitates qualified students of SVC's Fire Science Degree program in their application to, admission to, and completion of the Bachelor of Applied Science in Fire Services Leadership and Management program at Pierce College.

Qualified student applicants must meet minimum requirements of admission to Pierce College and will be evaluated individually by the application committee of the FSLM program.

Minimum Requirements for Applications

- Submitted the BAS-FSLM Application per instructions.
- Submitted Official Transcripts from a regionally accredited college showing completed AA degree. (This includes transcripts from courses taken at Pierce College.)
 - Note: if some or all transcripts are from other countries, they will need to be evaluated. Evaluations can be conducted by any agency in NACES.
- Submitted a Personal Statement (300-400 words) articulating the applicant's personal and professional interests in pursuing a BAS-FSLM degree.

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- Submitted one (1) letter from a personal, professional or academic reference.
- Submitted a professional resume.
- Submitted a letter from the fire department you are affiliated with proving affiliation.

Need help with completing your application? The SVC Writing Center can help!

Fire Protection Technology Scholarship Opportunity

The Skagit County Joint Fire Agencies with Skagit Valley College are excited to offer scholarships to new qualifying Fire Protection Technology freshman students beginning Fall Quarter, 2025.

FIRE PROTECTION TECHNOLOGY, AAS

Overview

The Fire Sciences Department (FIRE) provides training and education for students wishing to begin a career in the fire service, attain a higher level of education, and/or prepare for career advancement.

The Fire Protection Technology, AAS degree is designed to prepare students wishing to enter the fire protection career as entry-level firefighters. It is a skills and certification-based program that prepares a student with the education, certifications, and affiliation, valued by fire service leaders.

Sample career options include:

- Municipal Firefighters
- Forest Firefighters.

Degree Intent and Transfer Options

Upon completion, Workforce degrees and/or certificates are intended to give students the skills needed to move directly into employment. These degrees also prepare alumni for entry to a BAS degree program. While these degrees are not intended to transfer to a university, students will be eligible to apply for admission to Skagit Valley College's Bachelor of Applied Science - Management (BASM) degree or SVC's Environmental Conservation, BAS (BAS-EC) and, in some cases, could transfer to other schools. If you are interested in continuing your education by entering a bachelor's degree program, please work closely with your Academic Advisor and Department Chair.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

100 credits

FIRST YEAR

Fall Quarter

- FIRE 100 – Principles of Emergency Services (4)
- FIRE 120 – Firefighter Skills I (8)
- FIRE 160 – Hazardous Materials First Responder (4)
- CSS 103 – First Quarter Experience (2)
- PE 161 – Fire Fighter Fitness and Wellness (2)

TOTAL CREDITS: 20

Winter Quarter

- FIRE 130 – Emergency Vehicle Driving (3)
- FIRE 243 – Enhanced Emergency Medical Technician – Basic (15)
- PE 261 – Advanced Firefighter Fitness (1)

TOTAL CREDITS: 19

Spring Quarter

- FIRE 121 – Firefighter Skills II (4)
- FIRE 122 – Firefighter Skills III (4)
- FIRE 240 – Rescue Systems Awareness (3)
- † ENGL& 101 – English Composition I (5)
- PE 261 – Advanced Firefighter Fitness (1)

TOTAL CREDITS: 17

SECOND YEAR

Fall Quarter

- FIRE 101 – Fire Chemistry (3)
- FIRE 230 – Fire Service Hydraulics (3)
- FIRE 279 – Fire Services Safety & Survival (3)
- † MATH& 107 – Math in Society (5)

TOTAL CREDITS: 14

Winter Quarter

- FIRE 103 – Building Construction For Fire Protection (3)
- FIRE 126 – Wildland Firefighting (3)
- FIRE 213 – Fire & Life Safety Education (3)
- FIRE 215 – Fire Inspection & Code Enforcement (3)
- FIRE 278 – Managing Company Tactical Operations (3)

TOTAL CREDITS: 15

Spring Quarter

- FIRE 199 – Fire Service Internship (1)
- FIRE 211 – Fire Protection Systems (3)
- FIRE 214 – Fire Investigation (3)
- FIRE 275 – Emergency Service Leadership (3)
- CMST& 220 – Public Speaking (5)

TOTAL CREDITS: 15

Note: † Students who do not receive appropriate placement test score will require additional coursework to develop necessary skills for entry into class.

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FIRE PROTECTION CERTIFICATES

EMT: BASIC EMERGENCY MEDICAL TECHNICIAN MICRO-CERTIFICATE

18 credits

These certificates focus on a specific skill within this program. A certificate is awarded to students who complete the following with a 3.0 grade point average or above:

REQUIREMENTS

- FIRE 242 – Basic Emergency Medical Technician (12)
or
- FIRE 247 – Basic Emergency Medical Technician, Part I (6)
and
- FIRE 248 – Basic Emergency Medical Technician, Part II (6)

EMT: ENHANCED EMERGENCY MEDICAL TECHNICIAN MICRO-CERTIFICATE

15 credits

REQUIREMENTS

- FIRE 243 – Enhanced Emergency Medical Technician – Basic (15)

GEOGRAPHIC INFORMATION SYSTEMS

Overview

The Geographic Information Systems (GIS) program at Skagit Valley College (SVC) offers students a robust foundation in the principles, applications, and tools of GIS technology. GIS enables the collection, management, and analysis of data linked to geographic locations, and allows users to create dynamic, data-driven maps and visualizations. The spatial approach of GIS plays a critical role in modern data analysis in fields such as natural resource management, urban planning, conservation, environmental management, emergency response, and more.

SVC's program focuses on building technical skills in industry-standard software, field data collection, and spatial data integration. GIS professionals support data-driven decision-making for public agencies, environmental organizations, research institutions, and private companies.

See also **Environmental Conservation**, [p. 126].

Program Learning Outcomes

Graduates of the Geographic Information System program will be able to:

- Apply GIS software to create and manage spatial datasets.
- Manage spatial datasets at appropriate precision and scales.
- Integrate and manage remote sensing, aerial, and physical attributes.
- Utilize and incorporate local, regional, and federal datasets appropriately.

Program Admissions

Please apply at **Enrollment Services**. Students may begin this program fall or summer quarter. Students with relevant work experience or equivalent coursework may be admitted at other times with Department Chair permission. For further information, contact the Department Chair, Madeleine Dupuy, or Enrollment Services.

GEOGRAPHIC INFORMATION SYSTEMS (GIS) CERTIFICATE

GEOGRAPHIC INFORMATION SYSTEMS CERTIFICATE

25 credits

The Geographic Information Systems certificate enables students to be highly proficient in using industry-standard GIS software as a valuable support tool for natural resource employment or other occupations using GIS as a management tool. For further information, contact the Department Chair of Environmental Conservation or Enrollment Services.

A certificate is awarded to students who complete the following courses with a minimum C grade or above in each course.

Fall Quarter

- GIS 101 – Introduction to Geographic Information Systems (5)

Winter Quarter

- GIS 102 – Geographic Information Systems II (5)

Spring Quarter

- GIS 107 – Introduction to Global Positioning Systems (GPS) (5)
- GIS 202 – Introduction to Remote Sensing (5)

Summer Quarter

- GIS 203 – Advanced GIS Project (5)
or GIS 199 – Cooperative Education (1-15) (5)

Note: GIS courses must be taken in this sequence.

HUMAN SERVICES

Overview

The SVC Human Services (HSERV) program prepares students for employment in a broad range of social service agencies. Typical job titles include substance use disorder treatment professionals, residential treatment workers, case managers, out-reach, and community workers. The program has a core of courses that all students must complete for the Associate in Applied Science Degree, AAS with either a Generalist or Substance Use Disorder Counseling emphasis. By their second quarter, students determine which HSERV emphasis they will

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pursue. Students must enroll in HSERV 198 Pre-Practicum Seminar, which prepares students for practicum (work-based experience) in an agency. After a student's first quarter, the HSERV full-time faculty will serve as the students' advisors.

SVC's Human Services program includes classroom training in interpersonal communications, counseling, ethics, case management, substance abuse treatment and crisis intervention. An agency-based practicum experience is also required. Many courses are offered sequentially and students are expected to take courses in sequence.

Students interested in transferring to a four-year college should see an SVC Academic Advisor or their Human Services advisor for assistance in program planning. Please note this is a Professional/Technical program and does not offer a standard transfer degree. For information on articulation agreements with university programs, see the Associate in Applied Science Degree, AAS degree information. Contact for the Substance Use Disorder (SUD) faculty is to be announced. Contact the Generalist Department Chair, Claudia Avendano-Ibarra, at 360.416.7749. Returning students who have already earned college degrees and who are interested in taking coursework necessary to become a SUD professional, who to contact is to be announced.

Learning Outcomes

General Education Learning Outcomes, [p. 156].

Program Learning Outcomes

Graduates of the Human Services program will be able to:

- Demonstrate an understanding of the nature and treatment of addiction and psychopathology
- Effectively work with consumers using ethical practice
- Demonstrate capability in case management tasks.

Program Admissions:

Please apply at **Enrollment Services**. Students may enter the program at the beginning of any quarter, and advanced standing may be requested for some courses. All students entering the Human Services program must take the college placement test. This can be arranged by contacting Enrollment Services.

Specialized Program Information

WORK-BASED LEARNING

Students will integrate their classroom learning with work-based learning by completing a total of 12 credits (360 work hours) of supervised practicum work. Students enrolled in HSERV 199 Practicum must enroll concurrently in the HSERV 200 Practicum Seminar. Each practicum requires permission of the Department Chairs. Credits and grades in HSERV 199 are based on job hours worked, work experience, a site visit, completion of learning objectives, meeting timelines for all paperwork, satisfactory completion of a work journal, and quality of all grading criteria.

Students enrolling in Practicum (HSERV 199) may be required by agencies to apply for registration with the Washington State Department of Health (DOH) as counselor trainees. Such registration includes filling out a disclosure statement and may

include a criminal background check. Students may submit this application while enrolled in HSERV 198. Passing HSERV 101 Introduction to Human Services and HSERV 198 Pre-Practicum Seminar with grades of C or better is a prerequisite for enrollment in Practicum.

Degree and Certificate Options

An Associate in Applied Science Degree, AAS is awarded upon completion of a minimum of 95 credits of specified technical and related education coursework above 100-level with both an overall 2.0 grade point average and a 2.0 grade point average in the technical major. ("Technical major" means all HSERV courses, not the general education courses).

The Human Services - Generalist Emphasis, AAS currently requires completion of 95 credits, and the Human Services - SUD Emphasis, AAS requires completion of 101 credits. For those students who wish to pursue a Bachelor's degree after completion of an AAS degree, the Human Services program has transfer agreements with Fairhaven College and Trinity Western University in Bellingham, and Evergreen State College in Olympia.

Certification/Licensure

The Substance Use Disorder Counseling certificate and AAS degree both meet the education requirements set by the **Washington State Department of Health** for graduates to become a Substance Use Disorder Professional Trainee. Additional hours of clinical practice and passage of an examination by the **National Association of Alcoholism and Drug Abuse Counselors (NAADAC)** or other certified organization are required before graduates may earn their Washington Substance Use Disorder Professional (SUDP) credential. A list of states that have substantially equivalent licensure requirements may be found on the Washington Department of Health website.

HUMAN SERVICES GENERALIST, AAS

Sample career options include:

- Social and Human Services Assistants
- Outreach Coordinator
- Resource Specialist
- Homeless Prevention Specialist

Degree Intent and Transfer Options

Upon completion, Workforce degrees and/or certificates are intended to give students the skills needed to move directly into employment. These degrees also prepare alumni for entry to a BAS degree program. While these degrees are not intended to transfer to a university, students will be eligible to apply for admission to Skagit Valley College's Bachelor of Applied Science - Management (BASM) degree or SVC's Environmental Conservation, BAS (BAS-EC) and, in some cases, could transfer to other schools. If you are interested in continuing your education by entering a bachelor's degree program, please work closely with your Academic Advisor and Department Chair.

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Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

95 credits

FIRST YEAR

Fall Quarter

- HSERV 101—Introduction to Human Services (5)
- HSERV 198—Pre-Practicum Seminar (3)
- CSS 103—First Quarter Experience (2)
- † ENGL& 101—English Composition I (5)

TOTAL CREDITS: 15

Winter Quarter

- CMST& 210—Interpersonal Communication: E (5)
- OBT 122—MS Word I (3)
- † WMATH 100—Professional Technical Applied Math (5)

TOTAL CREDITS: 13

Spring Quarter

- HSERV 121—Introduction to Disabilities and Disability Law (4)
- HSERV 132—Motivational Interviewing (4)
- HSERV 141—Alcoholism and other Addictive Disorders (5)
- HSERV 199—Practicum (1-4) (4)
- HSERV 200—Practicum Seminar (1)

TOTAL CREDITS: 18

SECOND YEAR

Fall Quarter

- HSERV 199—Practicum (1-4) (4)
- HSERV 200—Practicum Seminar (1)
- HSERV 203—Introduction to Counseling (5)
- HSERV 231—Psychopathology and Therapeutic Intervention in Mental Health (4)
- £ PE 200—First Aid, Safety, and CPR (2)

TOTAL CREDITS: 16

Winter Quarter

- HSERV 102—Generalist Coordinated Care (5)
- HSERV 199—Practicum (1-4) (4)
- HSERV 200—Practicum Seminar (1)
- HSERV 235—Equitable Trauma Informed Practice (ETIC) (5)
- HSERV 245—Professional Ethics (3)

TOTAL CREDITS: 18

Spring Quarter

- HSERV 131—Human Development (5)
- HSERV 221—Crisis Intervention (5)
- HSERV 232—Justice, Equity, Diversity, and Inclusion in Human Services: E (5)

TOTAL CREDITS: 15

Notes: † Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class. (BUS 111 will substitute for WMATH 100).

£ or a valid CPR/First Aid certification from an approved provider.

HUMAN SERVICES SUBSTANCE USE DISORDER (SUD) COUNSELING, AAS

Sample career options include:

- Substance Abuse and Behavioral Disorder Counselor

Degree Intent and Transfer Options

Upon completion, Workforce degrees and/or certificates are intended to give students the skills needed to move directly into employment. These degrees also prepare alumni for entry to a BAS degree program. While these degrees are not intended to transfer to a university, students will be eligible to apply for admission to Skagit Valley College's Bachelor of Applied Science - Management (BASM) degree or SVC's Environmental Conservation, BAS (BAS-EC) and, in some cases, could transfer to other schools. If you are interested in continuing your education by entering a bachelor's degree program, please work closely with your Academic Advisor and Department Chair.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

101 credits

FIRST YEAR

Fall Quarter

- HSERV 101—Introduction to Human Services (3)
- HSERV 141—Alcoholism and other Addictive Disorders (5)
- HSERV 171—HIV/AIDS and Bld Pathogen Trng for Substance Use Disorder Professional (1)
- CSS 103—First Quarter Experience (2)
- ENGL& 101—English Composition I (5)

Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.

TOTAL CREDITS: 18

Winter Quarter

- HSERV 145—Addictions and the Law (3)
- HSERV 198—Pre-Practicum Seminar (3)
- OBT 122—MS Word I (3)
- WMATH 100—Professional Technical Applied Math (5) or BUS 111—Business Math (5)

Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.

TOTAL CREDITS: 14

Spring Quarter

- HSERV 131—Human Development (5)
- HSERV 132—Motivational Interviewing (4)
- HSERV 199—Practicum (4)
- HSERV 200—Practicum Seminar (1)
- HSERV 248—Adolescent Addictive Disorders Counseling (3)

TOTAL CREDITS: 17

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SECOND YEAR

Fall Quarter

- HSERV 199—Practicum (4)
- HSERV 200—Practicum Seminar (1)
- HSERV 203—Introduction to Counseling (5)
- HSERV 231—Psychopathology and Therapeutic Intervention in Mental Health (4)
- HSERV 242—Physiology and Pharmacology of Psychoactive Drugs (3)

TOTAL CREDITS: 17

Winter Quarter

- HSERV 199—Practicum (4)
- HSERV 200—Practicum Seminar (1)
- HSERV 241—Addictive Disorders and the Family (3)
- HSERV 243—Substance Use Disorder Assessment and Case Management (4)
- HSERV 245—Professional Ethics (3)
- PE 200—First Aid, Safety, and CPR (2)
or a valid CPR/First Aid certification from an approved provider.

TOTAL CREDITS: 17

Spring Quarter

- HSERV 221—Crisis Intervention (5)
- HSERV 232—Justice, Equity, Diversity, and Inclusion in Human Services: E (5)
- HSERV 244—Group Process and Addictive Disorders (3)
- CMST& 210—Interpersonal Communication: E (5)

TOTAL CREDITS: 18

HUMAN SERVICES CERTIFICATE

HUMAN SERVICES SUBSTANCE USE DISORDER COUNSELING, CERTIFICATE

47 credits

This certificate is designed for returning students and professionals who have previously earned college or university degrees and who are interested in becoming Substance Use Disorder (SUD) counseling professionals. The SUD designation is granted by the Washington State Department of Health (DOH) upon successful completion of a minimum of 45 credits of specific academic coursework, completion of internship hours, and successful passage of an examination through the DOH. Completion of the SVC certificate will acknowledge the completion of academic coursework. The course objectives outlined by DOH are found within the SUD track of the Human Services, AAS degree.

A certificate is awarded to students who complete the following courses with a 2.0 grade point average or above in all required coursework.

1st Quarter

- HSERV 141—Alcoholism and other Addictive Disorders (5)
- HSERV 171—HIV/AIDS and Bld Pathogen Trng for Substance Use Disorder Professional (1)
- HSERV 203—Introduction to Counseling (5)
- HSERV 231—Psychopathology and Therapeutic Intervention in Mental Health (4)
- HSERV 242—Physiology and Pharmacology of Psychoactive Drugs (3)

TOTAL CREDITS: 18

2nd Quarter

- HSERV 145—Addictions and the Law (3)
- HSERV 241—Addictive Disorders and the Family (3)
- HSERV 243—Substance Use Disorder Assessment and Case Management (4)
- HSERV 245—Professional Ethics (3)

TOTAL CREDITS: 13

3rd Quarter

- HSERV 131—Human Development (5)
- HSERV 232—Justice, Equity, Diversity, and Inclusion in Human Services: E (5)
- HSERV 244—Group Process and Addictive Disorders (3)
- HSERV 248—Adolescent Addictive Disorders Counseling (3)

TOTAL CREDITS: 16

Manufacturing Technology, please see Advanced Manufacturing and Design [p. 98]

For information on composites and manufacturing, see Composites Technology and Manufacturing Technology certificates.

MARINE MAINTENANCE TECHNOLOGY

Overview

Marine Maintenance Technology (MT) prepares students for employment in the marine trades with a focus on two major disciplines: marine mechanics and marine electrical systems. The MT program offers one-year certificates in each of these high demand areas and a two-year Associate of Applied Science (AAS) degree for those who complete coursework in both fields.

Located in the heart of the Pacific Northwest's maritime industry, the MT program has close affiliations with various marine manufacturers and service companies. Affordably priced, with out-of-state tuition waivers available, the program provides students with a unique opportunity to successfully begin a new career or expand upon existing skills.

Ongoing growth in the marine manufacturing and service industry within the pleasure, military, and commercial sectors is driving strong demand for skilled marine technicians. In response to this demand, Skagit Valley College (SVC) is a member of the **Marine Trades Accredited (MTA)** program, a national consortium of marine technology educators providing industry standards-based training and education. In the MT program, students divide their time between the classroom and well-equipped lab facilities. Through on-site testing and preparation, students have an excellent opportunity to earn credentials with the **American Boat & Yacht Council (ABYC)**, **National Marine Electronics Association (NMEA)**, **Occupational Safety and Health Administration (OSHA)**, and **Environmental Protection Agency (EPA)**, as well as forklift certification and original equipment manufacturer (OEM) specific training.

Marine Mechanical training provides students with the skills and knowledge necessary to install, maintain, and repair modern marine engines and propulsion systems. Students learn the fundamentals of fuel, cooling, exhaust, ignition, lubrication, electrical, hydraulic, and control systems

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for gasoline and diesel engines. An emphasis is put on developing acute troubleshooting skills while adhering to industry best practices and techniques. Hands-on training covers how to install and repair inboard diesel and gasoline engines, sterndrives, and outboard motors to manufacturer's specifications.

Marine Electrical system training teaches students how to install, repair, maintain, and troubleshoot modern boat systems using established industry standards and best practices. Systems course work includes learning about AC and DC electrical systems, plumbing, rigging, electronics, sanitation, refrigeration, communication, HVAC, and navigation systems. Certified instructors have direct industry experience and prepare students to apply their skills to virtually any professional scenario involving troubleshooting, repair, upgrading, and integrating modern marine systems on board vessels of all types.

Sample career options include:

- Motorboat Mechanics and Service Technicians
- Watercraft Service Attendants

Degree and Certificate Options

ASSOCIATE IN APPLIED SCIENCE DEGREE (AAS)

The Marine Maintenance Technology – Marine Technician emphasis Associate in Applied Science Degree, AAS is awarded upon completion of a minimum of 90 credits and related general education coursework. All coursework must be 100-level or above and must be passed with a C grade or above in each Marine Maintenance Technology course. General education courses must be passed with a D grade or above.

Certificates

MARINE MECHANICAL TECHNICIAN CERTIFICATE

A Certificate in Marine Mechanical Technician is awarded upon completion of certificate courses. Students must be co-enrolled in program core classes or have instructor permission. All course work must be 100-level or above and passed with a C grade or above in each Marine Maintenance Technology course. General education courses must be passed with a D grade or above. Consult with department chair or SVC counselor for scheduling options.

MARINE ELECTRICAL TECHNICIAN CERTIFICATE

A Certificate in Marine Electrical Technician is awarded upon completion of certificate courses. Students must be co-enrolled in program core classes or have instructor permission. All course work must be 100-level or above and passed with a C grade or above in each Marine Maintenance Technology course. General education courses must be passed with a D grade or above. Consult with department chair or SVC counselor for scheduling options.

Learning Outcomes

General Education Learning Outcomes, [p. 156].

Program Learning Outcomes

Graduates of the Marine Maintenance Technology program will be able to:

- Demonstrate a fundamental knowledge of marine AC and DC electrical theory.
- Demonstrate a fundamental working knowledge of marine engines.
- Demonstrate the mechanical skills need to install, troubleshoot and repair diesel and gasoline marine engines.
- Develop the knowledge and proficiency necessary to pass certification exams.
- Exhibit safe and proficient work practices in the lab/shop environment.

Specialized Program Information

CAREER AND TECHNICAL EDUCATION (CTE)

Please see Academic Information, [p. 272], for information regarding CTE.

Faculty

Mike Beemer
Co-Department Chair
360.766.6282 ext. 3003
mike.beemer@skagit.edu

Matthew Mardesich
Co-Department Chair
360.766.6282 ext. 3002
matthew.mardesich@skagit.edu

PROGRAM LOCATION

Northwest Career and Technical Academy
Marine Technology Center
1606 R Avenue Anacortes, Washington

WORK-BASED LEARNING

Students will integrate their classroom learning with work-based learning experience in Cooperative Education (MT 199) at a supervised work site.

Program Admissions

Program entry begins with an application through **Enrollment Services**. Students may enter the Marine Maintenance Technology program Fall quarter or with department chair permission Winter quarter and will need to follow the Marine Maintenance Technology program map. Advanced standing may be requested for prior education or experience. All courses in this program require extensive reading and use of computer technology. The ability to read English at the 8th grade level or above is highly recommended. Students should be familiar with the use of computer technology. For further information, contact the Department Chair or Enrollment Services.

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MARINE MAINTENANCE TECHNOLOGY, AAS

Program Map

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101 credits

FIRST YEAR

Fall Quarter

- MT 102 – Marine Applied Mathematics (5)
Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class. (WMATH 100 can substitute for MT 102).
- MT 105 – Safety, Tools, and Fastenings (6)
- MT 132 – Marine Electrical Systems I (5)
- MT 240 – Outboard Motor Operation and Service (3)
- CSS 103 – First Quarter Experience (2)

TOTAL CREDITS: 17

Winter Quarter

- MT 110 – Electrical Tool Fundamentals (2)
or MT 112 – Mechanical Tool Fundamentals (2)
If MT 110 is taken this quarter, MT 112 must be taken winter quarter, second year.
- MT 133 – Marine Electrical Systems II (5)
- MT 230 – Marine Electronics (3)
- ENGL& 101 – English Composition I (5)
Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.

TOTAL CREDITS: 16

Spring Quarter

- MT 121 – Composites Construction and Repair (3)
- MT 134 – Marine Electrical Systems III (5)
- MT 136 – Marine Sanitation Systems, Plumbing and Pumps (5)
- MT 199 – Cooperative Education Experience (1)
- MT 236 – Marine Electronics II (3)

TOTAL CREDITS: 17

SECOND YEAR

Fall Quarter

- MT 106 – Rigging (4)
- MT 119 – OSHA 10 Training and Forklift Certification (2)
- MT 231 – Marine Heating, Air Conditioning and Refrigeration (5)
- CMST& 210 – Interpersonal Communication: E (5)
- MANF 121 – First Aid and CPR (1)

TOTAL CREDITS: 17

Winter Quarter

- MT 112 – Mechanical Tool Fundamentals (2)
or MT 110 – Electrical Tool Fundamentals (2)
If MT 112 was taken first year, winter quarter, MT 110 must be taken this quarter.
- MT 160 – Marine Engine Systems (5)
- MT 161 – Inboard Drivetrain (5)
- MT 204 – Advanced Marine Systems (5)

TOTAL CREDITS: 17

Spring Quarter

- MT 163 – Marine Engine Systems I (5)
- MT 199 – Cooperative Education Experience (2)
- MT 241 – Outboard Motors II (5)
- MT 270 – Marine Hydraulic Systems (5)

TOTAL CREDITS: 17

MARINE MAINTENANCE TECHNOLOGY CERTIFICATES

MARINE ELECTRICAL TECHNICIAN, CERTIFICATE

55 credits

The program map is provided as a guide for a traditional full-time student whose goal is to earn the Marine Electrical Technician certificate. The courses are designed with the appropriate number of credits to meet certificate requirements and are organized in a recommended sequence. Please consult an SVC advisor to schedule courses and develop an educational plan.

A certificate is awarded to students who complete the following courses with a minimum C grade or above in each Marine Maintenance Technology course.

Fall Quarter

- MT 102 – Marine Applied Mathematics (5)
or WMATH 100 – Professional Technical Applied Math (5)
- MT 105 – Safety, Tools, and Fastenings (6)
- MT 132 – Marine Electrical Systems I (5)
- MT 240 – Outboard Motor Operation and Service (3)
- CSS 103 – First Quarter Experience (2)

TOTAL CREDITS: 17

Winter Quarter

- MT 110 – Electrical Tool Fundamentals (2)
- MT 133 – Marine Electrical Systems II (5)
- MT 230 – Marine Electronics (3)
- CMST& 210 – Interpersonal Communication: E (5)
- ENGL& 101 – English Composition I (5)

TOTAL CREDITS: 21

Spring Quarter

- CMPST 121 – Composites Construction and Repair (3)
- MT 134 – Marine Electrical Systems III (5)
- MT 136 – Marine Sanitation Systems, Plumbing and Pumps (5)
- MT 199 – Cooperative Education Experience (1)
- MT 236 – Marine Electronics II (3)

TOTAL CREDITS: 17

6 GENERAL DEGREE/PROGRAM INFORMATION

BAS-AMD • BAS-ECE • BAS-EC • BAS-M • BASM-HM • BS-CS • AA-DTA • AS-T • AVA • DTA/MRP • A.Ed. • AAS • AAS-T • AS-T/MRP • CERTIFICATES AND MICRO-CERTIFICATES

MARINE MECHANICAL TECHNICIAN, CERTIFICATE

58 credits

The program map is provided as a guide for a traditional full-time student whose goal is to earn the Marine Maintenance Technician certificate. The courses are designed with the appropriate number of credits to meet certificate requirements and are organized in a recommended sequence. Please consult an SVC advisor to schedule courses and develop an educational plan.

A certificate is awarded to students who complete the following courses with a minimum C grade or above in each Marine Maintenance Technology course.

Fall Quarter

- MT 102 – Marine Applied Mathematics (5)
or WMATH 100 – Professional Technical Applied Math (5)
- MT 105 – Safety, Tools, and Fastenings (3)
- MT 132 – Marine Electrical Systems I (4)
- MT 240 – Outboard Motor Operation and Service (3)
- CSS 103 – First Quarter Experience (2)

TOTAL CREDITS: 17

Winter Quarter

- MT 112 – Mechanical Tool Fundamentals (2)
- MT 160 – Marine Engine Systems I (5)
- MT 161 – Inboard Drivetrains (5)
- CMST& 210 – Interpersonal Communication: E (5)
- ENGL& 101 – English Composition I (5)

TOTAL CREDITS: 22

Spring Quarter

- MT 121 – Composites Construction and Repair (3)
- MT 163 – Marine Engine Systems II (5)
- MT 199 – Cooperative Education Experience (1-4) (1)
- MT 241 – Outboard Motors II (5)
- MT 270 – Marine Hydraulic Systems (5)

TOTAL CREDITS: 19

MULTI-OCCUPATIONAL TRADES (APPRENTICESHIP)

Overview

The Multi-Occupational Trades degree offers a combination of on-the-job experience provided by a registered apprenticeship training program and related general education courses. The program is intended for students already enrolled in an apprenticeship program approved by the Joint Apprenticeship Training Council (JATC). Students enrolled in apprenticeship courses who are interested in this degree should contact their apprenticeship coordinator for more information.

Specialized Program Information

Completion of (or concurrent enrollment in) a registered apprenticeship program that includes a minimum of 6,000 clock hours of on-the-job training (OJT) and a minimum of 450 clock hours of related supplemental instruction (RSI) certified by a Joint Apprenticeship and Training Committee (JATC).

In addition to the completion of OJT and RSI clock hours, students must complete 17 credits of general education coursework to earn the applied science degree.

Contact Information for Apprenticeships

SVC is affiliated with two Apprenticeship programs, the Northwest Carpenter's Institute of Washington, and the Northwest Washington Electrical Industry JATC.

Although these apprenticeship programs are affiliated with Skagit Valley College, each program has its own coordinator and selection procedures. Generally, applicants must be at least 18 years old, have a valid Washington State driver's license, and go through a selection process which might include a written test, physical test, drug test, and/or interview.

If you are interested in applying to one of these apprenticeships or would like more information, please log onto the program's website.

Western States Carpenters Training Fund

www.swmsctf.org

Northwest Washington Electrical Industry JATC

www.nwejatc.org

MULTI-OCCUPATIONAL TRADES, AAS

REQUIRED GENERAL EDUCATION COURSES

The general education courses below are required for students that have completed or are completing their registered apprenticeship program complying with the stated requirements. Students enrolled in apprenticeship courses who are interested in this degree should contact their apprenticeship coordinator for more information regarding course sequencing.

REQUIRED COURSES

- CSS 103 – First Quarter Experience (2)
or an equivalent CSS Course.
- CMST& 210 – Interpersonal Communication: E (5)
or CMST& 220 – Public Speaking (5)
- ENGL& 101 – English Composition I (5)
- MATH& 107 – Math in Society (5)
or any college level math.

MULTIMEDIA AND INTERACTIVE TECHNOLOGY

Overview

Multimedia & Interactive Technology (MIT) is a two-year program that leads to a Web Designer, Associate in Applied Science Degree, AAS, or to a Web Development degree, Associate in Applied Science, Transfer Degree, AAS-T. A wide array of interactive media products and services are in high demand. The MIT program prepares students to meet this demand by offering training in web design, web development, graphic arts, digital photography/videography, and social media marketing. The MIT program offers a Web Designer degree; a Web Development degree; a one-year Web Design certificate;

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a Graphic Arts certificate; an Adobe certificate; a Digital Media Marketing certificate; and a Digital Video certificate. The Web Designer AAS degree and all of the certificates are available entirely online.

Learning Outcomes

General Education Learning Outcomes, [p. 156].

Program Learning Outcomes

Graduates of the Multimedia and Interactive Technology program will be able to:

- Use contemporary and industry-standard markup, scripting, and programming languages to design and develop interactive digital media products, applications and solutions.
- Use contemporary and industry-standard design tools, applications, technologies, processes and techniques to edit and create digital media products and solutions.
- Revise and improve work through self-analysis, peer critique and instructor evaluation, which are based on standard design guidelines.
- Design and produce a professional web-based digital media portfolio featuring an archive of work that demonstrates student knowledge, proficiency, skill and talent.

Program Admissions

Please apply at **Enrollment Services**. Students enter the program at the beginning of any quarter. Please be aware that some classes/sequences are not offered every term. Advanced standing may be requested for prior education or experience. For further information, please contact the Department Chair or Enrollment Services.

Specialized Program Information

WORK EXPERIENCE IN THE FIELD

Students will participate in Cooperative Education (MIT 199), which is supervised work experience in an approved job. Credits and grades are based on job hours worked, work performance, and completion of the learning objectives specified in the learning contract. Concurrent enrollment in the Cooperative Education seminar or arranged seminar is required. A special project may be substituted for Cooperative Education with the approval of the Department Chair.

Degree and Certificate Options

ASSOCIATE IN APPLIED SCIENCE DEGREE

The Associate in Applied Science Degree, AAS is awarded upon completion of a minimum of 90 credits in courses numbered 100 or above with an accumulated grade point average of 2.0. Courses must include completion of the technical major and general education requirements. MIT offers an online Multimedia-Web Designer, AAS degree that is targeted to students who are interested in learning to develop and design media-rich, responsive websites.

ASSOCIATE IN APPLIED SCIENCE TRANSFER DEGREE

The Associate in Applied Science, Transfer Degree, AAS-T is awarded upon completion of a minimum of 90 credits in courses numbered 100 or above with an accumulated grade point average of 2.0. Courses must include completion of the

technical major and general education requirements. MIT offers a Multimedia-Web Development, AAS-T degree that is targeted to students who are interested in learning to program and develop and applications and responsive websites.

CERTIFICATES

Students who are not pursuing an AAS or AAS-T degree may earn a certificate focusing on specific skills within the Multimedia program. A certificate is awarded to students who complete all required coursework with a 2.0 grade point average or above. These certificates can be completed in one year or less online.

MULTIMEDIA, WEB DESIGNER, AAS

Sample career options include:

- Web Developers
- Multimedia Artist and Animators
- Graphic Designers
- Desktop Publishers
- Video Game Designers
- Software Quality Assurance Engineers and Testers

Degree Intent and Transfer Options

Upon completion, Workforce degrees and/or certificates are intended to give students the skills needed to move directly into employment. These degrees also prepare alumni for entry to a BAS degree program. While these degrees are not intended to transfer to a university, students will be eligible to apply for admission to Skagit Valley College's Bachelor of Applied Science - Management (BASM) degree or SVC's Environmental Conservation, BAS (BAS-EC) and, in some cases, could transfer to other schools. If you are interested in continuing your education by entering a bachelor's degree program, please work closely with your Academic Advisor and Department Chair.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

95 credits

FIRST YEAR

1st Quarter

- MIT 125 – Introduction to Interactive Multimedia (5)
- ART 111 – Two Dimensional Color and Design (5)
- CSS 103 – First Quarter Experience (2)
- CMST& 210 – Interpersonal Communication: E (5)

TOTAL CREDITS: 17

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2nd Quarter

- MIT 136—Introduction to Typography (5)
- MIT 149—Introduction to Web Page Design (5)
- MIT 226—Adobe Photoshop (5)
- † ENGL& 101—English Composition I (5)

TOTAL CREDITS: 20

3rd Quarter

- MIT 213—Digital Photography (5)
or ART 181—Photography I (4)
- MIT 229—Adobe Illustrator (5)
- † BUS 111—Business Math (5)
or WMATH 100 Professional Technical Applied Math (5)

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- MIT 220—Adobe InDesign (5)
- MIT 228—Adobe Animate (5)
- MIT 235—User Experience Design (UX) (5)

TOTAL CREDITS: 15

5th Quarter

- MIT 240—Intermediate Web Design (5)
- MIT 260—Search Engine Optimization (5)
- MIT 270—CMS Fundamentals (5)

TOTAL CREDITS: 15

6th Quarter

- ‡ MIT 199—Cooperative Educational Experience (1-15)
- MIT 249—Advanced Web Page Design (5)
- MIT 280—Digital Portfolio (5)
- ^ PE 100—Wellness for Life + 1 activity credit (2)

TOTAL CREDITS: 13+

Notes: † Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.

‡ MIT 199 may be taken at any time after the second quarter with Department Chair approval.

^ or PE 200 or a valid CPR/First Aid certification from an approved provider

MULTIMEDIA, WEB DEVELOPER, AAS-T

Degree Intent and Transfer Options

Upon completion, Workforce degrees and/or certificates are intended to give students the skills needed to move directly into employment. These degrees also prepare alumni for entry to a BAS degree program. While these degrees are not intended to transfer to a university, students will be eligible to apply for admission to Skagit Valley College's Bachelor of Applied Science - Management (BASM) degree or SVC's Environmental Conservation, BAS (BAS-EC) and, in some cases, could transfer to other schools. If you are interested in continuing your education by entering a bachelor's degree program, please work closely with your Academic Advisor and Department Chair.

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

97 credits

FIRST YEAR

1st Quarter

- ART 111—Two Dimensional Color and Design (5)
- CSS 103—First Quarter Experience (2)
- DATA 101—Introduction to Data and its Application (5)
- † ENGL& 101—English Composition I (5)

TOTAL CREDITS: 17

2nd Quarter

- MIT 149—Introduction to Web Page Design (5)
- CS 101—Computers, Technology and Society (5)
- CS 142—Java Programming I (5)
- DATA 130—Introduction to Relational Databases and SQL (5)

TOTAL CREDITS: 20

3rd Quarter

- CMST& 210—Interpersonal Communication: E (5)
- CS 143—Java Programming II (5)
- † MATH& 141—Precalculus I (5)
or MATH&146—Introduction to Stats (5)

TOTAL CREDITS: 15

SECOND YEAR

4th Quarter

- MIT 228—Adobe Animate (5)
- MIT 235—User Experience Design (UX) (5)
- DATA 230—Relational Databases (5)

TOTAL CREDITS: 15

5th Quarter

- MIT 240—Intermediate Web Design (5)
- MIT 260—Search Engine Optimization (5)
- MIT 270—CMS Fundamentals (5)
- CS 210—C++ Programming I (5)

TOTAL CREDITS: 20

6th Quarter

- MIT 249—Advanced Web Page Design (5)
- MIT 280—Digital Portfolio (5)
- CSS 211—C++ Programming II (5)

TOTAL CREDITS: 15

Notes: † Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.

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MULTIMEDIA & INTERACTIVE TECHNOLOGY CERTIFICATES

ADOBE CERTIFICATE

This certificate program is not currently enrolling new students in 2025-2026.

36 credits

This certificate is available entirely online. Student schedule may vary based on entry point, credit load, and prerequisites. Consult with department chair or SVC counselor for scheduling options.

The student must maintain a 2.0 grade point average and complete the following:

1st Quarter

- MIT 125–Introduction to Interactive Multimedia (5)
- MIT 220–Adobe InDesign (5)
- MIT 226–Adobe Photoshop (5)

TOTAL CREDITS: 15

2nd Quarter

- MIT 227–Adobe Premiere Pro (5)
- MIT 228–Adobe Animate (5)
- MIT 229–Adobe Illustrator (5)

TOTAL CREDITS: 15

3rd Quarter

- MIT 199–Cooperative Educational Experience (1)
- MIT 280–Digital Portfolio (5)

TOTAL CREDITS: 6

DIGITAL MEDIA MARKETING CERTIFICATE

41 credits

This certificate is designed to provide skills in digital marketing for the promotion of brands and products to consumers using digital technologies such as the Internet, digital advertising, and mobile phones.

This certificate is available entirely online. Student schedule may vary based on entry point, credit load, and prerequisites. Consult with the department chair or SVC counselor for scheduling options.

Students are required to maintain a 2.0 grade point average in all required coursework and complete the following:

1st Quarter

- MIT 125–Introduction to Interactive Multimedia (5)
- MIT 136–Introduction to Typography (5)
- MIT 226–Adobe Photoshop (5)

TOTAL CREDITS: 15

2nd Quarter

- MIT 260–Search Engine Optimization (5)
- MIT 270–CMS Fundamentals (5)
- BUS 122–Social Media and Digital Marketing (5)

TOTAL CREDITS: 15

3rd Quarter

- MIT 149–Introduction to Web Page Design (5)
- MIT 199–Cooperative Educational Experience (1)
- MIT 229–Adobe Illustrator (5)

TOTAL CREDITS: 11

DIGITAL VIDEO CERTIFICATE

This certificate program is not currently enrolling new students in 2025-2026.

36 credits

This certificate is available entirely online. Student schedule may vary based on entry point, credit load, and prerequisites. Consult with the department chair or SVC counselor for scheduling options.

Students are required to maintain a 2.0 grade point average in all required coursework and complete the following:

1st Quarter

- MIT 125–Introduction to Interactive Multimedia (5)
- MIT 136–Introduction to Typography (5)
- MIT 212–Digital Videography (5)
- MIT 213–Digital Photography (5)

TOTAL CREDITS: 20

2nd Quarter

- MIT 199–Cooperative Educational Experience (1)
- MIT 226–Adobe Photoshop (5)
- MIT 227–Adobe Premiere Pro (5)
- MIT 280–Digital Portfolio (5)

TOTAL CREDITS: 16

GRAPHIC ARTS CERTIFICATE

41 credits

This certificate is available entirely online. Student schedule may vary based on entry point, credit load, and prerequisites. Consult with the department chair or SVC counselor for scheduling options.

Students are required to maintain a 2.0 grade point average in all required coursework and complete the following:

1st Quarter

- MIT 125–Introduction to Interactive Multimedia (5)
- MIT 136–Introduction to Typography (5)
- MIT 213–Digital Photography (5)
or ART 181–Photography I (4)
- ART 111–Two Dimensional Color and Design (5)

TOTAL CREDITS: 20

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2nd Quarter

- MIT 220 – Adobe InDesign (5)
- MIT 226 – Adobe Photoshop (5)
- MIT 229 – Adobe Illustrator (5)

TOTAL CREDITS: 15

3rd Quarter

- MIT 199 – Cooperative Educational Experience (1)
- MIT 280 – Digital Portfolio (5)

TOTAL CREDITS: 6

MULTIMEDIA WEB DESIGN CERTIFICATE

41 credits

This certificate is available entirely online. Student schedule may vary based on entry point, credit load, and prerequisites. Consult with the department chair or SVC counselor for scheduling options.

Students are required to maintain a 2.0 grade point average in all required coursework and complete the following:

1st Quarter

- MIT 125 – Introduction to Interactive Multimedia (5)
- MIT 149 – Introduction to Web Page Design (5)
- MIT 226 – Adobe Photoshop (5)

TOTAL CREDITS: 15

2nd Quarter

- MIT 235 – User Experience Design (UX) (5)
- MIT 240 – Intermediate Web Design (5)
- MIT 249 – Advanced Web Page Design (5)

TOTAL CREDITS: 15

3rd Quarter

- MIT 199 – Cooperative Educational Experience (1)
- MIT 260 – Search Engine Optimization (5)
- MIT 270 – CMS Fundamentals (5)

TOTAL CREDITS: 11

NURSING

Overview

The Nursing (NURS) program at SVC prepares students for a lifelong career in nursing practice. Nursing is one of the most diverse and exciting careers in today's health care field. It provides unlimited opportunities and numerous benefits for those who enter the profession. Nurses are employed in a variety of settings including hospitals, skilled and long-term care facilities, home health care agencies, medical offices, mental health facilities, and corrections. New technologies are continually developing in the health care field, offering exciting and challenging career opportunities.

Nursing is a demanding, rewarding profession that requires strong communication skills, excellent problem-solving abilities, focused concentration when performing a task, attention to detail, the ability to work well with others, and extensive knowledge of the sciences.

Learning Outcomes

General Education Learning Outcomes, [p. 156].

Program Learning Outcomes

The nursing philosophy supports the student learner outcomes of Human Flourishing, Nursing Judgment, Professional Identity and Spirit of Inquiry:

- Human Flourishing: Advocate for patients and families in ways that promote their self-determination, integrity, and ongoing growth as human beings.
- Nursing Judgment: Make judgments in practice, substantiated with evidence, that integrate nursing science in the provision of safe, quality care and promote the health of patients within a family and community context.
- Professional Identity: Implement one's role as a nurse in ways that reflect integrity, responsibility, ethical practices, and an evolving identity as a nurse committed to evidence-based practice, caring, advocacy, and safe, quality care for diverse patients within a family and community context.
- Spirit of Inquiry: Examine the evidence that underlies clinical nursing practice to challenge the status quo, question underlying assumptions, and offer new insights to improve the quality of care for patients, families, and communities.

The nursing process is foundational to the curricular framework defined by the National League for Nursing (2010) and adopted by Skagit Valley College ADN program. The nursing process consists of Assessment, Diagnosis, Planning, Implementation and Evaluation.

Nursing Curriculum and Graduate Outcomes

The curriculum includes a strong foundation in communication, biological and social sciences, general education, and nursing courses. Students integrate theory and practice throughout the nursing program by combining their classroom work with skills laboratory and clinical experiences. The curriculum design reflects the nursing mission, philosophy, and program objectives. Faculty adopted the NLN Core Components and Competencies for Associate Degree Graduates (NLN 2010) as the organizing framework for the program. Each component was defined by SVC faculty; competencies for each course and for SVC ADN students were developed. The curriculum design provides the foundation for nursing theory course content, laboratory experiences on campus, patient care experiences in the clinical setting, and evaluation of student learning.

The goal of the Nursing program at Skagit Valley College is to educate and prepare students to practice nursing within varied health care settings. Nursing education will assist the student to promote optimal level of health and wellness for the individual, family, and community throughout the lifespan.

Program Accreditation

Skagit Valley College's Registered Nursing program (RN) is approved by the Washington State Board of Nursing (WABON). The RN program is nationally accredited by the Accreditation Commission for Education in Nursing (ACEN). For further information, contact the organizations directly:

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- WABON—111 Israel Road SE, Tumwater, WA 98501; 360.236.4700 (call center); nursing@doh.wa.gov
- ACEN—3390 Peachtree Road, NE, Suite 1400, Atlanta, GA 30326; acenursing.org

Program Admissions

PREREQUISITES:

Required Immunizations for all Nursing Programs:

1. Negative TB test, OR chest x-ray and clearance by Health Care Provider. Students must provide documentation by the end of first week of class.
2. Current American Heart Association Basic Life Support (BLS) card. A BLS card received through an internet-based training program is not acceptable for this program.
3. Annual Influenza vaccine (except summer quarter).
4. Additional requirements will be discussed if you are accepted into the RN program.

Program Re-entry

Students requesting re-entry to the Registered Nursing program must fulfill current re-entry requirements as specified by the SVC Nursing Re-Entry Policy. Re-entry is based on space availability, submission of reapplication materials, and Nursing faculty determination. A student who has a program interruption may be required to repeat some, if not all, nursing program courses if there have been curriculum changes or if the interruption has lasted greater than one year. Students will not be allowed to reenter the SVC Registered Nursing Program at either campus more than once for any reason. An exception will be made for student withdrawal due to military service. A student can apply for re-entry only once. If not granted, a student may not apply for new admission into the program after having been denied re-entry.

Specialized Program Information

CERTIFICATION/LICENSURE

Upon successful completion of the nursing certificate or degree program, Nursing program graduates are eligible to take the National Council Licensure Examination (NCLEX-RN) for registered nursing that is offered by the Washington State Board of Nursing (WABON). This computerized examination is individually scheduled at designated testing sites. Successful completion of the examination is required to be licensed as a registered nurse (RN). Passing a national licensing exam from the National Council of State Boards of Nursing (NCLEX-RN for RN) is required prior to working in the field, or pursuing advanced training and education (BSN, etc.) Graduates of the NAC program are eligible to take the Washington State competency examination to become a Certified Nursing Assistant.

SVC has not determined that the Nursing curriculum meets educational requirements for licensure/certification outside of Washington State. Students who plan to work in locations outside of Washington should check local state licensure and certification requirements.

NURSING PROGRAM LOCATIONS

The Nursing programs at SVC are offered at two campus locations: Mount Vernon campus and Whidbey Island campus (located in Oak Harbor).

NURSING PROGRAM WEBSITE

For the most current information about the Nursing program, specific program admission requirements, application documents, and deadlines, go to SVC's website at skagit.edu/nursing.

Degree and Certificate Options

ASSOCIATE IN PRE-NURSING TRANSFER AGREEMENT, DTA/MRP DEGREE

90 credits, full-time

Students who complete this degree may also choose to apply for entrance into the Associate in Nursing DTA/MRP degree at SVC.

The Pre-Nursing Direct Transfer Agreement, Major Related Program, [p. 90] or Major Related Program (DTA/MRP) streamlines preparation for the basic Bachelor of Science in Nursing (BSN) pathway across the State. It does not, however, address the issue of significantly inadequate capacity (faculty, clinical opportunities, etc.) at the BSN level relative to workforce needs or current student interest. Due to high interest and limited space in BSN programs, admission to all BSN programs is highly competitive with many qualified applicants often finding themselves on waiting lists for admission.

BSN admission application deadlines vary; students must meet the deadline for the university or universities to which they plan to apply for admission to transfer.

Certain schools may have additional "university-specific" requirements for admission to the institution, not pre-requisites specifically identified in the DTA requirements, which will need to be completed prior to graduation. Contact with advisors from individual schools for institutional requirements is highly recommended since this DTA may not meet every institution-specific graduation requirement.

ASSOCIATE IN NURSING DTA/MRP DEGREE

135 credits, full-time

The Nursing, Associate in Nursing, DTA/MRP, [p. 88] prepares students who are highly educated, technically advanced, competent and caring individuals to practice professional nursing in a variety of settings. The full-time Registered Nursing program runs consists of six quarters with summers off. Attendance requirements are daytime lecture and lab classes, and both daytime and evening clinical experiences. Graduates of this program are eligible to take the examination

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for licensure as a registered nurse (NCLEX-RN). Passing the NCLEX-RN exam and completion of this transfer degree provide the general education and nursing courses for direct transfer with only one additional year of study to complete the Bachelor of Science in Nursing (RN-BSN pathway). Baccalaureate institutions part of this agreement include Washington State University, University of Washington, Western Washington University, Heritage University, Pacific Lutheran University, Seattle Pacific University, St. Martin's University, and Western Governors University.

All interested students must meet minimum academic qualifications to be considered for admission. Please see the nursing web page at www.skagit.edu/nursing for application requirements; both academic and non-academic.

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

REGISTERED NURSING AAS DEGREE (FULL-TIME)

99 credits, full-time

LPN LICENSE HOLDERS AND ADVANCED PLACEMENT

SVC offers a Nursing, Registered Nursing, AAS degree for nurses who have graduated from a PN program and have a current Washington State unencumbered LPN license. Advanced entry students will typically enter during the second quarter (NURS 181, NURS 182, NURS 183). Students complete the same RN program prerequisites and related education courses required for the ADN DTA/MRP Nursing degree. The program was designed to create a pathway for PN graduates to move into high-wage, high-demand career opportunities in healthcare.

ADVANCED PLACEMENT

SVC offers a Nursing, Registered Nursing, AAS degree for students who have previously taken RN courses at another institution and would like to complete their RN course work at SVC. Students complete the same RN program prerequisites and related education courses required for the ADN DTA/MRP Nursing degree. In addition, students applying for advanced entry must submit a letter of recommendation from the director, chair or last nursing instructor as well as Syllabi and Course Catalog information for previous RN courses taken. Decision for advanced placement is the responsibility of the Dean of Nursing and Allied Health. Depending on quarter of entry, graduates receive an Associate Degree (AAS) in Registered Nursing or an ADN DTA/MRP Nursing degree, and are eligible to apply for the State Licensing Examination (NCLEX-RN) for Registered Nursing. This is full-time and the number of quarters depends on placement.

REGISTERED NURSING, AAS

Sample career options include:

- Registered Nurse
- Critical Care Nurse
- Acute Care Nurse

Program Map

Program Maps are an integral part of the Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

99 credits

General Education and Nursing Prerequisites

- BIOL& 160 – General Biology w/Lab(5)
- BIOL& 241 – Human Anatomy and Physiology I (5)
- BIOL& 242 – Human Anatomy and Physiology II (5)
- BIOL& 260 – Microbiology (5)
- CHEM& 121 – Introduction to Chemistry (5)
- ENGL& 101 – English Composition I (5)
- ENGL& 102 – Composition II (5)
- MATH& 146 – Introduction to Stats (5)
- NUTR& 101 – Nutrition (5)
- PSYC& 100 – General Psychology (5)
- PSYC& 200 – Lifespan Psychology (5)
- Elective Course
See *Distribution Lists—AA-DTA*, [p. 151], for elective course options in *Natural Sciences, Social Sciences, and Humanities*.
- Humanities Electives – 10 Credits

First Quarter

- NURS 181 – Nursing M/S Patient-Practicum (6)

LECTURE

- NURS 182 – Nursing M/S Patient-Practicum (5)

CLINICAL

- NURS 183 – Nursing M/S Patient-Practicum (1)

LAB

TOTAL CREDITS: 12

Second Quarter

- NURS 191 – Nursing OB, Pediatrics, M/S-Skls Prac (3)

LECTURE

- NURS 192 – Nursing OB, Pediatrics, M/S-Skls Prac (4)

CLINICAL

TOTAL CREDITS: 7

Third Quarter

- NURS 271 – Nursing Advncd OB, Ped, M/S-Skls Prac (5)

LECTURE

- NURS 272 – Nursing Advncd OB, Ped, M/S-Skls Prac (5)

CLINICAL

- NURS 273 – Nursing Advncd OB, Ped, M/S-Skls Prac (2)

LAB

TOTAL CREDITS: 12

6 GENERAL DEGREE/PROGRAM INFORMATION

BAS-AMD • BAS-ECE • BAS-EC • BAS-M • BASM-HM • BS-CS • AA-DTA • AS-T • AVA • DTA/MRP • A.Ed. • AAS • AAS-T • AS-T/MRP • CERTIFICATES AND MICRO-CERTIFICATES

Fourth Quarter

- NURS 281—Nursing Complx M/S & Geriatric Patient (5)

LECTURE

- NURS 282—Nursing Complx M/S & Geriatric Patient (5)

CLINICAL

TOTAL CREDITS: 10

Fifth Quarter

- NURS 291—Entry Nursing Practice/Practicum (lecture) (3)

LECTURE

- NURS 292—Entry Nursing Practice/Practicum (clinical) (4)
- PHIL 291—Ethics and Policy in Healthcare (5)

TOTAL CREDITS: 12

NURSING ASSISTANT EDUCATION CERTIFICATE

10 credits

Offered at the Mount Vernon campus Fall, Winter, and Spring quarters.

Offered at the Whidbey Island Campus Fall and Spring quarters depending on interest, demand, and availability.

A certificate is awarded to students who complete the following courses with a B- (2.3 grade point average) or above in each course.

REQUIRED COURSES

- NURS 100—Nursing Assistant Education (6)

LECTURE

- NURS 101—Nursing Assistant Education (2)

CLINICAL

- NURS 102—Nursing Assistant Education (2)

LAB

PARK RANGER LAW ENFORCEMENT ACADEMY

Overview

SVC's Park Ranger Law Enforcement Academy (PRLEA) meets the entry requirements for work as a Law Enforcement Park Ranger within the National, State, County and local park systems. It is one of only six National Park Service (NPS) approved academies in the U.S. that provides the accredited curriculum. It is also an approved training program accepted by local and State park agencies. This 720-hour-long academy is approved by the **National Park Service and the Federal Law Enforcement Training Center (FLETC)** to provide Level II law enforcement commissioning. The Park Ranger Law Enforcement Academy enrolls students in the Winter/Spring Academy (all of Winter quarter and part of Spring quarter).

In addition to the PRLEA Certification, students are welcome to gain extra training in Wildland Firefighting and Emergency Medical Response (EMR). Classes are optional and tuition and fees are assessed separately. Gaining this extra training will add qualifications for students when they begin applying for competitive Federal and State Park Service employment.

- Wildland Firefighting-Completion of FIRE 126 will allow students to suppress wildland fires while under close supervision.
- Emergency Medical Responder-Completion of FIRE 140 prepares students to take the Washington State 60-hour First Responder emergency medical certification test battery.

As a graduate of the academy, you will gain a competitive edge in seeking jobs with the various agencies in the law enforcement community. SVC graduates have been highly successful in securing employment with the National Park Service, US Fish and Wildlife Service, Bureau of Indian Affairs, and many other Federal, State, County and City land management agencies (contact specific agencies for employment requirements)

Learning Outcomes

General Education Learning Outcomes, [p. 156].

Program Learning Outcomes

Graduates of the PRLEA program will be able to:

- Demonstrate an understanding of the overarching rules governing individual conduct in the Park Ranger Law Enforcement Academy.
- Demonstrate an understanding of the differences between policies, procedures, protocols, memorandums of understanding, guidelines, laws and rules as they apply in the park/public safety workplace.
- Demonstrate an understanding of the parallels between the U.S. and Washington State Constitutions.
- Perform defensive tactics, differentiate firearms, know the makeup of chemical agents, use Tasers effectively, and demonstrate emergency vehicle operations on a course.
- Demonstrate an understanding of how the park design often influences park physical security and promotes crime within.

Program Admission

The Park Ranger Law Enforcement Academy only enrolls students in the Winter/Spring academy. Please contact Jennifer Knezek for access codes at Jennifer.Knezek@skagit.edu or (360) 416-7919.

PRLEA ELIGIBILITY:

- You must be 21 years of age or older, and be physically and mentally fit for service.
- You must successfully pass a criminal history and background check, drug analysis screening, and application review by the academy's Advisory Committee.
- You must have a High School diploma or GED certificate.
- You must have a valid Driver's License.
- You must have current health insurance coverage.

6 GENERAL DEGREE/PROGRAM INFORMATION

BAS-AMD • BAS-ECE • BAS-EC • BAS-M • BASM-HM • BS-CS • AA-DTA • AS-T • AVA • DTA/MRP • A.Ed. • AAS • AAS-T • AS-T/MRP • CERTIFICATES AND MICRO-CERTIFICATES

Certificate Options

SVC's PRLEA program meets the entry requirements for work as a Law Enforcement Park Ranger within the National, State, County and local park systems. This 720 hour-long academy is nationally accredited and approved by the National Park Service and the Federal Law Enforcement Training Center (FLETC) to provide Level II law enforcement commissioning. A certificate is awarded to students who complete the required courses with a minimum C grade or above in all required coursework to achieve technical competency. For further information contact the Director of SVC's Law Enforcement Academies.

PARK RANGER LAW ENFORCEMENT ACADEMY PRLEA CERTIFICATES***Sample career options include:***

- National Park Service
- Federal Law Enforcement Training Center
- WA State Parks & Recreation Commission
- Any WA State Law Enforcement Agency within 1 year of graduation.

Degree Intent and Transfer Options

Upon completion, Workforce degrees and/or certificates are intended to give students the skills needed to move directly into employment. These degrees also prepare alumni for entry to a BAS degree program. While these degrees are not intended to transfer to a university, students will be eligible to apply for admission to Skagit Valley College's Bachelor of Applied Science - Management (BASM) degree or SVC's Environmental Conservation, BAS (BAS-EC) and, in some cases, could transfer to other schools. If you are interested in continuing your education by entering a bachelor's degree program, please work closely with your Academic Advisor and Department Chair.

PARK RANGER LAW ENFORCEMENT ACADEMY PRLEA CERTIFICATE**30 credits**

A certificate is awarded to students who complete the following courses with a minimum C grade or above in all required coursework.

REQUIRED COURSES:

- PRLEA 241–Park Ranger Law Enforcement Academy (PRLEA) Module 1 (6)
- PRLEA 242–Park Ranger Law Enforcement Academy (PRLEA) Module 2 (6)
- PRLEA 243–Park Ranger Law Enforcement Academy (PRLEA) Module 3 (6)
- PRLEA 244–Park Ranger Law Enforcement Academy (PRLEA) Module 4 (6)
- PRLEA 245–Park Ranger Law Enforcement Academy (PRLEA) Module 5 (6)

PARK RANGER LAW ENFORCEMENT ACADEMY PRLEA/EMR CERTIFICATE**35 credits**

A certificate is awarded to students who complete the following courses with a minimum C grade or above in all required coursework.

REQUIRED COURSES:

- PRLEA 241–Park Ranger Law Enforcement Academy (PRLEA) Module 1 (6)
- PRLEA 242–Park Ranger Law Enforcement Academy (PRLEA) Module 2 (6)
- PRLEA 243–Park Ranger Law Enforcement Academy (PRLEA) Module 3 (6)
- PRLEA 244–Park Ranger Law Enforcement Academy (PRLEA) Module 4 (6)
- PRLEA 245–Park Ranger Law Enforcement Academy (PRLEA) Module 5 (6)
- FIRE 140–Emergency Medical Responder (5)

PARK RANGER LAW ENFORCEMENT ACADEMY PRLEA/FIRE CERTIFICATE**33 credits**

A certificate is awarded to students who complete the following courses with a minimum C grade or above in all required coursework.

REQUIRED COURSES:

- PRLEA 241–Park Ranger Law Enforcement Academy (PRLEA) Module 1 (6)
- PRLEA 242–Park Ranger Law Enforcement Academy (PRLEA) Module 2 (6)
- PRLEA 243–Park Ranger Law Enforcement Academy (PRLEA) Module 3 (6)
- PRLEA 244–Park Ranger Law Enforcement Academy (PRLEA) Module 4 (6)
- PRLEA 245–Park Ranger Law Enforcement Academy (PRLEA) Module 5 (6)
- FIRE 126–Wildland Firefighting (3)

TECHNICAL DESIGN (CAD)**Overview**

Technical Design is part of the Advanced Manufacturing and Design program at Skagit Valley College (SVC). It prepares students for entry-level work as a technical designer/drafter and Computer-Aided Design (CAD) operator. Drafters prepare technical drawings and plans, which are used by production and construction workers to build everything from microchips to skyscrapers. Drafters' drawings provide visual guidelines, dimensions, materials, and show how to construct a product or structure.

6 GENERAL DEGREE/PROGRAM INFORMATION

BAS-AMD • BAS-ECE • BAS-EC • BAS-M • BASM-HM • BS-CS • AA-DTA • AS-T • AVA • DTA/MRP • A.Ed. • AAS • AAS-T • AS-T/MRP • CERTIFICATES AND MICRO-CERTIFICATES

Learning Outcomes

CERTIFICATE LEARNING OUTCOMES

Students that complete the Technical Drawing micro-certificate will be able to:

- Satisfy transfer requirements for engineering graphics course.
- Produce basic engineering drawings.
- Understand the information contained on drafted material when on the job.
- Be familiar with the design process, working both as an individual and as part of a group.
- Demonstrate computer aided design (CAD) parametric modeling.
- Create and analyze advanced assembly models.
- Apply CAD computational analysis tools to engineering design.
- Participate in the fundamental engineering design sequence.
- Document an engineering design package
- Apply GD&T to specify Form for a part.

Specialized Program Information

For more information, please contact the Department Chair, Matthew Weaver, 360.416-6549, or matt.weaver@skagit.edu.

Certificate Options

Micro-Certificates of Completion are designed for taking courses over a short period of time focusing on enhancement or development of a specific skill or set of skills. Micro-Certificate courses can help enhance employability skills or provide preparation for continuing education in the program area. Students must maintain a 2.0 GPA or above in all required course work and a minimum letter grade of C- or above in all required courses.

TECHNICAL DRAWING MICRO-CERTIFICATE

10 credits

This micro-certificate program prepares students for entry-level work as a technical drafter and Computer-Aided Design (CAD) operator. The program is designed to provide training for individuals seeking entry-level employment as drafting technicians. A micro-certificate is awarded to students who maintain an overall 2.0 grade point average (GPA) and a 2.0 grade point average in the technical major with a minimum letter grade of C- or above in all required courses.

For more information, please contact the Department Chair, Matthew Weaver, 360.416.6549, or matt.weaver@skagit.edu.

REQUIRED COURSES

- ENGR& 114 – Engineering Graphics (5)
- ENGR 216 – Integrated CAD Design (5)

WELDING TECHNOLOGY

Overview

The Welding Technology (WT) program at Skagit Valley College (SVC) prepares students to work as entry-level welders, fitters, or metal fabricators in a variety of industries including boat-building, construction, industrial maintenance, and manufacturing. Students study a variety of layout, fabrication, and metal joining techniques using steel, stainless steel, and aluminum. Processes include oxyfuel cutting, shielded metal arc welding, gas metal arc welding, flux cored arc welding, and gas tungsten arc welding. Instructional facilities include individual welding practice booths and a large metal fabrication area.

The Welding Program stays current with industry needs through an active Advisory Committee made up of representatives from local businesses that regularly seek our graduates for employment. SVC is accredited through the American Welding Society entry-level welder training program. SVC is also a certified Washington Association of Building Officials (WABO) testing site. Students will move from theory to application to certification in all common manual and semi-automatic welding processes.

Students are required to supply various tools, protective clothing, and welding consumables. A complete list can be obtained by contacting Matt Williams at matt.williams@skagit.edu or 360.416.7703.

Learning Outcomes

General Education Learning Outcomes, [p. 156].

Program Learning Outcomes

Graduates of the Welding Technology program will be able to:

- Demonstrate safe and healthy welding practices
- Fabricate competently
- Weld proficiently
- Work effectively

Program Admissions

Please apply at **Enrollment Services**. Welding is a precision craft that demands good eyesight, hand-eye coordination, manual dexterity, and the ability to work in awkward positions. The ability to read English at the 8th grade level is highly recommended. Advanced standing may be requested. For more information, contact the Department Chair or Enrollment Services.

6 GENERAL DEGREE/PROGRAM INFORMATION

BAS-AMD • BAS-ECE • BAS-EC • BAS-M • BASM-HM • BS-CS • AA-DTA • AS-T • AVA • DTA/MRP • A.Ed. • AAS • AAS-T • AS-T/MRP • CERTIFICATES AND MICRO-CERTIFICATES

Specialized Program Information

CAREER AND TECHNICAL EDUCATION (CTE)

Please see Academic Information, pp 231 for information regarding CTE.

PROGRAM NOTES

The Welding Technology program offers a wide variety of classes with morning, afternoon, evening, and Saturday options. Students may choose brief skills enhancing classes, i.e. program certificates or a 2-year AAS Degree.

WORK-BASED LEARNING

Students will integrate classroom learning with work-based learning experience in Cooperative Education (WT 199) at a supervised work site. Department Chair approval is required. Credits and grades are based on job-hours worked, work performance, and completion of the learning objectives specified in the learning contract. Concurrent enrollment in a Cooperative Education Seminar or equivalent is required.

Degree and Certificate Options

ASSOCIATE IN APPLIED SCIENCE DEGREE

An Associate in Applied Science Degree, AAS is awarded upon completion of a minimum of 90 credits in courses numbered 100 or above with an accumulated grade point average of 2.0. Courses must include completion of the technical major and general education requirements. Graduates of the two-year Welding Technology Associate in Applied Science (AAS) degree program become proficient in all of the common industrial welding and cutting processes used in the boatbuilding, industrial maintenance, construction, and manufacturing, industries. Students receive advanced training in diverse topics ranging from welding metallurgy to blueprint reading and weld symbols.

CERTIFICATES

A Professional Technical Certificate prepares students for entry into a technical field of employment. Certificates include completion of the technical major required courses and related instruction in communication, math, and human relation skills. A certificate is awarded to students who complete the required courses with a 2.0 grade point average or above in all required coursework.

AMERICAN WELDING SOCIETY CERTIFICATE

The SVC Welding program is an approved participant in the American Welding Society Entry-Level Welder Training program. Students who complete coursework requirements and pass written and performance exams will earn a certificate from the AWS (nominal fee required).

WABO CERTIFICATION

The SVC Welding Program is an approved test lab for the Washington Association of Building Officials (WABO) welder certification program. Students completing certification or degree programs will have the opportunity to earn this important industry credential (a nominal fee is required). Special coursework is available to prepare experienced welders for this test.

WELDING TECHNOLOGY, AAS

Sample career options include:

- Welding, Soldering and Brazing Machine Setters, Operators, and Tenders
- Welders, Cutters, and Welder Fitters
- Structural Metal Fabricators and Fitters

Degree Intent and Transfer Options

Upon completion, Workforce degrees and/or certificates are intended to give students the skills needed to move directly into employment. These degrees also prepare alumni for entry to a BAS degree program. While these degrees are not intended to transfer to a university, students will be eligible to apply for admission to Skagit Valley College's Bachelor of Applied Science - Management (BASM) degree or SVC's Environmental Conservation, BAS (BAS-EC) and, in some cases, could transfer to other schools. If you are interested in continuing your education by entering a bachelor's degree program, please work closely with your Academic Advisor and Department Chair.

Program Map

Program Maps are an integral part of our Planning Guide. Each Program Map includes a recommended quarterly sequence of courses for a full-time student to earn this degree within two years. The courses align with the appropriate number of credits to meet degree requirements and is designed to help you create an individualized, customized Educational Plan, required of all SVC students. Please consult with an SVC Advisor to schedule courses and develop your personal Educational Plan.

104 credits

FIRST YEAR

Fall Quarter

- WT 111–Introduction to Shielded Metal Arc Welding (5)
- WT 114–Thermal Cutting Processes (3)
- WT 211–Intermediate Shielded Metal Arc Welding (9)
- CSS 103–First Quarter Experience (2)

TOTAL CREDITS: 19

Winter Quarter

- WT 112–Introduction to Wirefeed Welding (5)
- WT 221–Shielded Metal Arc Welding Applications and Certification (9)
- † ENGL& 101–English Composition I (5)

TOTAL CREDITS: 19

Spring Quarter

- WT 140–Print Reading in Welding (3)
- WT 212–Intermediate Wirefeed Welding (9)
- † WMATH 100–Professional Technical Applied Math (5)

TOTAL CREDITS: 17

SECOND YEAR

Fall Quarter

- WT 113–Introduction to Inert Gas and Aluminum Welding (5)
- WT 118–Welding Joint Design and Welding Symbols (3)
- WT 222–Wirefeed Welding Applications and Certification (9)

TOTAL CREDITS: 17

6 GENERAL DEGREE/PROGRAM INFORMATION

BAS-AMD • BAS-ECE • BAS-EC • BAS-M • BASM-HM • BS-CS • AA-DTA • AS-T • AVA • DTA/MRP • A.Ed. • AAS • AAS-T • AS-T/MRP • CERTIFICATES AND MICRO-CERTIFICATES

Winter Quarter

- WT 116–Introduction to Welding Metallurgy (5)
- WT 213–Intermediate Inert Gas and Aluminum Welding (9)
- CMST& 210–Interpersonal Communication: E (5)

TOTAL CREDITS: 19

Spring Quarter

- WT 199–Cooperative Education Experience (1)
- WT 223–Inert Gas and Aluminum Welding Applications and Certification (9)
- MANF 120–Industrial Safety (2)
- MANF 121–First Aid and CPR (1)

TOTAL CREDITS: 13

Notes: † Students who do not receive an appropriate test score will require additional coursework to develop necessary skills for entry into class.

Students are required to supply protective clothing and various welding consumables. A complete list can be obtained by emailing the Department Chair or by visiting the weld shop in Reeves Hall.

WELDING TECHNOLOGY CERTIFICATES

WELDING TECHNOLOGY CERTIFICATE

71 credits

This certificate is for training and certification in two of the three most commonly used manual welding processes. Credits earned will depend on the training sequence selected.

A certificate is awarded to students who complete the required courses with a 2.0 grade point average or above in all required coursework.

REQUIRED COURSES

(select any two of the following WT sequences):

Shield Metal Arc Welding

- WT 111–Introduction to Shielded Metal Arc Welding (5)
- WT 114–Thermal Cutting Processes (3)
- WT 211–Intermediate Shielded Metal Arc Welding (9)
- WT 221–Shielded Metal Arc Welding Applications and Certification (9)

Flux Cored Arc Welding

- WT 112–Introduction to Wirefeed Welding (5)
- WT 114–Thermal Cutting Processes (3)
- WT 212–Intermediate Wirefeed Welding (9)
- WT 222–Wirefeed Welding Applications and Certification (9)

Inert Gas and Aluminum Welding

- WT 113–Introduction to Inert Gas and Aluminum Welding (5)
- WT 118–Welding Joint Design and Welding Symbols (3)
- WT 213–Intermediate Inert Gas and Aluminum Welding (9)
- WT 223–Inert Gas and Aluminum Welding Applications and Certification (9)

Plus related instruction in

- MANF 120–Industrial Safety (2)

- MANF 121–First Aid and CPR (1)
- CMST& 210–Interpersonal Communication: E (5)
- ENGL& 101–English Composition I (5)
- WT 140–Print Reading in Welding (3)
- WT 199–Cooperative Education Experience (1-15) (1)
- WMATH 100–Professional Technical Applied Math (5)

WELDING TECHNOLOGY: ALUMINUM WELDING SPECIALTY CERTIFICATE

32 credits

This certificate focuses on specific welding process skills which culminates with the passing of a standard welder qualification test using the covered process. The training time needed to pass the culminating welder qualification test will vary based on past experience and pace of learning.

A certificate is awarded to students who complete the required courses with a 2.0 grade point average or above in all required coursework.

REQUIRED COURSES

- WT 113–Introduction to Inert Gas and Aluminum Welding (5)
- WT 118–Welding Joint Design and Welding Symbols (3)
- WT 140–Print Reading in Welding (3)
- WT 213–Intermediate Inert Gas and Aluminum Welding (9)
- WT 223–Inert Gas and Aluminum Welding Applications and Certification (9)
- MANF 120–Industrial Safety (2)
- MANF 121–First Aid and CPR (1)

WELDING TECHNOLOGY: FLUX-CORED ARC WELDING SPECIALTY CERTIFICATE

32 credits

This certificate focuses on specific welding process skills which culminates with the passing of a standard welder qualification test using the covered process. This is a strictly skills-based certificate. The training time needed to pass the culminating welder qualification test will vary based on past experience and pace of learning.

A certificate is awarded to students who complete the required courses with a 2.0 grade point average or above in all required coursework.

REQUIRED COURSES

- WT 112–Introduction to Wirefeed Welding (5)
- WT 114–Thermal Cutting Processes (3)
- WT 140–Print Reading in Welding (3)
- WT 212–Intermediate Wirefeed Welding (9)
- WT 222–Wirefeed Welding Applications and Certification (9)
- MANF 120–Industrial Safety (2)
- MANF 121–First Aid and CPR (1)

6 GENERAL DEGREE/PROGRAM INFORMATION

BAS-AMD • BAS-ECE • BAS-EC • BAS-M • BASM-HM • BS-CS • AA-DTA • AS-T • AVA • DTA/MRP • A.Ed. • AAS • AAS-T • AS-T/MRP • CERTIFICATES AND MICRO-CERTIFICATES

WELDING TECHNOLOGY: SHIELDED METAL ARC WELDING SPECIALTY CERTIFICATE**32 credits**

This certificate focuses on specific welding process skills which culminates with the passing of a standard welder qualification test using the covered process. This is a strictly skills-based certificate. The training time needed to pass the culminating welder qualification test will vary based on past experience and pace of learning.

A certificate is awarded to students who complete the required courses with a 2.0 grade point average or above in all required coursework.

REQUIRED COURSES

- WT 111—Introduction to Shielded Metal Arc Welding (5)
- WT 114—Thermal Cutting Processes (3)
- WT 140—Print Reading in Welding (3)
- WT 211—Intermediate Shielded Metal Arc Welding (9)
- WT 221—Shielded Metal Arc Welding Applications and Certification (9)
- MANF 120—Industrial Safety (2)
- MANF 121—First Aid and CPR (1)

WELDING TECHNOLOGY, WABO CERTIFICATION

The SVC Welding Program is an approved test lab for the Washington Association of Building Officials (WABO) welder certification program. Students completing certification or degree programs will have the opportunity to earn this important industry credential (a nominal fee is required). Special coursework is available to prepare experienced welders for this test.

7 Other Degree/Program Information

DISTRIBUTION LISTS – AA-DTA

Select credits from three areas of study: Natural Sciences, Social Sciences, and Humanities. Eligible courses are listed below. A specific course may be credited toward no more than one distribution requirement. Courses with an ampersand (&) are Common Course Numbering courses.

Natural Sciences (15 cr.)

Select courses from at least two of the following disciplines, with no more than 10 credits from one discipline and no more than 5 credits in Math or Earth Sciences. One lab science must also be included in selected courses.

*Lab courses are indicated with an **

Biological Science

- BIOL& 100 – Survey of Biology (5) *
- BIOL 105 – Introduction to Plant Science (5) *
- BIOL 111 – Matter and Energy in Life Science (5) *
- BIOL 127 – Ecosystems of the Pacific Northwest (5)
- BIOL 133 – Field Botany (5) *
- BIOL& 160 – General Biology w/Lab (5) *
- BIOL& 170 – Human Anatomy (5)
- BIOL 190 – Life in the Sea (3)
- BIOL 205 – Marine Biology (5) *
- BIOL& 221 – Majors Ecology/Evolution (5) *
- BIOL& 222 – Majors Cell/Molecular Biology (5) *
- BIOL& 223 – Majors Organismal Physiology (5) *
- BIOL 224 – Ecology (5)
- BIOL& 241 – Human Anatomy and Physiology I (5) *
- BIOL& 242 – Human Anatomy and Physiology II (5) *
- BIOL& 260 – Microbiology (5) *

Chemistry

- CHEM& 100 – Preparatory Chemistry (5)
- CHEM& 105 – Chemical Concepts (5)
- CHEM& 110 – Chemical Concepts with Lab (5) *

- CHEM& 121 – Introduction to Chemistry (5) *
- CHEM& 122 – Introduction to Organic Chemistry (5)
- CHEM& 123 – Introduction to Biochemistry (5)
- CHEM& 131 – Introduction to Organic/Biochemistry (5) *
- CHEM& 161 – General Chem w/Lab I (5) *
- CHEM& 162 – General Chem w/Lab II (5) *
- CHEM& 163 – General Chem w/Lab III (5) *
- CHEM& 241 – Organic Chem I (4) and
- CHEM& 251 – Organic Chem Lab I (2) *
- CHEM& 242 – Organic Chem II (4) and
- CHEM& 252 – Organic Chem Lab II (2) *
- CHEM& 243 – Organic Chem III (3)

Earth Sciences

- ASTR& 100 – Survey of Astronomy (5)
- ASTR& 101 – Introduction to Astronomy (5) *
- EASC 102 – Meteorology (5) *
- EASC 110 – Energy and Society (5) *
- EASC 111 – Matter and Energy in Earth Science (5) *
- EASC 120 – Climate Change and Climate Solutions (5) *
- GEOL& 100 – Survey of Earth Science (5)
- GEOL& 101 – Introduction Physical Geology (5) *
- GEOL& 110 – Environmental Geology (5) *
- GEOL& 208 – Geology of Pacific NW (5) *
- NASC 100 – Introduction to Physical Science (5) *
- OCEA& 101 – Introduction to Oceanography (5) *

Environmental Conservation

- ENVC 165 – Sustainability Fundamentals (5) *
- ENVC 202 – Wildlife Biology (5) *

Environmental Science

- ENVS& 101 – Introduction to Environmental Science (5) *

Mathematics

7 Other Degree/Program Information

- MATH& 107–Math in Society (5)
- MATH& 141–Precalculus I (5)
- MATH& 142–Precalculus II (5)
- MATH& 146–Introduction to Stats (5)
- MATH& 148–Business Calculus (5) or
- MATH& 151–Calculus I (5)
- MATH& 152–Calculus II (5)
- MATH& 153–Calculus III (5)

Nutrition

- NUTR& 101–Nutrition (5)

Physics

- PHYS& 100–Physics Non-Sci Majors (5)
- PHYS 111–Matter and Energy in Physics (5) *
- PHYS& 124–General Physics Lab I (1) * and
- PHYS& 134–General Physics I (5)
- PHYS& 125–General Physics Lab II (1) * and
- PHYS& 135–General Physics II (5)
- PHYS& 126–General Physics Lab III (1) * and
- PHYS& 136–General Physics III (5)
- PHYS& 231–Engineering Phys Lab I (1) * and
- PHYS& 241–Engineering Physics I (5)
- PHYS& 232–Engineering Physics Lab II (1) * and
- PHYS& 242–Engineering Physics II (5)
- PHYS& 233–Engineering Physics Lab III (1) * and
- PHYS& 243–Engineering Physics III (5)

Social Sciences (15 cr.)

Select courses from at least two of the following disciplines, with no more than 10 credits from one discipline:

Anthropology

- ANTH& 204–Archaeology (5)
- ANTH& 205–Biological Anthropology (5)
- ANTH& 206–Cultural Anthropology (5)
- ANTH& 234–Religion and Culture (5)

Business Administration

- BUS& 101–Introduction to Business (5)
- BUS 200–Introduction to Law (5)
- BUS& 201–Business Law (5)
- BUS 241–Introduction to International Business (5)

Computer Science

- CS 101–Computers, Technology, and Society (5)

Criminal Justice

- CJ& 101–Introduction to Criminal Justice (3)
- CJ 111–Criminal Justice Procedures (3)

Economics

- ECON 101–Introduction to Economics (5)
- ECON 104–Introduction to Economic Geography (5)
- ECON 150–Consumer Economics (5)
- ECON& 201–Micro Economics (5)
- ECON& 202–Macro Economics (5)

Early Childhood Education

- ECED& 105–Introduction to Early Childhood Education (5)

Education

- EDUC& 115–Child Development (5)
- EDUC& 122–Child Development II (5)
- EDUC& 202–Introduction to Education (5)

ETHNIC Studies

- ETHNC 100–American Minorities (5)
- ETHNC 111–Pacific Northwest Indigenous People: E (5)
- ETHNC 120–Introduction to the Chicano Movement: Culture, Politics, and Thought: E (5)
- ETHNC 201–Minorities in American Society (5)

Geography

- GEOG& 100–Introduction to Geography (5)

History

- HIST& 116–Western Civilization I (5)
- HIST& 117–Western Civilization II (5)
- HIST& 118–Western Civilization III (5)
- HIST 121–Religions of the World (5)
- HIST& 126–World Civilizations I (5)
- HIST& 127–World Civilizations II (5)
- HIST& 128–World Civilizations III (5)
- HIST& 146–U.S. History I (5)
- HIST& 147–U.S. History II (5)
- HIST& 148–U.S. History III (5)
- HIST& 214–Pacific NW History (5)
- HIST& 215–Women in U.S. History (5)
- HIST& 219–Native American History (5)

7 Other Degree/Program Information

- HIST 242 – History of the Modern Middle East (5)
- HIST 270 – History of Modern Asia (5)

International Studies

- IS 200 – States and Capitalism: the Origins of Western Wealth and Power (5)
- IS 201 – The International System (5)
- IS 202 – Cultural Interactions in an Interdependent World (5)

Library

- LIB 201 – Critical Information Studies and Research Methods (5)

Political Science

- POLS& 101 – Introduction to Political Science (5)
- POLS 200 – Introduction to Law (5)
- POLS 201 – Comparative Government (5)
- POLS& 202 – United States Government (5)
- POLS& 203 – International Relations (5)
- POLS 204 – State and Local Government (5)

Psychology

- PSYC& 100 – General Psychology (5)
- PSYC 115 – Knowing and Learning (5)
- PSYC& 180 – Human Sexuality (5)
- PSYC& 200 – Lifespan Psychology (5)
- PSYC 202 – Biopsychology (5)
- PSYC 205 – Social Psychology (5)
- PSYC& 220 – Abnormal Psychology (5)

Social Science

- SOSC 100 – Global Issues/Social Science (5)
- SOC 110 – Gender and Power:
Introduction to Gender Studies: E (5)
- SOSC 190 – Social History of Work (1-3)

Sociology

- SOC& 101 – Introduction to Sociology: E (5)
- SOC 112 – Comparative Ethnic Relations (5)
- SOC& 201 – Social Problems (5)
- SOC 204 – Introduction to Stratification and Inequality in America: E (5)
- SOC 206 – Sociology of the Family (5)

Humanities (15 cr.)

Select courses from at least two of the following disciplines, with no more than 10 credits from one discipline. No more than 5 credits may be applied in world languages at the 100 level. No more than 5 credits may be applied in performance/skill studio courses.

*Performance/skill courses are indicated with an **

Art

- ART& 100 – Art Appreciation (5)
- ART 101 – Drawing Fundamentals (5) *
- ART 111 – Two Dimensional Color and Design (5) *
- ART 142 – Survey of Art History: Prehistory to 1300 AD (5)
- ART 143 – Survey of Art History: 1300-1850 (5)
- ART 144 – Modern Art History (5)
- ART 150 – Health and Safety in the Visual Arts (1)
- ART 181 – Photography I (4) *
- ART 201 – Painting I (5) *
- ART 241 – Ceramics I (1-5) *

Communication Studies

- CMST& 102 – Introduction to Mass Media (5)
- CMST 105 – Multicultural Communication (5)
- CMST 141 – Oral Interpretation of Literature (5)
- CMST 201 – Communication Theory (5)
- CMST& 240 – Intercultural Communication (5)
- CMST& 220 – Public Speaking (5)

Drama

- DRMA& 101 – Introduction to Theatre (5)
- DRMA 133 – Acting: Voice Expression (5) *
- DRMA 134 – Acting: Physical Expression (5) *
- DRMA 136 – Acting Shakespeare (5)
- DRMA 236 – Theater History I: Ancient-Renaissance (5)
- DRMA 237 – Theater History II: Renaissance – 1850 (5)
- DRMA 238 – Modern Theater History (5)

English

- ENGL& 112 – Introduction to Fiction (5)
- ENGL& 113 – Introduction to Poetry (5)
- ENGL 115 – Introduction to Film (5)
- ENGL 120 – Introduction to Children's Literature (5)
- ENGL& 111 – Introduction to Literature (5)
- ENGL& 220 – Introduction to Shakespeare (5)

7 Other Degree/Program Information

- ENGL& 236–Creative Writing I (5)
- ENGL 239–Introduction to U.S. Latino Literature (5)
- ENGL 250–Introduction to American Literature (5)
- ENGL& 254–World Literature I (5)
- ENGL 283–British Literature 19th and 20th Centuries (5)

Humanities

- HUM& 101–Introduction to Humanities (5)

Journalism

- JOUR 101–Introduction to Journalism and Newswriting (5)

Music

- MUSC 100–Music Fundamentals (5)
- MUSC& 105–Music Appreciation (5)
- MUSC 124–Survey of Music History: Ancient to 1750 ACE (5)
- MUSC 125–Survey of Music History: 1750-1900 (5)
- MUSC 126–Survey of Music History: 1900-Present (5)
- MUSC 127–History of Rock and Roll (5)
- MUSC 128–Jazz: America's Artform (5)
- MUSC 129–World Music (5)
- MUSC 137–Choir (2) *
- MUSC 138–Small Vocal Ensemble (5) *
- MUSC& 141–Music Theory I (5)
- MUSC& 142–Music Theory II (5)
- MUSC 164–Jazz Ensemble (1-3) *

Philosophy

- PHIL& 101–Introduction to Philosophy (5)
- PHIL& 106–Introduction to Logic (5)
- PHIL 115–Introduction to Learning and Knowing (5)
- PHIL 140–Philosophy of Religion (5)
- PHIL 215–Introduction to Ethics: E (5)

World Languages

AMERICAN SIGN LANGUAGE

- ASL& 121–American Sign Language I (5)
- ASL& 122–American Sign Language II (5)
- ASL& 123–American Sign Language III (5)

CHINESE

- CHIN& 121–Chinese I (5)
- CHIN& 122–Chinese II (5)
- CHIN& 123–Chinese III (5)

FRENCH

- FRCH& 121–French I (5)
- FRCH& 122–French II (5)
- FRCH& 123–French III (5)
- FRCH& 221–French IV (5)

JAPANESE

- JAPN& 121–Japanese I (5)
- JAPN& 122–Japanese II (5)
- JAPN& 123–Japanese III (5)

SPANISH

- SPAN& 121–Spanish I (5)
- SPAN& 122–Spanish II (5)
- SPAN& 123–Spanish III (5)
- SPAN& 221–Spanish IV (5)
- SPAN& 222–Spanish V (5)
- SPAN& 223–Spanish VI (5)

GRAY AREA COURSES

Gray area courses include, but are not limited to, those found in the following departments. Exceptions count as Academic Electives.

Accounting

- ACCT 142–Payroll Procedures (3)
- ACCT 145–Small Business Accounting I (5)
- ACCT 146–Small Business Accounting II (5)
- ACCT 242–QuickBooks (3)

Allied Health Education

All courses

Automotive Technology

All courses

College and Career Success Skills

All courses

Composites Technology

All courses

Communication Studies

- CMST 125–Professional Communication (3)

Craft Brewing

All courses

Criminal Justice

All courses except

- CJ& 101–Intro Criminal Justice (3)

7 Other Degree/Program Information

- CJ& 105—Intro to Corrections (3)
- CJ& 110—Criminal Law (3)
- CJ 111—Criminal Justice Procedures (3)

Culinary Arts

All courses

Dental Assisting

All courses

Diesel Power Technology

All courses

Early Childhood Education

All courses except

- ECED& 105—Introduction to Early Childhood Education (5)

Education Paraprofessional

All courses except

- EDUC& 115—Child Development (5)
- EDUC& 122—Child Development II (5)
- EDUC& 202—Introduction to Education (5)
- EDUC& 203—Exceptional Child (3)
- EDUC 223—Practicum and Seminar (5)
- EDUC 246—Working with Bilingual Children (3)

Engineering

- ENGR 100—Engineering Orientation (2)
- ENGR 199—Cooperative Education Experience (1-15)
- ENGR 299—Learning into Action (1-15)

English

- ENGL 170—Professional and Technical Communication (3)

Environmental Conservation

- ENVC 165—Sustainability Fundamentals (5)
- ENVC 202—Wildlife Biology (5)

Environmental Sustainable Agriculture

All courses

Family Life

All courses

Firefighter Protection Technology

All courses

Geographic Information Systems

All courses

Health and Fitness

All courses

Human Services

All courses except

- HSERV 141—Alcoholism and other Addictive Disorders (5)

Journalism

No more than 2 credits applied news writing

Manufacturing Technology

All courses (Including Operations Technology)

Marine Maintenance Technology

All courses

Multimedia and Interactive Technology

All courses

Nursing

All courses

Physical Education

All courses (one credit in addition to the 3-credit PE degree requirement)

Political Science

- POLS 131—Seminar in Educational Government I (1)
- POLS 132—Seminar in Educational Government II (1)

Social Science

- SOSC 113—Job Search (1)
- SOSC 125—Employer/Employee Roles and Perspectives (2)
- SOSC 131—College Governance (1)
- SOSC 132—Student Leadership Seminar (1-2)

Technical Design

All courses

Veterinary Assistant

All courses

Welding Technology

All courses

Additional course options

- Any class taken as CLEP, DANTES, or for military credit
- Independent study workshop classes
- Cooperative classes (199): AHE 199, AT 199, BIOL 199, CUL 199, CHEM 199, DSL 199, ECED 199, ENGR 199, ENVC 199, GIS 199, HFT 199, MIT 199, MT 199, PHYS 199, VETA 199, and WT 199
- Learning into Action (LIA) classes (299): ANTH 299, ART 299, AT 299, BIOL 299, BUS 299, CHEM 299, CMST 299, DRMA 299, EASC 299, ECON 299, EDUC 299, ENGL 299, ENGR 299, ETHNC 299, GEOG 299, HIST 299, HUM 299, MATH 299, MUSC 299, PE 299, PHIL 299, PHYS 299, POLS 299, PSYC 299, SOC 299, SOSC 299, and SPAN 299

7 Other Degree/Program Information

ASSOCIATE OF ARTS GENERAL STUDIES, AA

Program Overview

The Associate of Arts General Studies Degree is appropriate for students whose primary goal is to earn a two-year college degree. It may be suitable for you if you wish to apply credit by challenge, independent study, CLEP, professional/technical, or military programs to courses not included in the Direct Transfer Agreement (DTA) where applicable.

This degree is not designed to be a transfer degree. It is strongly recommended that students taking the AA General Studies degree and desiring to transfer to a four-year college or university seek the assistance of an advisor to plan an appropriate course of study. This entire degree can be completed online.

Learning Outcomes

GENERAL EDUCATION LEARNING OUTCOMES

Think

Think analytically, logically, creatively, and reflectively.

- Recognize how the values and biases in different disciplines can affect the ways in which information and knowledge are created and analyzed
- Analyze issues and develop questions within a discipline
- Access, interpret, and evaluate relevant information to reach defensible conclusions
- Develop unique and/or innovative solutions and gain insight utilizing reflective and creative thought processes

Quantify

Apply mathematical skills quantitatively, logically, creatively, and critically.

- Use mathematical principles and methods to reason, gain insight, and solve problems
- Interpret data presented in various formats

Communicate

Produce and exchange ideas and information through written, spoken, and visual forms.

- Read, comprehend, and produce college level writing
- Demonstrate effective interpersonal, group, and/or public communication skills
- Develop appropriate communication strategies to inform, persuade, or entertain
- Demonstrate informational, critical, and empathetic listening skills appropriate to a given context
- Analyze, interpret, and/or create visually communicated content.

Integrate

Apply knowledge, skills, and methodologies from multiple disciplines.

- Recognize the interconnectedness of diverse disciplines and areas of study.
- Identify the strengths and limitations of different disciplinary frameworks and methodologies and their implementation.
- Identify and evaluate the relationships among different perspectives within a field of study or among different fields of study.
- Demonstrate cognitive complexity by considering issues from multiple perspectives.

Engage

Interact with humans and the environment informed by an understanding of equity.

- Demonstrate an understanding of the historically and socially constructed nature of human differences, with a particular focus on power and privilege
- Identify prevailing systems of power and one's individual and group status
- Reflect critically on one's ethical role and identity as a citizen, consumer, student, and environmental actor
- Apply cross-cultural communication strategies and skills appropriate to a given context.

PROGRAM LEARNING OUTCOMES

Graduates of the AA-DTA program will be able to:

NATURAL SCIENCES OUTCOMES

- Collect and analyze data and interpret the results from scientific investigations.
- Demonstrate an understanding of the fundamental concepts in at least one scientific discipline.
- Demonstrate scientific literacy.

SOCIAL SCIENCES OUTCOMES

- Apply concepts from the social sciences to analyze individual or social phenomena, processes, events, conflicts, or issues.
- Explain the variables that influence the structure of cultures and societies.
- Identify social variables, structures, and experiences that shape individual perspectives.

HUMANITIES OUTCOMES

- Apply skills, terms, concepts, research and/or analysis methods to express ideas within the humanities.
- Analyze and/or interpret creative and communicative expressions of the humanities.

PHYSICAL EDUCATION OUTCOMES

- Develop mental and physical health through movement.

7 Other Degree/Program Information

- Gain knowledge of body systems and demonstrate skills necessary to pass national or state certification tests for emergency response.
- Obtain and apply science-based knowledge to support personal fitness, health, and well-being.

Degree Requirements

This degree requires a total of 90 credits in courses numbered 100-level or above. At least 25 quarter college-level credits must be earned at SVC with a minimum cumulative GPA of 2.0. Credits must satisfy requirements listed below.

An ampersand (&) denotes Common Course Numbering.

1. First Quarter Experience (2 cr.)
 - CSS 103–First Quarter Experience (2)
2. Communication Skills (13-15 cr.)
 - ENGL& 101–English Composition I (5)

Choose one:

- CMST& 210–Interpersonal Communication: E (5)
- CMST& 220–Public Speaking (5)
- CMST& 230–Small Group Communication (1-5)
- EAP 105–Bridge I: Communication Skills (5)

Choose a second course in Communications Distribution:

- ENGL& 102–Composition II (5)
- ENGL 103 –Advanced Composition (5)
- ENGL 170–Professional and Technical Communication (3)
- ENGL& 235–Technical Writing (5)
- CMST 125–Professional Communication (3)
- CMST& 210–Interpersonal Communication: E (5)
- CMST& 220–Public Speaking (5)
- CMST& 230–Small Group Communication (1-5)
- EAP 105–Bridge I: Communication Skills (5)

3. Physical Education (3 cr.)

Two credits must be activities.

4. Natural Science/Technologies (15 cr.)

Maximum of 10 credits from one department:

- Astronomy
- AAS Technologies
- Biological Sciences
- Chemistry
- Earth Science
- Environmental Conservation 202
- Environmental Science
- Geology
- Mathematics (100-level and above)
- Natural Science
- Nutrition
- Oceanography
- Physics

5. Social Sciences (15 cr.)

Maximum of 10 credits from one department:

- Anthropology
- Business Administration: BUS 101, BUS 201, BUS 241
- Computer Science: CS 101
- Criminal Justice CJ& 101
- Early Childhood Education: ECED& 105
- Economics
- Education: EDUC 115, EDUC 122, EDUC 202
- Ethnic Studies
- Geography
- History
- International Studies
- Political Science
- Psychology
- Social Science
- Sociology

6. Humanities (15 cr.)

Maximum of 10 credits from one department:

- Art
- Communication Studies CMST 102, CMST 105, CMST 141, CMST 201, CMST 240, CMST 220,
- Drama
- English ENGL 111, ENGL 112, ENGL 113, ENGL 115, ENGL 120, ENGL 220, ENGL 236, ENGL 239, ENGL 250, ENGL 254, ENGL 283
- Humanities
- Music
- Philosophy
- World Languages

7. Electives (25-29 cr.)

In order to accumulate 90 college-level (100 or higher) credits for the degree, you will need elective credits. You may select electives from the **Distribution Lists** in the Natural Sciences, Humanities or Social Sciences, or any other transferable college-level **Academic Elective** courses. A maximum of 45 credits from **Gray Area** courses are allowed in this degree. Professional/ technical credits, credits by examination, independent study, PE activity credits beyond two credits, military credits, DANTES, CLEP, Advanced Placement exams and seminars, workshops are examples of “gray area” credits. Consult your academic advisor or credit evaluator.

7 Other Degree/Program Information

8 Course Descriptions

ACCT 142 Payroll Procedures (3)

BUSINESS ADMINISTRATION

Computation of employee earnings, completion of payroll register, completion of individual earnings records, and preparation of various tax forms and reports.

Prerequisite: None.

ACCT 145 Small Business Accounting I (5)

BUSINESS ADMINISTRATION

Learn to analyze and record the business transactions of sole-proprietorship, service businesses in journals and ledgers using double-entry accounting. Complete worksheets, record adjusting and closing entries, and create financial statements as required for a complete accounting cycle. Additional topics include cash control, basic payroll preparation, and partnerships. Not intended for transfer.

Prerequisite: None.

ACCT 146 Small Business Accounting II (5)

BUSINESS ADMINISTRATION

Learn to analyze and record the business transactions of sole-proprietorship, merchandise businesses in general and special journals using double-entry accounting. Complete worksheets, record adjusting and closing entries, and create financial statements as required for a complete accounting cycle. Additional topics include notes payable and notes receivable, bad debt, inventory, and fixed assets. Not intended for transfer.

Prerequisite: ACCT 145 with a "D" or higher.

ACCT 159 Governmental Accounting (5)

BUSINESS ADMINISTRATION

Essentials of accounting for governmental and not-for-profit organizations. Introduction to budgeting, accounting, and reporting systems (BARS).

Prerequisite: OBT 145 and OBT 146 or ACCT& 201 with a "D" or higher.

ACCT& 201 Prin of Accounting I (5)

BUSINESS ADMINISTRATION

Introduction to financial accounting as an essential part of business decision making. The concepts of asset/liability valuation and reporting, income measurement, inventory systems, and the preparation and interpretation of financial statements are presented. Required for business majors transferring to 4-year business programs.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

ACCT& 202 Prin of Accounting II (5)

BUSINESS ADMINISTRATION

A continued study of financial accounting (ACCT& 201). Topics include accounting for plant assets, debt and equity securities, current and long-term liabilities, payroll, stocks, Statement of Cash Flows, and financial statement analysis. Required for business majors transferring to 4-year business programs.

Prerequisite: ACCT& 201 with a "C" or higher.

ACCT& 203 Prin of Accounting III (5)

BUSINESS ADMINISTRATION

Introduction to managerial accounting which uses accounting data as a basis for the planning, controlling, and decision-making activities of managers. Topics include job and process costing, cost-volume-profit analysis, budgeting and control, and short-term and capital investment decision making.

Prerequisite: ACCT& 202 with a "C" or higher or concurrent enrollment.

ACCT 242 QuickBooks (3)

BUSINESS ADMINISTRATION

Introduction to the completion of the accounting cycle using QuickBooks Pro accounting software. Includes accounting for customers and vendors, inventory, budgets, and financial reports.

Prerequisite: ACCT 145 or ACCT& 201 with a "D" or higher.

ACCT 244 Sage 50 (3)

BUSINESS ADMINISTRATION

Introduction to the completion of the accounting cycle using Sage (formerly Peachtree) accounting software. Includes accounts payable, accounts receivable, inventory, and financial reports.

Prerequisite: ACCT 145 or ACCT& 201 with a "D" or higher.

AHE 101 Healthcare Interactions (3)

HEALTH SCIENCES

Self-awareness training. Receiving, organizing, prioritizing and transmitting effective and therapeutic communications with patients who have a variety of diagnoses. Development of team member and leadership skills. Discussion of death, dying and the grieving process of a variety of different cultures.

Prerequisite: Concurrent enrollment in CSS 103; see Allied Health department to apply and for permission code.

AHE 102 Basic Medical Terminology (5)

HEALTH SCIENCES

Learning word parts of medical terms; word building and definitions; medical terms as related to each system of the human body. Correct spelling of medical terms and medical conditions is emphasized. Influence of different cultures on medical terms.

Prerequisite: None.

8 Course Descriptions

AHE 103 Law, Ethics, and Professionalism in Healthcare (5)

HEALTH SCIENCES

Legal and working relationships between medical personnel and patients; professional liability; intentional and unintentional torts; contracts; law of agency; informed consent; professional practice requirements; medical ethics; public duties and responsibilities; licenses and accreditation; workplace legalities; influence of cultural mores. Professionalism and image, goal setting, time management, and relationships between healthcare teams.

Prerequisite: AHE 101 with a "C" or higher or concurrent enrollment.

AHE 105 Electronic Medical Documents and Administrative Procedures (6)

HEALTH SCIENCES

Learn about Electronic Medical Records (EMR), bookkeeping and basic accounting in today's medical office. Covers appointment scheduling, telephone practices, processing mail, downloading/uploading electronic medical records information, inventory, office insurance, ordering and maintenance of office equipment and supplies; banking, payroll, credit and collection; organizing a procedure manual, time-management techniques, and cultural differences concerning perception of time and expectation.

Prerequisite: AHE 101 with a "C" or higher or concurrent enrollment.

AHE 106 Anatomy and Physiology (6)

HEALTH SCIENCES

Study of the structure and function of the multiple systems of the human body. Study how the body systems are interdependent in maintaining homeostasis. Develop an understanding of how cultural influences may alter the external appearances and internal functioning of different populations. Significant laboratory component required.

Prerequisite: AHE 102 or equivalent with minimum C grade and department chair permission required.

AHE 107 Clinical Non-Sterile Procedures (6)

HEALTH SCIENCES

Definition and theory of medical asepsis; information on non-sterile procedures/tests, i.e. temperature, pulse, respiration, blood pressure, electrocardiograms, audiograms, visual acuity, colorblindness, spirometry, height and weight, physical examinations, charting and documentation. Awareness of universal precautions to protect the patient and the healthcare professional. Discussion of cultural beliefs and expectations concerning health care interactions. Includes lab practice of selected non-sterile procedures.

Prerequisite: Concurrent enrollment in AHE 108.

AHE 108 Clinical Sterile Procedures (6)

HEALTH SCIENCES

Theory of surgical asepsis and proper disposal of biohazardous and contaminated materials. Discussion of body mechanics and rehabilitative medicine. Principles of nutrition and diet therapy. Awareness of culture, ethnicity, and economics regarding patient compliance. Accurate charting and documentation principles. Includes lab practice of selected sterile procedures.

Prerequisite: Concurrent enrollment in AHE 107.

AHE 109 Medical Disease and Pathology (4)

HEALTH SCIENCES

Overview of the many diseases and conditions affecting the human body. Includes discussions of how cultural perceptions and influences affect medical disease and pathology. Disease prevention and lifestyle for health.

Prerequisite: AHE 106 or equivalent with minimum C grade and department chair permission.

AHE 110 Introduction to Medical Coding and Insurance (5)

HEALTH SCIENCES

Use of the Current Procedural Terminology (CPT) and International Classification of Diseases (ICD) manuals to properly code and process government and private insurance forms. Other procedure/diagnosis coding systems include: Diagnosis Related Groups (DRGs), Healthcare Common Procedure Coding System (HCPCS), Resource Based Relative Value Scale (RBRVS); and managed care referrals and pre-certifications.

Prerequisite: AHE 102 and OBT 162 with a grade of C or higher.

AHE 112 Basic Pharmacology (5)

HEALTH SCIENCES

Introduction to drugs: sources, schedules, forms, uses and actions, side effects, adverse effects and classifications. Contributions of different cultures to drug therapy. Information regarding medication orders and prescriptions.

Prerequisite: AHE 101 with a "C" or higher or concurrent enrollment.

AHE 113 Introduction to Phlebotomy (3)

HEALTH SCIENCES

Review government regulations concerning blood products. Perform venipunctures and capillary punctures. Perform selected blood tests. Discussion of cultural/religious beliefs concerning blood products.

Prerequisite: AHE 108 with a grade of C or higher; and concurrent enrollment in AHE 114. Must provide documentation of first two injections of Hepatitis B vaccination series prior to registering for class. Instructor permission required.

AHE 114 Microbiology/Medical Lab Procedures (5)

HEALTH SCIENCES

Methods of collecting, processing, preparing, and preserving lab specimens. Discussion of government regulations and cultural beliefs concerning specimens. Urinalysis, pertinent hematology, immunology and microbiology tests and procedures are presented.

Prerequisite: AHE 108 with a grade of C or higher; and concurrent enrollment in AHE 115. Must provide documentation of first two injections of Hepatitis B vaccination series prior to registering for class.

AHE 115 Injection Therapy (4)

HEALTH SCIENCES

Procedures of oral administration of drugs. Familiarization with equipment and supplies for parenteral administration of medications. Theory and practice of reading the medication order, drawing up of medications and parenteral administration of medications, and theory of IV therapy. Cultural aspects of medication administration are discussed. Upon successful completion of AHE 115, each student must meet all requirements for practicum placement.

Prerequisite: AHE 108 and AHE 118 with grade C or higher; and concurrent enrollment in AHE 114. Must provide documentation of first two injections of Hepatitis B vaccination series prior to registering for class.

8 Course Descriptions

AHE 116 Medical Assistant Clinical Practicum (6)

HEALTH SCIENCES

Supervised practicum in an approved medical facility for medical assistant students. Application of knowledge learned in previous courses; experience to increase understanding and appreciation of other cultures. Interact with other health care professionals and patients to enhance the development of a professional demeanor.

Prerequisite: Complete each course in the AHE certificate with a minimum C grade; have current American Heart Association Basic Life Support (BLS) card; have current First Aid card; have completed immunization requirements; present evidence of a current negative TB test. Must have permission/endorsement of the department chair to enroll. Concurrent enrollment in AHE 117 required.

AHE 117 Medical Assistant Clinical Practicum Seminar (1)

HEALTH SCIENCES

Discussion and critical analysis of student experiences in their various practicum placements. Topics include legal concepts, professionalism, and aspects of culture and application of front office and clinical skills. Includes a community service project and sitting for the CMA (AAMA) exam.

Prerequisite: Concurrent enrollment in AHE 116.

AHE 118 Drug Dosage Calculations (5)

HEALTH SCIENCES

Application of arithmetic skills and metric system to the calculating of ratios and percentages related to drug dosages.

Prerequisite: MATH 096 or equivalent with a "C" or higher.

AHE 130 Introduction to Pharmacy Practice (4)

HEALTH SCIENCES

Introduction and orientation to the influence that medication laws, standards and regulations have on pharmacy practice and the concept of quality assurance and its procedures. Focuses on the patient care continuum and the pharmacy technician's role in its delivery with emphasis on the different roles of pharmacists and technicians.

Prerequisite: Concurrent enrollment in AHE 131 and 132; completion of AHE 102 and AHE 112 and AHE 118 and OBT 162 or higher with minimum C grade. Instructor permission required.

AHE 131 Pharmacy Technician Terminology (3)

HEALTH SCIENCES

Emphasis on specific medical terminology and mathematics related to pharmacy. Focuses on how to interpret prescription or medication orders, including how to interpret medical abbreviations, terminology, pharmaceutical equations and solutions.

Prerequisite: Concurrent enrollment in AHE 130.

AHE 132 Applied Pharmacology I (5)

HEALTH SCIENCES

Topics include pharmacodynamics, pharmacokinetics, mechanism of action, indications, side effects, common auxiliary warnings, routes of administration, and storage of medication of the current top 200 medications and over the counter medications with a focus on antibiotics, antiretroviral, antifungals, analgesics, cardiovascular, respiratory, and GI medications.

Prerequisite: Concurrent enrollment in AHE 130 and AHE 131.

AHE 133 Pharmacy Records Management (4)

HEALTH SCIENCES

Purchasing pharmaceuticals, devices and supplies, including acquisition in emergency situations. Controlling inventory of medications, equipment, and devices according to an established plan. Introduction to the concept of troubleshooting, maintenance and repairing pharmacy equipment, devices and facilities. Use of various forms of technology for storing, accessing and recording pharmacy data. Includes specialized terminology, filing rules and systems, paper-based and electronic files management, records security, ethical concerns with emphasis on pharmaceutical practical records and applications; regulations regarding tracking and tracing drug shipments.

Prerequisite: AHE 130 and AHE 131 and AHE 132 with a grade of C or higher.

AHE 134 Applied Pharmacology II (5)

HEALTH SCIENCES

Continuation of Applied Pharmacology. Topics include pharmacodynamics, pharmacokinetics, mechanism of action, indications, side effects, common auxiliary warnings, routes of administration, and storage of medication of the current top 200 medications and over the counter medications with a focus on musculoskeletal, endocrine, CNS agents, antianxiety, antidepressants, anticonvulsants, hormone therapy, chemotherapy agents, and urinary medications.

Prerequisite: AHE 130 and AHE 131 and AHE 132 with a grade of C or higher.

AHE 135 Community and Hospital Drug Dispensing/Management (4)

HEALTH SCIENCES

Introduction to the role of pharmacy technicians in the community and hospital pharmacy setting. Filling orders under the supervision of a registered pharmacist. Use of hospital based equipment for the processing of sterile and non-sterile dosage forms. Discussion and demonstration of sensitivity when working with a multicultural population.

Prerequisite: AHE 130 and AHE 131 and AHE 132 with a grade of C or higher.

AHE 136 Community Clinical Experience/Pharmacy Technician (3)

HEALTH SCIENCES

Practical experience in the role of a pharmacy technician in a community setting to integrate knowledge and enhance skills.

Prerequisite: AHE 134 and 135 with minimum C grade; concurrent enrollment in AHE 137 and 138.

AHE 137 Hospital Clinical Experience/Pharmacy Technician (3)

HEALTH SCIENCES

Practical experience in the role of a pharmacy technician in a hospital setting to integrate knowledge and enhance skills.

Prerequisite: AHE 134 and 135 with minimum C grade, department chair or instructor approval, and concurrent enrollment in AHE 136 and 138.

8 Course Descriptions

AHE 138 Pharmacy Technician Clinical Experience Seminar (1)

HEALTH SCIENCES

Discussion and critical analysis of student experiences in their various clinical experience placements. Topics include legal concepts, professionalism, and aspects of culture and application of various pharmacy skills. Job search readiness including finding jobs, completing applications, developing effective resumes and interviewing skills.

Prerequisite: AHE 134 and AHE 135 with a grade of C or higher.
Concurrent enrollment in AHE 136 and AHE 137 required.

AHE 150 Fundamentals of Medical Interpreting (4)

HEALTH SCIENCES

Professional practice of medical interpretation in various healthcare settings. Framework of the roles, responsibilities and skills of an interpreter. Ethics and standards; qualities and skills; healthcare systems; cultural competency; and skills practice on a range of interpreting tasks. Must have an equivalent proficiency in a second language.

Prerequisite: ENGL 095 with a grade of C or higher.

AHE 180 Clinical Procedures for MA-R to MA-C Scope (6)

HEALTH SCIENCES

Clinical procedures required for the Medical Assisting Certified credential through the Washington State Department of Health that are outside of the scope of the MA-R credential. This is a clinical procedures course designed to bridge experienced MA-R candidates to the MA-C WA scope of practice, and obtain the AAS Medical Assistant degree.

Prerequisite: Department chair permission.

AHE 199 Cooperative Education Experience (1-5)

HEALTH SCIENCES

Supervised cooperative education relative to program course in Allied Health Education.

Prerequisite: Department chair permission required.

AHE 200 First Aid and Emergency Procedures (3)

HEALTH SCIENCES

Prepares students to recognize, respond, and manage First Aid, and CPR emergencies. Covers disaster preparedness training. First Aid, AHA Basic Life Support (BLS), and 7 hour HIV/AIDS prevention certificates are awarded after successful completion of this course.

Prerequisite: AHE 101 with a "C" or higher or concurrent enrollment.

AHE 201 Basic Life Support (1)

HEALTH SCIENCES

Prepares students to recognize, respond and manage cardiac emergencies. An American Heart Association Basic Life Support for Healthcare Providers card will be issued upon completion of written test and skills demonstration.

Prerequisite: None.

AHE 202 First Aid (1)

HEALTH SCIENCES

Prepares student to recognize, respond and manage First Aid emergencies. A First Aid certificate will be awarded after successful completion of the course.

Prerequisite: None.

AHE 203 Mental Health First Aid (1)

HEALTH SCIENCES

Learn how to identify, understand, and respond to the risk factors or warning signs of mental health crisis and substance use disorders safely and responsibly. Create an action plan to help those who are experiencing mental health crisis or substance disorder. Learn the steps and tools to assess the risk, respectfully listen to the individual in crisis, and identify the appropriate professional for help.

Prerequisite: None.

AHE 221 Procedural Coding in Outpatient Settings (5)

HEALTH SCIENCES

Application of professional skills in abstracting medical records and assigning appropriate CPT and HCPCS procedural and service codes for data retrieval and claims processing in outpatient health care settings.

Prerequisite: AHE 106 and AHE 110 with a grade of C or higher.
Concurrent enrollment in AHE 222 required.

AHE 222 Diagnostic Coding in Outpatient Settings (5)

HEALTH SCIENCES

Application of professional skills in abstracting medical records and assigning appropriate ICD-10-CM diagnosis codes for data retrieval and claims processing in outpatient health care settings.

Prerequisite: AHE 106 and AHE 110 with a "C" or higher.
Concurrent enrollment in AHE 221 required.

AHE 223 Advanced Medical Insurance Billing (6)

HEALTH SCIENCES

Application of professional skills in evaluating medical records for accuracy and completeness in various health care settings. Preparing UB-04 and CMS-1500 claims for health insurance plans.

Prerequisite: AHE 221 and AHE 222 with a grade of C or higher.

AHE 230 Advanced Outpatient Coding and Auditing (5)

HEALTH SCIENCES

Advanced application of the principles of diagnostic and procedural coding and auditing practice using ICD-10-CM, CPT, and HCPCS codes in coding exercises and abstracted medical records in various healthcare settings.

Prerequisite: AHE 221 and AHE 222 with a grade of C or higher.
Concurrent enrollment in AHE 240 required.

AHE 240 National Exam Preparation (4)

HEALTH SCIENCES

Practice and preparation to apply skills and acquired knowledge for taking the national CPC exam from the American Academy of Professional Coders (AAPC).

Prerequisite: AHE 221 and AHE 222 with a grade of C or higher.
Concurrent enrollment in AHE 230 required.

AHE 241 Online Coding Practicum (6)

HEALTH SCIENCES

Code immersive real redacted medical records using the American Academy of Professional Coders (AAPC) Practicode web-based practicum. Students successfully completing Practicode Practicum are eligible to remove the "-A" apprentice from their CPC-A credential.

Prerequisite: AHE 230 and AHE 240 with a grade of C or higher.

8 Course Descriptions

ANTH& 204 Archaeology (5)

SOCIAL SCIENCES

A comprehensive survey of archaeology introducing the student to methods, principles, ethics, and reconstruction of artifacts and sites used by archaeologists to reconstruct past cultures in the old and new world.

Prerequisite: : ENGL& 101 with a "C" or higher.

ANTH& 205 Biological Anthropology (5)

SOCIAL SCIENCES

The study of human and non-human primates from a biological perspective, including the evolution of the human species over time and the biological processes involved in human adaptation. The focus is on biological principles involved in evolutionary processes, hereditary differences in human populations, the geological time scale, various forms of primates (from earliest to contemporary), the sequence of development of various fossil forms culminating in modern humans, the significance of humankind's animal heritage, and the strategic aspects in the consideration of what is distinctly human about human nature.

Prerequisite: ENGL& 101 with a "C" or higher.

ANTH& 206 Cultural Anthropology (5)

SOCIAL SCIENCES

A study of the origin and development of various forms of culture found among tribal and early agricultural peoples. This will include the development of language, the meeting of basic needs such as food and shelter, the family, magic and religion, and leisure activities (including artistic, musical, literary, and other forms of expression).

Prerequisite: ENGL& 101 with a "C" or higher.

ANTH& 234 Religion and Culture (5)

SOCIAL SCIENCES

Survey of concepts, models and theories that emphasize the anthropological study of religion and religious-like enterprises. Examines the universal basis of religion and various ways religions are constructed and relate to the society they are found within.

Prerequisite: ENGL& 101 with a "C" or higher.

ANTH 270 Field Course in Archaeology (1-10)

SOCIAL SCIENCE

Field work at an archaeological site. Practical application of techniques of excavation, artifact identification, and preservation.

Prerequisite: None.

ANTH 299 Learning into Action (1-15)

SOCIAL SCIENCES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

ART& 100 Art Appreciation (5)

HUMANITIES

An introduction to the fundamental concepts and principles of the visual arts as a form of communication that links culture and artistic development.

Prerequisite: ENGL& 101 with a "D" or higher or concurrent enrollment.

ART 101 Drawing Fundamentals (5)

HUMANITIES

A foundation studio course in which beginning students develop observational skills to create expressive drawings using line, shape, value, space and texture.

Prerequisite: None.

ART 102 Drawing Composition and Techniques (5)

HUMANITIES

An intermediate studio course in which students develop drawing skills with an emphasis on composition and technique.

Prerequisite: ART 101 with a "D" or higher.

ART 107 Life Drawing (4)

HUMANITIES

A studio course in which students are introduced to observing and drawing the human form. Using discussion and analysis students will be directed in both traditional and nontraditional use of the figure in drawing.

Prerequisite: Grade of 2.0 or higher in ENGL 097, or AESL 098, or appropriate test score.

ART 111 Two Dimensional Color and Design (5)

HUMANITIES

An introduction to the fundamental principles and elements of two dimensional design. This course will emphasize visual communication through studio work, discussion and analysis.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

ART 112 Three Dimensional Design (5)

HUMANITIES

An intermediate studio course continuing the study of the fundamental elements of visual communication in three dimensional space. Emphasis will be placed on form, plane, shape, mass and texture through both additive and subtractive processes.

Prerequisite: None.

ART 142 Survey of Art History: Prehistory to 1300 AD (5)

HUMANITIES

An introduction and exploration of the relationship between historic world events and the visual arts from the ancient period to 1300 CE.

Prerequisite: ENGL& 101 with a "D" or higher or concurrent enrollment.

ART 143 Survey of Art History: 1300-1850 (5)

HUMANITIES

An introduction and exploration of the relationship between historic world events and the visual arts from the 1300 - 1850 CE.

Prerequisite: ENGL& 101 with a "D" or higher or concurrent enrollment.

ART 144 Modern Art History (5)

HUMANITIES

An introduction and exploration of the relationship between historic world events and the visual arts from 1850 to the present.

Prerequisite: ENGL& 101 with a "D" or higher or concurrent enrollment.

8 Course Descriptions

ART 150 Health and Safety in the Visual Arts (1)

HUMANITIES

This course is an overview of health and safety concerns in the visual arts pertaining to processes and materials used in studio courses. Information will cover hazardous materials, precautions, ventilation and disposal procedures.

Prerequisite: Grade of 2.0 or higher in ENGL 097, or AESL 098, or appropriate test score.

ART 160 Portfolio (1)

HUMANITIES

This studio course is required for the AVA degree but open to all students and professionals. Students will learn documentation and presentation of a professional portfolio.

Prerequisite: Three studio courses plus 5 additional arts credits or permission of the instructor.

ART 161 Exhibition (1)

HUMANITIES

A seminar class required spring quarter of the second year of the AVA degree. Students will plan and install a graduating exhibition in the SVC Art Gallery. This course will cover professional practices in exhibition, planning, production, and publicity. Required for AVA degree.

Prerequisite: ART160 with a "D" or higher; at least 25 credits in Art.

ART 181 Photography I (4)

HUMANITIES

A studio course introducing theory, practice, and history of photography as a medium of visual communication and creative expression. Field and laboratory work on guided self-directed projects in digital and black and white processing/printing. Students supply materials and digital camera. No text purchase. Fully manual film cameras are available in the lab. Lab fee.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

ART 182 Photography II (4)

HUMANITIES

An intermediate or advanced studio course continuing the practice and refinement of vision and technique in digital and black and white photography with emphasis on content and meaning, visual structure, and presentation. Students supply materials and digital camera. No text purchase. Fully manual film cameras are available in the lab. May be retaken for up to 8 credits. Lab fee.

Prerequisite: ART 180 or ART 181 with a "D" or higher.

ART 201 Painting I (5)

HUMANITIES

An introductory studio course that focuses on fundamental painting techniques, composition, and preparation. Emphasis will be placed on discussion, critical analysis, and cultural context.

Prerequisite: Grade of C or higher in ENGL 097, or AESL 098, or appropriate test score.

ART 202 Painting II (5)

HUMANITIES

An intermediate or advanced studio course in either oil, watercolor or acrylic medium. This course will continue the study of formal composition and analysis with an emphasis on development of subject matter, themes and individual style. Course content will focus on research and independent projects. May be repeated for a total of 8 credits.

Prerequisite: ART 201 with a "D" or higher.

ART 241 Ceramics I (5)

HUMANITIES

An introductory studio course that focuses on fundamental hand building and glazing techniques. Emphasis will be placed on discussion and analysis.

Prerequisite: Grade of C or higher in ENGL 097, or AESL 098, or appropriate test score.

ART 242 Ceramics II (5)

HUMANITIES

An intermediate or advanced studio course which focuses on throwing and advanced hand-building techniques. Emphasis is on discussion and analysis. May be retaken for up to 8 credits.

Prerequisite: ART 241 with a "D" or higher.

ART 261 Printmaking I (4)

HUMANITIES

An introductory studio course in which students learn basic printmaking processes including but not limited to relief, etching and/or monotype. Emphasis will be placed on discussion and analysis.

Prerequisite: None. (for pending AVA majors, ART 101 or 111 highly recommended).

ART 262 Printmaking II (4)

HUMANITIES

An intermediate or advanced studio course focusing on continued development with printmaking processes and techniques. Course content will focus on research and independent projects.

Prerequisite: ART 261 with a "D" or higher.

ART 299 Learning into Action (1-15)

HUMANITIES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

ART 300 Art for Teachers (5)

HUMANITIES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: BASECE Department Chair permission.

8 Course Descriptions

ASL& 121 American Sign Language I (5)

HUMANITIES

An introduction to conversationally relevant signs, finger spelling, grammatical principles of American Sign Language (ASL), cultural background and information relating to the deaf community and American Sign Language.

Prerequisite: Grade of 2.0 or higher in ENGL 097, or AESL 098, or appropriate test score.

ASL& 122 American Sign Language II (5)

HUMANITIES

Further expansion of pre-existing vocabulary to include creative conversation incorporating the rules of communication in an accurate and fluent manner.

Prerequisite: ASL& 121 with a "C" or higher.

ASL& 123 American Sign Language III (5)

HUMANITIES

Practice and development of ASL in social and professional settings. Further incorporation of rules, vocabulary, and style will be included.

Prerequisite: ASL& 122 with a "C" or higher.

ASTR& 100 Survey of Astronomy (5)

NATURAL SCIENCES

Astronomy for non-scientists with topics including birth and death of stars, workings of the solar system, Big Bang, quasars, pulsars, black holes, and the search for extraterrestrial life.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

ASTR& 101 Introduction to Astronomy (5)

NATURAL SCIENCES

A survey of astronomy including the solar system, stellar evolution, galactic structure, and cosmology. Emphasis on recent discoveries, historical and cultural impact of astronomy, application of physical science to astronomical observations, and stargazing. Lab included.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

AT 100 Automotive Fundamentals (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to automotive vehicle systems, maintenance, tool usage, and safety practices. Exploration of career opportunities and industry certifications included. Designed for non-degree seeking students.

Prerequisite: None.

AT 101 Industrial Safety and Fundamentals (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to shop safety and basic industrial skills required for employment in the automotive or other trade industries. Discussion of shop safety concerns and safe practices including OSHA 10 certification. Introduction to basic shop practices including safe use of shop equipment, proper use of hand and power tools, equipment maintenance, hardware identification, and basic vehicle inspection and maintenance.

Prerequisite: None.

AT 107 Light Maintenance I (8)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to basic automotive maintenance including batteries, starting and charging systems, lighting, fluids, tires, and other general services. Industry terminology, workplace safety, tools and repair information included.

Prerequisite: None.

AT 121 Automotive Electrical I (7)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Fundamentals of electricity including series, parallel and series-parallel circuit operation; electrical measurement including voltage, amperage and resistance; diagnosis and repair of batteries, starting and charging systems, and vehicle lighting.

Prerequisite: AT 101 and AT 133 or concurrent enrollment; and placement into ENGL 99 or completion of ENGL 97 or CCB 97 or ODHS 97 with a C or higher; and placement into MATH 96 or completion of MATH 95 or HSC 44 or ODHS 44 with a C or higher.

AT 124 Brake Systems (8)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Operation, diagnosis and repair of automotive brake systems including disc and drum brakes, hydraulic systems, anti-lock systems and computer controls. Perform diagnosis, service and repair on a variety of vehicles.

Prerequisite: AT 133 with a D grade or higher; and concurrent enrollment in AT 131 and ENGL& 101.

AT 131 Suspension, Steering and Alignment Systems (7)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Operation, diagnosis and repair of suspension, steering and alignment systems including suspension modifications and electronic controlled systems. Learn on a variety of front and rear suspension systems.

Prerequisite: AT 133 with a D grade or higher; and concurrent enrollment in AT 124 and ENGL& 101.

AT 133 Automotive Electrical II (8)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Operation, diagnosis and repair of automotive electrical systems including advanced lighting, power controlled systems, sensors, actuators, modules, and vehicle networking. Use of scan tools, lab scopes, power probes and other electrical diagnostic equipment included. Navigation of wiring diagrams and troubleshooting techniques will be discussed.

Prerequisite: Concurrent enrollment in AT 101 and AT 121.

AT 141 Transmissions and Drivetrain Systems (12)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Operation, diagnosis, service and repair of automatic transmissions/transaxles, including principles of planetary power flow and operation of valve body, torque converter, and electronic controls. Operation, diagnosis, service and repair of manual transmissions/transaxles, clutches and differentials. Perform diagnosis, service and repair on a variety of vehicles.

Prerequisite: AT 133 with a D grade or higher; and concurrent enrollment in AT 201 and WMATH 100.

8 Course Descriptions

AT 181 Small Gas Engines (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Basic engine theory, maintenance, overhaul, and tune-up of small gas engines.

Prerequisite: None.

AT 199 Cooperative Education Experience (1-15)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Supervised work experience in the field. Includes a weekly seminar.

Prerequisite: Must complete 3 quarters of automotive core. Instructor permission required.

AT 201 Automotive Parts and Service Specialist (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Training in skills necessary to gain employment in the automotive parts and sales industry, and as a service writer in all types of repair facilities. Learn a variety of techniques and software applications. Emphasis on oral and written communication, organizational skills, vehicle knowledge, parts cataloging, customer service, and other necessary skills for employment.

Prerequisite: AT 101 or concurrent enrollment.

AT 205 Automotive Engines and Cooling Systems (8)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Operation, diagnosis, service and repair of automotive engines, including discussion of internal components, diagnosis of engine related problems, cooling system operation and diagnosis, and repair procedures. Engine rebuilding techniques and performance modifications will be discussed. Proper use and care of precision tools and equipment included.

Prerequisite: AT 133 with a D grade or higher;
and concurrent enrollment in AT 206 and AT 218.

AT 206 Automotive HVAC Systems (4)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Operation, diagnosis, service and repair of automotive HVAC systems, including air conditioning, heater systems, climate control and related electrical circuits. Includes factory repair, retrofitting, and safe handling of refrigerants and related chemicals. Section 609 Certification included.

Prerequisite: AT 133 with a D grade or higher;
and concurrent enrollment in AT 205 and AT 218.

AT 210 Engine Performance I (7)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Operation, diagnosis, service and repair of engine computer control systems with emphasis on ignition systems, engine mechanical condition, and engine sensors. Use of scan tools, lab scopes, and other specialty test equipment included.

Prerequisite: AT 205 with a D grade or higher;
and concurrent enrollment in AT 212 and CMST& 210.

AT 212 Engine Performance II (8)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Operation, diagnosis, service and repair of engine computer control systems with an emphasis on fuel delivery and emission control systems. Includes throttle body, port, and direct injection, EGR, 5-gas analysis, and other emission control devices. Computer controls, and operation of diagnostic equipment included.

Prerequisite: AT 205 with a D grade or higher;
and concurrent enrollment in AT 215 and CMST& 210.

AT 215 Alternative Power Technologies (7)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Operation, diagnosis service and repair of hybrid-electric and electric vehicles, including technician and responder safety. Operation, diagnosis, service and repair of light-duty diesel vehicles. Discussion of ethanol, propane, compressed natural gas (CNG), fuel cells and other alternative fuels included.

Prerequisite: AT 133 with a D grade or higher;
and concurrent enrollment in AT 212 and CMST& 210.

AT 217 Electric and Hybrid Vehicle Service (10)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to the basic safety of hybrid and electric vehicles (HEV/EV) for technicians and first responders. Diagnosis, repair, and testing of various HEV/EV systems. Topics include high voltage batteries, motor, inverters, and control systems along with computer network system testing and diagnoses.

Prerequisite: AT 101 and AT 133 with a grade of D or higher.

AT 218 Diesel Powered Vehicles (4)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to the basic operation and service procedures of diesel power source vehicles (non-gasoline engines) in use in the industry today. Topics include light-duty diesel systems, diesel fuel systems, diesel-turbocharging systems, diesel emissions, and alternative fuel sources.

Prerequisite: AT 101 and AT 133 with a grade of D or higher.

AT 220 Professional Lab Techniques (8)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Develop professionalism and productivity in a work place environment. Troubleshoot, analyze, and perform diagnosis and repair on a variety of automotive systems and vehicles. Emphasis will be placed on industry standards, communication, flat-rate production, and customer satisfaction.

Prerequisite: AT 141 with a D grade or higher;
and concurrent enrollment in AT 199 and MANF 121.

AT 225 Engine Machining I (8)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Engine machining operations and building procedures of gasoline and diesel engines. Includes a variety of procedures focusing primarily on cylinder heads including teardown and diagnosis, machining of parts, assembly and testing, and custom machining for performance applications. Emphasis will be placed on safe practices while using specialty equipment, and attention to detail in measuring, machining and assembly practices.

Prerequisite: AT 101 and AT 199 and WT 231 with a D grade or higher;
and AT 205 with a B- grade or higher; and concurrent enrollment in MANF 121.

8 Course Descriptions

AT 226 Cylinder Head Rebuilding (6)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Rebuilding and machining operations of gasoline and diesel cylinder heads. Learn and practice a variety of procedures including tear-down and diagnosis, machining of parts, assembly and testing. Emphasizes understanding the internal combustion engine and attention to detail in measuring, machining, assembly and safe practices. Designed for industry professionals and non-degree seeking students.

Prerequisite: Instructor permission required.

AT 299 Learning into Action (1-15)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

BASM 301 Foundations of Management (5)

BACHELOR OF APPLIED SCIENCE: MANAGEMENT

Introduction and orientation to the student-centered applied learning model of the BASM program and its applicability to management and leadership. Topics include personal and professional agency, business and contemporary landscapes, and the relationships between managerial effectiveness, bias, equity, and inclusion.

Prerequisite: Admission to BASM program and Department Chair permission.

BASM 322 Project Management (5)

BACHELOR OF APPLIED SCIENCE: MANAGEMENT

Examine the importance of project management as a key managerial competency and investigate the ways in which key project management concepts and tools integrate into an operational model. Analyze the connections between project management and other management functions and define the characteristics of effective project management and managers. Investigate the ways in which bias can impact effective project management and develop mitigating solutions.

Prerequisite: BASM department chair permission.

BASM 324 Marketing for Managers (5)

BACHELOR OF APPLIED SCIENCE: MANAGEMENT

Discover the ways in which key marketing concepts come together to form a marketing plan. Investigate the ways in which technology and social media are shaping customer and consumer marketing. Analyze ways in which organizations allocate resources to marketing activities and how the effectiveness of these activities is assessed. Examine how bias can influence marketing decision making and develop mitigating solutions.

Prerequisite: BASM department chair permission.

BASM 330 Operations Management (5)

BACHELOR OF APPLIED SCIENCE: MANAGEMENT

Explore and apply the concepts, principles, problems, and practices of operations management in different sizes and types of goods producing and service organizations. Topics include operations strategy, process design, capacity planning, facilities location and design, forecasting, scheduling, quality assurance, continual improvement and operational effectiveness, environmentally sustainable practices, and inventory management.

Prerequisite: BASM department chair permission.

BASM 332 Human Resources and the Manager (5)

BACHELOR OF APPLIED SCIENCE: MANAGEMENT

Explores the role that the human resource function and the manager play to achieve high levels of organizational performance. Evaluate the organizational impact related to the following areas of human resources: talent acquisition and talent management; total rewards (compensation and benefits); evaluating and managing employee performance; and health, safety, and security.

Prerequisite: BASM department chair permission.

BASM 334 Accounting for Managers (5)

BACHELOR OF APPLIED SCIENCE: MANAGEMENT

Provides the foundational accounting acumen that managers should possess. Analyze financial statements to assess an organization's operational condition and to project future strategy and budgets. Examine the key legal, regulatory, and ethical considerations that apply to financial and accounting areas and the possible correlations between bias and managerial fiduciary responsibility.

Prerequisite: BASM department chair permission.

BASM 410 Managerial Presence (5)

BACHELOR OF APPLIED SCIENCE: MANAGEMENT

Designed as an opportunity to apply learning on social capital theories and to develop and advance social capital in professional contexts. Analyze the features that define a professional presence in fields of interest. Examine the impact of implicit bias on professional presence and develop countering strategies. By the end of this course, students will have defined a workplace project/internship that they will implement in the next quarter.

Prerequisite: BASM department chair permission.

BASM 422 Principles of Finance (5)

BACHELOR OF APPLIED SCIENCE: MANAGEMENT

Introduction to the application of financial management principles in the student's field of interest. Includes the analysis of financial statements for capital decision making and managing working capital (planning and control, equipment purchase and depreciation, budgeting). Covers ways in which financial decisions can be impacted by bias and identifies ways to manage the related risk.

Prerequisite: BASM department chair permission.

8 Course Descriptions

BASM 495 Capstone II: Applied Management (5)

BACHELOR OF APPLIED SCIENCE: MANAGEMENT

Culmination of the BASM program. Students will be asked to synthesize their learning through the creation of a professionally presented evidence driven strategic plan in a field of their professional interest. Students will reflect on their exploration of culture bound assumptions and will be asked to develop a plan to transfer their program learning to a workplace and career context.

Prerequisite: BASM department chair permission.

BASM 499 BASM Capstone I: Workplace Project Experience (5)

BACHELOR OF APPLIED SCIENCE: MANAGEMENT

Provides students with supervised and assessed practical project-based work experiences that connect to a BASM program learning outcome. Using a project management-based approach, and under the guidance of a workplace project sponsor, students will tackle a workplace problem or opportunity that will have been defined in BASM 410.

Prerequisite: BASM department chair permission.

BIOL& 100 Survey of Biology (5)

NATURAL SCIENCES

This NON-MAJORS course begins with the study of scientific method, and continues with the study of chemistry of life, cells, metabolism, heredity, evolution, ecology, and the diversity of life. This course is intended to show students the relevancy of biology in everyday life. Lab included.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

BIOL 105 Introduction to Plant Science (5)

NATURAL SCIENCES

Study of how plants are structured, important plant processes, how plants reproduce, and the effect of the environment on plant growth. Topics may include: scientific method, centers of plant origin, plant cells and tissues, soils and mineral nutrition, genetics, propagation, and plant pests. Lab included. Field trips may be required.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

BIOL 111 Matter and Energy in Life Science (5)

NATURAL SCIENCES

An inquiry-based survey of chemistry and biology designed to promote a basic understanding of the influence of molecular structure and properties on living systems. Lab included. This course is part of a science sequence recommended for students pursuing a career in elementary education, but is open to all students. The suggested sequence is PHYS 111, BIOL 111, EASC 111.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

BIOL 127 Ecosystems of the Pacific Northwest (5)

NATURAL SCIENCES

Acquire an understanding of the development and dynamics of different ecosystems of the Pacific Northwest, through investigation of the abiotic and biotic factors that have led to emergence, persistence, and diversity of these ecosystems and the organisms that comprise them. An emphasis is placed on developing abilities to detect and recognize animals and plants that make up and use different ecosystems, and toward understanding the roles and positions fulfilled by these organisms. Possible field trips.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher. Either BIOL& 100 or ENVS& 101 recommended.

BIOL 133 Field Botany (5)

NATURAL SCIENCES

The identification, life histories, ethnobotany, ecological relationships, distributions of evolutionary trends of endemic ferns, conifers, and flowering plants. Field trips may be required. Labs included.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and MATH 096 with a "C" or higher (or placement into MATH 097/WMATH 100).

BIOL 150 Microbiology and Chemistry Laboratory Techniques for Brewing (1)

NATURAL SCIENCES

Essential laboratory skills for the brewing industry. Covers skills required for growth, maintenance and storage of yeast cultures. Beer production techniques including, but not limited to, testing for alcohol concentration, bitterness and color using American Society of Brewing Chemists (ASBC) official analytical techniques.

Prerequisite: Permission Required

BIOL& 160 General Biology w/Lab (5)

NATURAL SCIENCES

This course provides introduction to basic concepts of biology, with an emphasis on the cells as the fundamental unit of life. Topics include cell structure, basic chemical and biochemical concepts, metabolism, cell division, principles of genetics, biological diversity, and methods of scientific inquiry and critical thinking. Course establishes foundation necessary for continued biology study, especially in human anatomy and physiology. Lab included.

Prerequisite: ENGL& 101 and CHEM&121 passed with a grade of C or higher; and either placement into MATH& 146 OR co-enrollment with MATH& 146 OR completion of MATH& 146 with a grade of C or higher.

BIOL& 170 Human Anatomy (5)

NATURAL SCIENCES

Study of cell biology, anatomy and physiology, and microbiology, contextualized for dental therapy.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

BIOL 180 Native Plants Pacific Northwest (3)

NATURAL SCIENCES

The identification, life histories, ethnobotany, ecological relationships, and distributions of endemic ferns, conifers, and flowering plants.

Prerequisite: None.

8 Course Descriptions

BIOL 190 Life in the Sea (3)

NATURAL SCIENCES

Introduction to the organisms in the sea with special emphasis on intertidal life of our area. Non-major, general interest.

Field trip required.

Prerequisite: None.

BIOL 199 Cooperative Education (1-15)

NATURAL SCIENCES

Supervised work experience in the field. Includes a weekly seminar. Instructor permission required.

Prerequisite: None.

BIOL 205 Marine Biology (5)

NATURAL SCIENCES

Introduction to marine organisms and the environment in which they live. Special emphasis is given to the species found in the Pacific Northwest. Field trips may be required. Lab included.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

BIOL& 220 General Physiology (5)

NATURAL SCIENCES

Normal functions of animal systems. Emphasis on vertebrate systems and lab investigation. Lab included.

Prerequisite: BIOL& 100, BIOL& 160, or BIOL 211 with a grade of "C" or higher; and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher. BIOL& 221, BIOL& 222, and BIOL&223 recommended.

BIOL& 221 Majors Ecology/Evolution (5)

NATURAL SCIENCES

Mendelian genetics, evolution, biodiversity of life forms, and ecology. First course of three-quarter series. For students intending to major in the sciences. Lab included.

Prerequisite: Both ENGL& 101 and CHEM& 161 with a grade of "C" or higher (or concurrent enrollment); and either placement into MATH& 141 OR co-enrollment with MATH& 141 OR completion of MATH& 141 with a grade of "C" or higher.

BIOL& 222 Majors Cell/Molecular Biology (5)

NATURAL SCIENCES

For students intending to major in the sciences. Metabolism and energetics, structure and function of biomolecules, cell structure and function, current applications of biotechnology and molecular biology. Second course of three-quarter series. Lab included.

Prerequisite: ENGL& 101 with a grade of "C" or higher; and either placement into MATH& 141 OR co-enrollment with MATH& 141 OR completion of MATH& 141 with a grade of "C" or higher; and CHEM& 161 with a grade of "C" or higher (or concurrent enrollment).

BIOL& 223 Majors Organismal Physiology (5)

NATURAL SCIENCES

For students intending to major in the sciences. Animal development and physiology, plant development and physiology, including photosynthesis. Final course of three-quarter series. Lab included.

Prerequisite: ENGL& 101 with a grade of "C" or higher; and either placement into MATH& 141 OR co-enrollment with MATH& 141 OR completion of MATH& 141 with a grade of "C" or higher; and CHEM& 161 with a grade of "C" or higher (or concurrent enrollment).

BIOL 224 Ecology (5)

NATURAL SCIENCES

Fundamental ecological principles through basic theory and applications.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

BIOL& 241 Human Anatomy and Physiology I (5)

NATURAL SCIENCES

For pre-nursing and allied health majors. First of a two-quarter series studying the structure and function of the human body. First quarter includes histology, integumentary, skeletal, muscular, special senses and nervous systems. Lab Included.

Prerequisite: ENGL& 101 with a grade of "C" or higher; and either BIOL& 211, BIOL& 160, or BIOL&222; all courses with a grade of "C" or higher; and either co-enrollment in OR completion of MATH& 146 or MATH& 141 with a grade of "C" or higher.

BIOL& 242 Human Anatomy and Physiology II (5)

NATURAL SCIENCES

Continuation of BIOL& 241. In-depth study of the structure and function of the human body; endocrine, cardiovascular, lymphatic, respiratory, urinary, fluid, electrolyte, digestive, and reproductive systems. Lab included.

Prerequisite: Both ENGL& 101 and BIOL& 241 with a grade of "C" or higher; and either MATH& 146 or MATH& 141 with a grade of "C" or higher.

BIOL& 260 Microbiology (5)

NATURAL SCIENCES

Practical and elementary theoretical aspects of medical microbiology for students in allied health professions. Lab included.

Prerequisite: ENGL&101 with "C" or higher. AND One of the following with "C" or higher: 1) Comp of BIOL&160; or 2) Comp of BIOL&211; AND one of the following: 1) Placement into Math&146; or 2) Co-enrollment in Math&146, or 3) Comp of Math&146 with "C" or higher. ENGL&101 with "C" or higher. AND One of the following with "C" or higher: 1) Comp of BIOL&160; or 2) Comp of BIOL&211; AND one of the following: 1) Placement into Math&146; or 2) Co-enrollment in Math&146, or 3) Comp of Math&146 with "C" or higher.

BIOL 270 Natural Science of Western Washington (5)

NATURAL SCIENCES

The course provides applied, multidisciplinary scientific exploration of the natural history of the western Pacific Northwest region. Field-studies, supplemented with class work, will include hands-on skills-building investigations of: (1) ecological systems (and the organisms that comprise them); (2) abiotic systems (geology, climatology, hydrology, glaciology, oceanography), and (3) human interactions with the environment (pre- and post-European settlement). Weekly meetings or half-day field trips will culminate in a 2 to 4 day (or multi-day during Summer) camping trip to areas of scientific interest.

Prerequisite: Either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

8 Course Descriptions

BIOL 271 Natural Science of Eastern Washington (5)

NATURAL SCIENCES

The course provides applied, multidisciplinary scientific exploration of the natural history of the eastern Pacific Northwest region. Field-studies, supplemented with class work, will include hands-on skills-building investigations of: (1) ecological systems (and the organisms that comprise them); (2) abiotic systems (geology, climatology, hydrology, glaciology), and (3) human interactions with the environment (pre- and post-European settlement). Weekly meetings or half-day field trips will culminate in a 2 to 4 day (or multi-day during Summer) camping trip to areas of scientific interest.

Prerequisite: Either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

BIOL 295 Biology Integrative Experience Seminar (2)

NATURAL SCIENCES

Intended for science majors. An Integrative Experience emphasizing an interdisciplinary approach to current issues in biology, including the societal context of biology and technology, and/or the ethical, political, and cultural aspects of biology.

Prerequisite: BIOL& 160; or BIOL& 221; or CHEM& 161; or PHYS& 241; or CHEM& 241; or BIOL& 241 with a grade of C or higher; and either placement into MATH& 141 OR co-enrollment with MATH& 141 OR completion of MATH& 141 with a grade of C or higher.

BIOL 299 Learning into Action (1-15)

NATURAL SCIENCES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

BLDG 101 Introduction to Building Construction (11)

BUSINESS ADMINISTRATION

Practical hands-on experience in core construction skills. Includes basic building vocabulary and nomenclature in the safe operation of hand and power tools. Covers construction math applications and exposure to construction trade clusters. Instruction will include OSHA 10-Hour Construction Industry Certification and fork lift operation certification.

Prerequisite: None.

BRW 101 Culture of Craft Brewing (3)

FOOD AND BEVERAGE MANAGEMENT

Introduction to sensory perception (taste and smell) as it relates to beer identification and quality, and considerations for food and beverage pairings. Topics include the history of brewing, craft vs. factory industrial models, alcohol and health, overview of the brewing process, ingredients used and beer styles. Includes industry tours and presentations from industry professionals.

Prerequisite: None.

BRW 103 Beverage Biochemistry (4)

FOOD AND BEVERAGE MANAGEMENT

Covers general microbiology and chemistry as it pertains to the production of alcoholic beverages and the brewing of beer. Raw materials/ingredients used in the brewing process will be discussed along with the properties of water, pH, enzymes, proteins, carbohydrates, and other micro-organisms in the brewery regarding their role in brewing. Develop an understanding of the ingredient interactions of biological molecules, particularly as they pertain to fermentation (yeast biology, wild yeasts, yeast production), identification of wort/beer spoilage organisms using microscopy, staining and differential media.

Prerequisite: None.

BRW 105 Raw Materials (3)

FOOD AND BEVERAGE MANAGEMENT

Covers the basic ingredients used in brewing: malted barley (and other adjunct grains), hops, yeast and water. Provides an overview of the role various raw materials play in the production of beer and other food products and the importance of these ingredients in the flavor profiles imparted. Topics include hop varieties, barley types, breeding and selection, growing, harvesting, drying and malting of grains, yeast types, and water properties. Learn about the "grain to glass" philosophy and how local brewers are incorporating locally sourced raw materials into their craft beverage products.

Prerequisite: None.

BRW 107 Wort Production (3)

FOOD AND BEVERAGE MANAGEMENT

Provides training in the technology/science of wort creation and the brewing skills required to create the final product. Covers each critical factor in wort production from barley choices to mashing, sparging, wort boiling and cooling. Topics include barley, malt, hops, water analysis, brewing adjuncts, milling and mashing, sensory evaluation and how each aspect of the production process impacts the final product. Industry tours to observe the production process are included.

Prerequisite: None.

BRW 110 Brewery Operations (5)

FOOD AND BEVERAGE MANAGEMENT

Employees working in small, craft breweries need to be prepared to handle small equipment problems as they arise (pumps, valves, lights, motors, etc.) Covers essential topics of brewery operations, including brewery equipment and maintenance, tasks required in the brewing process, design/layout of brewery production areas, supply and product control, safety (production lines under pressure), cleaning and sanitation issues, disposal of liquid and solid brewery waste by-products, and storage and distribution systems. Discusses the processing and packaging of finished beer, including the most recent developments in alternative materials (such as plastic bottles) and super-high-speed bottling systems.

Prerequisite: BRW 101 with a D or higher.

8 Course Descriptions

BRW 120 Essentials of Quality Assurance/Quality Control (3)

FOOD AND BEVERAGE MANAGEMENT

Learn the tools and procedures used by breweries worldwide to evaluate beer at every important phase of production. Covers a full range of topics related to Quality Assurance/Quality Control (QA/QC) and tools required to create beers of the highest quality and consistency. Differentiate between the principles of QA and QC and the essential components of a quality production system within a brewery. Topics include sensory evaluation, analytical testing, microbiological testing, lab safety and standard practice, practical and usable analytical methods, sampling techniques, QC methods for fermentation and packaged products, and taste panel design and management. Learn how to use PH meters, CO2 volume meters, thermometers, and calibration techniques to maintain temperature consistency.

Prerequisite: BRW 103 with a D or higher.

BRW 125 Flavor Production and Control (2)

FOOD AND BEVERAGE MANAGEMENT

Introduction to samples of flavor and aromatic compounds associated with the raw materials and the brewing process. Analyze the origins of those compounds, and provides foundational knowledge required to effectively control them. Topics include fermentation characteristics, malting effects, carbonation, flavor production, and beer freshness qualities. Includes training the palate to make informed decisions during the production process for beer. Learn about beer's quality attributes such as foam, stability, color, aroma, attenuation, and ability to interpret the reasons why a product deviates from expected performance.

Prerequisite: BRW 101 with a D or higher.

BRW 128 Industry Experience (1)

FOOD AND BEVERAGE MANAGEMENT

Complete two observation-based industry experiences. Areas of focus include: Brewery Operations, Packaging and Process Technology, Equipment Maintenance, Quality Assurance/Quality Control, and Flavor Production.

Prerequisite: BRW 101 with a D or higher.

BRW 130 Business of Craft Brew (4)

FOOD AND BEVERAGE MANAGEMENT

Overview of small business start-ups and basic business practices as applied in the brewing industry as well as an introduction to brewery compliance. Topics include the economics of running a brewery, overhead control and pricing, cash management, the selling and distribution process, inventory control, marketing the business, insurance considerations, and hiring/managing employees, licensing and permits, label approval process, taxes, record keeping and reporting requirements for the Washington State Liquor and Cannabis Board (WSLCB), the Alcohol and Tobacco Tax and Trade Bureau (TTB), and the Washington State Department of Revenue (DOR).

Prerequisite: BRW 110 with a D or higher.

BRW 135 Tradition and Innovation in Beer Styles (2)

FOOD AND BEVERAGE MANAGEMENT

Overview of the techniques and technologies used to design and brew the full range of established and emerging beer styles. Topics include styles and sub-categories of beer with an emphasis on methodology used to brew beer that matches the style parameters, while retaining the brewer's own artistic interpretation. Learn about the technical side of the development of recipe formulation and creating a style.

Prerequisite: BRW 125 with a D or higher.

BRW 160 Brewery Lab I (1)

FOOD AND BEVERAGE MANAGEMENT

Apply brewing theory in the brewery lab. Introduces brewing equipment, proper cleaning and sanitizing techniques, cellar work, and the brewing process.

Prerequisite: None.

BRW 161 Brewery Lab II (2)

FOOD AND BEVERAGE MANAGEMENT

Apply brewing theory in the brewery lab. Introduces brewing equipment, proper cleaning and sanitizing techniques, cellar work, and the brewing process.

Prerequisite: BRW 160 with a "C" or higher.

BRW 198 Brewery Capstone Project (1)

FOOD AND BEVERAGE MANAGEMENT

Includes a final brewing project in the lab. Students work in small groups to formulate and brew an original recipe, and then market and sell their product to another brewery/restaurant or at Cardinal Craft Brewing.

Prerequisite: BRW 161 with a "C" or higher.

BRW 199 Brewery Internship (5)

FOOD AND BEVERAGE MANAGEMENT

Supervised work experience in the field. Apply skills and knowledge learned in a craft brewery business operation. Students Course includes a weekly classroom seminar.

Prerequisite: Instructor permission required.

BUS& 101 Introduction to Business (5)

BUSINESS

An overview of the American business environment including forms of business ownership, management techniques, decision making, marketing and production, human resources, accounting and financial management and the effects of globalization on American business.

Prerequisite: Grade of 2.0 or higher in ENGL 097, or AESL 098, or appropriate test score.

8 Course Descriptions

BUS 111 Business Math (5)

BUSINESS

Applied mathematics in daily business experiences. Basic mathematics (whole numbers, decimals, fractions, percents, ratios, equations and formulas) applied to business cases. Additional mathematical applications as they relate to banking, (including introductory international/cultural issues) payroll, purchasing, selling, interest, inflation, annuities, stocks, bonds, loans, taxes, insurance, depreciation, financial statements, ratios, metric system, business statistics, financial calculators. Practical mathematical problem solving techniques explored through presentations, discussion, and lab work. This course is non-transferable and for professional/technical students only.

Prerequisite: Math 095 with a grade of C or higher, or equivalent. Math placement score or instructor permission.

BUS 112 Personal Finance (5)

BUSINESS

Analysis of savings, investments and consumer spending patterns. Personal budgeting, net worth, goal setting, consumer credit, financial institutions, insurance, real estate, stocks, mutual funds, precious metals, taxes, social security, retirement plans and estate planning.

Prerequisite: None.

BUS 120 Business Computers and Applications (5)

BUSINESS

Strategic use of common software applications to support business activity. Use software to create professional documents in Microsoft Word, build effective business presentations in Microsoft PowerPoint, introduction to problem-solving spreadsheet models in Microsoft Excel and introduction to databases with Microsoft Access. Current industry computer topics will be covered; basic web page design, advance spreadsheet modeling, social media, Networking, Management Information Systems and other current topics.

Strongly Recommended: Basic keyboarding and computer skills recommended.

BUS 122 Social Media and Digital Marketing (5)

BUSINESS

The use of social networks, online communities, or other online collaborative media for advertising, marketing, sales, public relations or customer service. Popular online digital technologies will be used to design an effective social media marketing campaign.

Prerequisite: None.

BUS 171 Latino Leadership I (2)

BUSINESS

Communication, teamwork and leadership skill development as a foundation for an applied project addressing issues of significance to the LatinX community to be planned and implemented in Latino Leadership II and Latino Leadership III.

Prerequisite: None.

BUS 172 Latino Leadership II (2)

BUSINESS

Apply communication, teamwork and leadership skills to plan a service project to address issues of significance to the LatinX community with an emphasis on mentoring and college access. This is the second of a three-class sequence.

Prerequisite: BUS 171 with a "D" or better.

BUS 173 Latino Leadership III (2)

BUSINESS

Apply communication, teamwork and leadership skills to address issues of significance to the LatinX community with an emphasis on mentoring and college access. This is the third of a three-class sequence.

Prerequisite: BUS 172 with a "D" or better.

BUS 180 Leadership Development and Management Skills (5)

BUSINESS

Identify individual strengths and weakness to build strong business leaders and managers. Leading and managing through times of change, innovation and other challenges. Focuses on communication, relationships, teamwork, collaboration, accountability, motivation, influence, problem solving, goal setting and decision making.

Prerequisite: None.

BUS 199 Internship / Cooperative Education (1-15)

BUSINESS

Supervised work experience in the field providing practical experience in the operations and methods of business. The internship will augment the classroom learning by applying skills and knowledge learned in a real business setting. Students will be supervised by business professionals who are experienced practitioners in the field, and will practice the work skills required to be successful in their chosen field. In partnership with the instructor and the supervisor, students will develop learning objectives to achieve during the internship/work experience.

Prerequisite: Instructor permission required.

BUS 200 Introduction to Law (5)

BUSINESS

Introduction to the origins, development, structure, institutions and processes of the US legal system. Topics include law as a system of social thought and behavior; law as a framework for the resolution of conflicting claims; legal reasoning; law as a process for protecting and facilitating voluntary interactions and fundamental rights in a business society; legal terminology, civil and criminal procedures, legal rights and remedies, torts, contracts, criminal law, and property. Required for all business students transferring to the UW School of Business; recommended for any student interested in a career in law, law enforcement or related.

Prerequisite: ENGL& 101 with a "C" or higher.

8 Course Descriptions

BUS& 201 Business Law (5)

BUSINESS

Introductory study of law, analyzing its origins, development and its role in society. The course surveys legal rights and remedies, courts and court procedures, torts, contracts and criminal law. Critical thinking skills are developed by analyzing and writing summaries of court rulings/opinions. Attending one court proceeding is required. Course required for business majors transferring to four-year schools.

Prerequisite: ENGL& 101 with a "C" or higher.

BUS 205 Human Resources Management (5)

BUSINESS

A comprehensive introduction to the management of human resources in profit and non-profit organizations, including job analysis, workforce planning, employee recruitment, selection, training and development, compensation, benefits, discipline/termination and performance appraisal, as well as human resources law, human resources information systems, employee health and safety, and labor relations.

Prerequisite: None.

BUS 212 Investment and Financial Planning II (3)

BUSINESS

Continuation of BUS 112 for those who have had some investment experience. Stocks, bonds, warrants, options, commodities, investment trusts, real estate, retirement plans, tax shelters and estate planning.

Prerequisite: BUS 112 with a "D" or better.

BUS 220 Excel for Business (5)

BUSINESS

Develop intermediate spreadsheet skills for operational and financial analysis and business decision making. Use Microsoft Excel to generate, analyze, manage, and present data within a variety of business contexts.

Prerequisite: BUS 120 with a grade of C or higher or instructor permission.

BUS 240 Fundamentals of Marketing (5)

BUSINESS

Introduction to the marketing of goods and services in a free enterprise system and the role of marketing in society. Topics include the marketing environment, marketing functions in manufacturing, retailing and service industries, market analysis including buyer behavior and market segmentation, marketing mix policies, advertising, pricing and public and legal policies that impact marketing. This course provides a valuable background both for students intending to transfer to 4 year business programs and for business owners wishing to improve their knowledge of marketing practices.

Prerequisite: None.

BUS 241 Introduction to International Business (5)

BUSINESS

An overview of how businesses operate in the global environment including topics on marketing, management, production, human resource management and finance.

Prerequisite: ENGL& 101 with a "C" or higher.

BUS 242 Professional Selling and Sales Management (5)

BUSINESS

Introduction to sales process, buying process, relationship selling, prospecting, sales call planning, communication, negotiating, and closing sales as well as how to motivate, compensate, and train sales people. Includes topics in Customer Relationship Management.

Prerequisite: None.

BUS 280 Entrepreneurship and Small Business Management (5)

BUSINESS

Introduction to developing and starting a business. Develop a business plan which includes marketing, financial, and planning sections of the plan. Use a computer to accomplish the functions involved in a small business including the planning, organizing, and control of a small business.

Prerequisite: None.

BUS 290 Leadership Skagit (1-17)

BUSINESS

Study the issues challenging our region. Explore different locations, industries and resources in Skagit County. Focus on critical topics such as history and sense of place, law and justice, economy and economic development, community services and health, and arts and culture. Meet with local leaders, identify existing resources and learn how to apply leadership skills to current issues in each of these areas. Directly apply leadership skills to choose, plan, and complete a service project in partnership with a local nonprofit agency. Identify individual strengths and weaknesses as a community leader. Learn to lead through times of change, innovation and other challenges. Focus on ethics and stewardship, interpersonal communications, teamwork, group process, equity, diversity, inclusion, conflict resolution, managing change, and public speaking.

Prerequisite: Instructor permission required.

BUS 292 Leadership San Juan Islands (6)

BUSINESS

Learn from local leaders about the issues challenging San Juan County. Explore different locations, industries and resources in the county. Focus on critical topics impacting local government, natural resources and land use planning, economic development, health, education, social services, arts, culture and history. Learn how to apply leadership skills to current issues. Directly apply leadership skills to choose, plan, and complete a service project. Identify individual personality strengths and weaknesses, and learn strategies for working effectively with different people. Topics will include self awareness, ethics and stewardship, interpersonal communications, teamwork, group process, facilitation, equity, diversity, inclusion, conflict resolution, managing change, and public speaking.

Prerequisite: Instructor permission required.

8 Course Descriptions

BUS 293 Leadership Whidbey (10)

BUSINESS

Learn from local leaders about the history and legacies of Whidbey Island and the critical topics and initiatives in local government, ecology, economy, arts, culture, and education. Apply systems thinking, justice, inclusion, and equity to understanding these topics. Gain awareness of leadership frameworks while developing a personal leadership practice. Develop as a leader through self-awareness, values clarification, building on strengths, speaking in public, practicing conflict resolution, and behaviors that build strong teams and engage diverse communities. Directly apply leadership skills to choose, plan, and complete a service project.

Prerequisite: None.

BUS 295 Business Integrated Experience Seminar (2)

BUSINESS

In this integrative experience, students will analyze assigned business cases and current business news stories from multiple perspectives in order to arrive at a fuller understanding of the situations described.

Prerequisite: ECON& 201 or ECON& 202 with a "D" or higher.

BUS 299 Learning into Action (1-15)

BUSINESS

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

BUS 340 Project Management (5)

BUSINESS

Explore both traditional project management with modern approaches adopted by lean and agile methods. Including determining the timeline, tasks, roles of the developer and other stakeholders, resources needed, cost calculations, risk analysis and mitigation, progress monitoring and quality assurance required to plan a project.

Prerequisite: ENGL& 101 with a C or higher; and CMST& 210 or CMST& 220 or CMST& 230 with a C or higher.

BUS 430 Evidence Driven Decision Making (5)

BUSINESS

Examine the uses of different types of data and evidence and explore collection methods. Investigate frameworks for tackling workplace problems using reliable, valid, and credible data and evidence. Focus on ways in which bias can enter into data collection and analysis, and related decision making, and on mitigating solutions.

Prerequisite: BASM department chair permission.

BUS 450 The Manager and the Law (5)

BUSINESS

Examine the ways in which the American legal system governs the contemporary workplace developing the legal awareness that astute leaders should have in areas such as privacy, competition law, tort, and intellectual property. Analyze the effect of bias in managerial decision making and in managing legal risks. Evaluate how managers can navigate the inherent tension between organizational objectives, legal obligations, ethical behavior, and social responsibility.

Prerequisite: BASM Department Chair permission.

BUS 455 Healthcare Manager and the Law (5)

BUSINESS

Analyze the origins and development of law and its role in society as it relates to the healthcare environment. Survey legal rights and remedies, courts and court procedures with contracts, and criminal law. Topics include contracts with equipment vendors, HIPAA and Stark laws, and insurance, working effectively with counsel and creating accurate documentation of situations. Focuses on the use of case studies for contextualization and application.

Prerequisite: BASM department chair permission.

C2C 201 Compass to Campus: Youth Mentoring I (3)

EARLY CHILDHOOD EDUCATION

Introduction to service-learning mentoring through a campus wide mentoring initiative designed to encourage under-represented, low-income, first generation, and diverse 5th through 12th grade students to graduate from high school and consider post-secondary education.

Prerequisite: None.

CCB 010 CCB Orientation (1-3)

BASIC EDUCATION FOR ADULTS

A learner-focused course designed to orient students to the College and Career Bridge/High School Completion program and other resources and services; to appraise students' current abilities, characteristics, backgrounds, and interests; and to help students set long-term and short-term goals and create a plan of action to meet those goals.

Prerequisite: None.

CCB 011 I-BEST Orientation (1-5)

BASIC EDUCATION FOR ADULTS

A learner-focused course designed to orient students to the I-BEST and Professional/Technical certificate and degree programs; resources and services; to appraise students' current abilities, characteristics, backgrounds, and interests; and to help students set long-term and short-term goals and create a plan of action to meet those goals.

Prerequisite: None.

CCB 020 CCB Special Topics (1-10)

BASIC EDUCATION FOR ADULTS

Special topics related to high school equivalency preparation and/or college and career transition. May include contextualized content along with improvement in or application of reading, writing, or math skills.

Prerequisite: None.

8 Course Descriptions

CCB 022 CCB General Instruction (1-10)

BASIC EDUCATION FOR ADULTS

Improve basic skills in reading, writing, and/or math toward completion of high school equivalency and/or preparation for entry into college coursework. Course work may be contextualized in social science, science, or humanities topics.

Prerequisite: None.

CCB 024 Computer Basics (1-5)

BASIC EDUCATION FOR ADULTS

Introduction to basic computer skills for CCB or High School Completion students who are novice computer users. Through a hands-on approach, students will understand common computer terms, develop navigation skills with the keyboard and mouse, manage electronic files, send and receive e-mail, locate information on the internet, and explore e-learning tools. Basic reading and writing will be taught in the context of using a personal computer.

Prerequisite: None.

CCB 025 Digital Literacy (1-5)

BASIC EDUCATION FOR ADULTS

This course covers skills and knowledge needed to effectively use technology for college and career success.

Prerequisite: CCB/ELA 24 with a C or higher (or instructor permission) and be able to communicate through the MySVC email account and use basic features in text editors.

CCB 031 CCB Literacy and Math I (1-16)

BASIC EDUCATION FOR ADULTS

First in a series of three courses in which students improve critical thinking, reading, writing, oral communication, and math skills to prepare for entry into high school completion and/or transition to college or employment.

Prerequisite: None.

CCB 032 CCB Literacy and Math II (1-16)

BASIC EDUCATION FOR ADULTS

Second in a series of three courses in which students improve critical thinking, reading, writing, oral communication, and math skills to prepare for entry into high school completion and/or transition to college or employment.

Prerequisite: None.

CCB 033 CCB Literacy and Math III (1-16)

BASIC EDUCATION FOR ADULTS

Third course in a series to improve academic confidence through mastering critical thinking, writing, and reading skills in order to prepare for completion of HS21+ or GED® and/or transition to college coursework. May be contextualized within social science, humanities, or science content areas or topics.

Prerequisite: None.

CCB 041 CCB Basic Math (5)

BASIC EDUCATION FOR ADULTS

A beginning mathematics course designed to establish a solid mathematical foundation. Topics include operations using whole numbers, decimals, and fractions; determining place-value, and order of operations; calculations using ratios and proportions.

Prerequisite: CASAS math score 204-220 or placement based on HS transcripts.

CCB 042 CCB Pre-Algebra (5)

BASIC EDUCATION FOR ADULTS

A course designed to prepare students for entry into Math 97 or WMath 100. Emphasis on strengthening basic arithmetic skills, analyzing data, computing with integers, and using basic algebra equations to solve applied proportion, percent, and geometry problems.

Prerequisite: CCB 041 OR CCBS 041 or CASAS Math Goals score of 221-235 or placement based on HS transcripts.

CCB 043 CCB Beginning Algebra (5)

BASIC EDUCATION FOR ADULTS

A beginning course in algebra, building on topics introduced in CCB 042. Topics include algebraic expressions, solving linear equations and inequalities, graphing linear equations, solving systems of linear equations and inequalities, mathematical modeling, and functions.

Prerequisite: CCB 042 or CASAS Math 235+ or placement based on HS transcripts.

CCB 046 Financial Literacy (2)

BASIC EDUCATION FOR ADULTS

This course covers topics in financial literacy and personal finances.

Prerequisite: Students must be co-enrolled in at least one other CCB/HSC/ELA course to enroll.

CCB 050 College Prep Seminar (2)

BASIC EDUCATION FOR ADULTS

Course will focus on providing students transitioning into college and career programs with an orientation to college resources and labor market information to assist them in making an informed decision in choosing a career pathway.

Prerequisite: Concurrent Enrollment in CCB 054 OR advisor permission.

CCB 051 Academic Skills Lab (2)

BASIC EDUCATION FOR ADULTS

Students receive support and tutoring in academic skills including writing, math, and reading for coursework assigned in CCB, ELA, On Ramp, HS21+, or I-BEST classes.

Prerequisite: None.

CCB 060 GED® Prep Social Studies and Language Arts (1-7)

BASIC EDUCATION FOR ADULTS

Students work toward knowledge and competencies required to pass GED® exams in social studies and language arts.

Prerequisite: CASAS GOALS Reading Score 243+; (or Accuplacer Reading Next Gen 237+). Prerequisite/Corequisite: Concurrent enrollment in either HSC 018 or ELA 018, or HSC 018 or ELA 018 with a "D" or higher.

CCB 062 GED® Prep Math and Science (1-7)

BASIC EDUCATION FOR ADULTS

Students work toward knowledge and competencies required to pass GED® exams in math and science.

Prerequisite: CCB 041 or HSC 44 or HSC 85 with a C or higher (or CASAS Math score 221+ or Accuplacer Arithmetic 237+) Prerequisite/Corequisite: HSC 018 or ELA 018 with a C or higher (or concurrent enrollment).

CCB 063 GED® Prep (7)

BASIC EDUCATION FOR ADULTS

Students work toward knowledge and competencies required to pass GED® exams in one or more subject areas.

Prerequisite: None.

8 Course Descriptions

CCB 064 CCB Grammar I (1-3)

BASIC EDUCATION FOR ADULTS

This course provides an introduction to topics in English grammar.

Prerequisite: Placement into ELA 014 or above.

CCB 065 CCB Grammar II (1-3)

BASIC EDUCATION FOR ADULTS

This course covers topics in English grammar.

Prerequisite: Placement in ELA 014 or above.

CCB 066 CCB Grammar III (1-3)

BASIC EDUCATION FOR ADULTS

This course covers topics in English grammar and punctuation.

Prerequisite: Placement in ELA 014 or above.

CCB 085 Integrated Math I (5)

BASIC EDUCATION FOR ADULTS

Students will review and apply basic math skills while exploring topics in geometry.

Prerequisite: CASAS math score 204-220 or placement based on HS transcripts.

CCB 086 Integrated Math II (5)

BASIC EDUCATION FOR ADULTS

A course designed to strengthen math skills, including analyzing data, computing with integers, and using basic algebra equations to solve applied proportion, percent, and geometry problems.

Prerequisite: CCB 85 OR CCBS 85 or CASAS Math Goals score of 221-235 or placement based on HS transcripts.

CCB 087 Elementary STEM Algebra (5)

BASIC EDUCATION FOR ADULTS

This is a beginning course in algebra. Topics include: algebraic expressions; linear equations and inequalities; systems of linear equations and inequalities; and an introduction to polynomials and factoring.

Prerequisite: CCB 86 with a C or higher (or placement into CCB 87/MATH 097/WMATH 100).

CCB 089 Intermediate STEM Algebra (5)

BASIC EDUCATION FOR ADULTS

This course builds on topics from Math 97. Topics include: an introduction to polynomials and factoring; quadratic, rational, radical, exponential, and logarithmic functions and equations; complex numbers; composite and inverse functions; distance formula and circles.

Prerequisite: CCB 87 or ODHS 87 or MATH 97 with a grade of C or higher, or appropriate math placement score.

CCB 095 Transitional Reading and Writing (1-10)

BASIC EDUCATION FOR ADULTS

Examine habits, attitudes, and thought processes that lead to academic and professional success. Improve academic confidence through building critical thinking, writing, and reading skills, as well as digital literacy.

Prerequisite: CASAS Reading GOALS score of 217-227 or instructor permission.

CCB 096 English Foundations (5)

BASIC EDUCATION FOR ADULTS

This course covers grammar, writing, and communication skills in fulfillment of the English 1 and 2 requirements for the high school diploma, as well as prerequisite requirements for ENGL 97.

Prerequisite: CASAS Reading score 228-242 AND completion of / co-enrollment in HSC 18 with a C or higher OR CSS 103 OR BUS 101. Students enrolling in this course should possess typing and computer skills.

CCB 097 College Prep English (5)

BASIC EDUCATION FOR ADULTS

Improve academic skills and confidence through mastering critical thinking, writing, and reading skills. Identify and implement habits, attitudes, and thought processes that lead to academic and professional success.

Prerequisite: CASAS Reading GOALS Score 243-253 or CCB 96 with a C or higher. Prerequisite/Corequisite: HSC 18 with a C or higher OR co-enrolled in CSS 103 or BUS 101. Students enrolling in this course should possess typing and computer skills.

CCB 099 Academic Skills (1-10)

BASIC EDUCATION FOR ADULTS

Develop fundamental reading, writing, and/or math skills needed for success in discipline-based I-BEST course through contextualized instruction.

Prerequisite: Co-enrollment in appropriate content course.

CCBS 024 Computer Basics (5)

BASIC EDUCATION FOR ADULTS

Introduction to basic computer skills taught in Spanish for CCB or HSC students who are novice computer users. Through a hands-on approach, understand common computer terms, develop navigation skills with the keyboard and mouse, manage electronic files, send and receive email, locate information on the worldwide web, and explore e-learning tools. Basic reading and writing will be taught in the context of using a personal computer.

Prerequisite: None.

CCBS 025 Digital Literacy (1-5)

BASIC EDUCATION FOR ADULTS

This course covers skills and knowledge needed to effectively use technology for college and career success.

Prerequisite: CCBS with a C or better or instructor permission or be able to communicate through the MySVC email account and use basic features in text editors.

CCBS 041 CCB Basic Math (5)

BASIC EDUCATION FOR ADULTS

A beginning mathematics course designed to establish a solid mathematical foundation. Topics include operations using whole numbers, decimals, and fractions; determining place-value, and order of operations; calculations using ratios and proportions. Instruction offered in Spanish

Prerequisite: CASAS math score 204-220 or placement based on HS transcripts.

CCBS 044 Integrated Math I (5)

BASIC EDUCATION FOR ADULTS

Students will review and apply basic math skills while exploring topics in geometry. Instruction offered in Spanish.

CCBS 070 GED® Prep Social Studies and Language Arts (7)

BASIC EDUCATION FOR ADULTS

Students work towards knowledge and competencies required to pass GED® exams in Social Studies and Language Arts. Instruction offered in Spanish.

Prerequisite: Basic computer and typing skills OR CCB 024 or CCBS 024 with a C or better.

8 Course Descriptions

CCBS 072 GED® Prep Math and Science (7)

BASIC EDUCATION FOR ADULTS

Students work toward knowledge and competencies required to pass GED® exams in Math and Science. Instruction offered in Spanish.

Prerequisite: CCB 041 with a C or higher OR CCBS 044 with a C or higher, OR CASAS Math score 221+ OR Accuplacer Arithmetic 237+.

CHEM& 100 Preparatory Chemistry (5)

NATURAL SCIENCES

Chemistry introduction for those who need background before CHEM& 121. Introduces chemical symbols and nomenclature, equations, states of matter, bonding, energy, and dimensional analysis.

Prerequisite: Either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

CHEM& 105 Chemical Concepts (5)

NATURAL SCIENCES

A survey course for non-science majors. Fundamental concepts of chemistry will include atoms and molecules, states of matter, chemical reactions, and topics of current interest.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

CHEM& 110 Chemical Concepts with Lab (5)

NATURAL SCIENCES

An inquiry-based survey of the basic concepts in chemistry for non-science majors. Topics covered include scientific method, structure of matter, states of matter, chemical bonding, chemical reactions, nuclear chemistry, topics of current interest, and philosophy of science. LAB INCLUDED, lab fee required. DOES NOT SATISFY CHEMISTRY REQUIREMENTS FOR BIOL& 160.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

CHEM& 121 Introduction to Chemistry (5)

NATURAL SCIENCES

Introductory course for non-science majors, nursing, and environmental science students. Includes the nature of atoms and molecules, chemical notation, scientific reasoning, and problem solving in the study of the theory and applications of inorganic chemistry. Not recommended for students continuing chemistry beyond CHEM& 131. Lab included.

Prerequisite: ENGL 099 with a grade of C or higher OR placement into college-level English; and placement into college-level Math or higher.

CHEM& 122 Introduction to Organic Chemistry (5)

NATURAL SCIENCES

Structure and properties of organic compounds: hydrocarbons, alcohols, ethers, aldehydes, ketones, carboxylic acids, esters, amines, amides, and carbohydrates.

Prerequisite: CHEM& 121 with a grade of "C" or higher; and placement into college-level Math.

CHEM& 123 Introduction to Biochemistry (5)

NATURAL SCIENCES

Lipids, proteins, enzymes, bioenergetics, carbohydrate, lipid, and protein metabolism; biosynthetic pathways; nucleic acids and protein synthesis; chemical communication; body fluids; nutrition; and digestion.

Prerequisite: CHEM& 121 with a grade of "C" or higher; and placement into college-level Math.

CHEM& 131 Introduction to Organic/Biochemistry (5)

NATURAL SCIENCES

One-quarter course of organic chemistry and biochemistry for non-science majors, nursing, and environmental science students. Includes study of structure, nomenclature, and reactions of organic and biological compounds. Applications to living systems. Not recommended for students continuing chemistry beyond CHEM& 131. Lab included.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher; and either CHEM& 121 or CHEM& 161 with a grade of "C" or higher.

CHEM& 141 General Chemistry I (4)

NATURAL SCIENCES

For programs requiring strong backgrounds in chemistry. Scientific method, Atomic theory, quantum theory, periodic relationships, chemical bonding, molecular geometry, stoichiometry, and reactions in aqueous solution.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and MATH& 141 with a grade of "C" or higher (or concurrent enrollment); and CHEM& 151 with a grade of "C" or higher (or concurrent enrollment).

CHEM& 142 General Chemistry II (4)

NATURAL SCIENCES

A continuation of CHEM& 141. Properties of solutions, thermodynamics, gases, liquids and solids, entropy and energy, chemical equilibrium.

Prerequisite: ENGL& 101 with a grade of "C" or higher (or concurrent enrollment); and MATH& 141 with a grade of "C" or higher (or placement into MATH& 142); and CHEM& 141 with a grade of "C" or higher; and CHEM& 152 with a grade of "C" or higher (or concurrent enrollment).

CHEM& 143 General Chemistry III (4)

NATURAL SCIENCES

A continuation of CHEM& 142. Acids and bases, acid-base and solubility equilibria, electrochemistry, kinetics.

Prerequisite: ENGL& 101; and MATH& 141; and CHEM& 142; all courses with a grade of "C" or higher; and CHEM& 153 with a grade of "C" or higher (or concurrent enrollment).

CHEM& 151 General Chemistry Lab I (1)

NATURAL SCIENCES

Lab activities to accompany CHEM& 141. Scientific method, Atomic theory, quantum theory, periodic relationships, chemical bonding, molecular geometry, stoichiometry, and reactions in aqueous solution. Lab Fee.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and MATH& 141 with a grade of "C" or higher (or concurrent enrollment); and CHEM& 141 with a grade of "C" or higher (or concurrent enrollment).

8 Course Descriptions

CHEM& 152 General Chemistry Lab II (1)

NATURAL SCIENCES

Labs to accompany CHEM& 142. Gases, thermochemistry, intermolecular forces, liquids and solids, properties of solutions, kinetics, and equilibrium.

Prerequisite: ENGL& 101 with a grade of "C" or higher (or concurrent enrollment); and MATH& 141 with a grade of "C" or higher; and CHEM& 151 with a grade of "C" or higher. *AND* Co-requisite: CHEM& 142 with a grade of "C" or higher (or concurrent enrollment).

CHEM& 153 General Chemistry Lab III (1)

NATURAL SCIENCES

A continuation of CHEM& 152. Acids and bases, acid-base and solubility equilibria, entropy and free energy, electrochemistry.

Prerequisite: ENGL& 101; and MATH& 141; and CHEM& 152; all courses with a grade of "C" or higher; and CHEM& 143 with a grade of "C" or higher (or concurrent enrollment).

CHEM& 161 General Chemistry w/Lab I (5)

NATURAL SCIENCES

Course Abstract: For programs requiring strong backgrounds in chemistry. Scientific method, Atomic theory, quantum theory, periodic relationships, chemical bonding, molecular geometry, stoichiometry, and reactions in aqueous solution.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and MATH& 141 with a grade of "C" or higher (or concurrent enrollment).

CHEM& 162 General Chemistry w/Lab II (5)

NATURAL SCIENCES

A continuation of CHEM& 161. Properties of solutions, thermodynamics, gases, liquids and solids, entropy and energy, chemical equilibrium.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and MATH& 141 with a grade of "C" or higher (or placement into MATH& 142); and CHEM& 161 with a grade of "C" or higher.

CHEM& 163 General Chemistry w/Lab III (5)

NATURAL SCIENCES

A continuation of CHEM& 162. Acids and bases, acid-base and solubility equilibria, , electrochemistry, kinetics.

Prerequisite: Both ENGL& 101 and CHEM& 162 with a grade of "C" or higher.

CHEM 199 Cooperative Education (1-15)

NATURAL SCIENCES

Supervised work experience in the field. Includes a weekly seminar. Instructor permission required.

Prerequisite: None.

CHEM& 241 Organic Chemistry I (4)

NATURAL SCIENCES

For students majoring in chemistry or biology, or pursuing graduate degrees in medicine or pharmacy. Acid base chemistry, alkanes, stereochemistry, mechanisms, substitution reactions, alkene preparation and reactions, alkyne preparation and reactions.

Prerequisite: CHEM& 163 with a grade of "C" or higher (or concurrent enrollment).

CHEM& 242 Organic Chemistry II (4)

NATURAL SCIENCES

A continuation of CHEM& 241. For students majoring in chemistry or biology, or pursuing graduate degrees in medicine or pharmacy. Radical reactions, infrared and nuclear magnetic resonance spectroscopy, mass spectrometry, preparation and reactions of alcohols, ethers, and epoxides, conjugated systems and pericyclic reactions, aromaticity and aromatic substitution reactions.

Prerequisite: Both CHEM& 163 and CHEM& 241 with a grade of "C" or higher.

CHEM& 243 Organic Chemistry III (3)

NATURAL SCIENCES

A continuation of CHEM& 242. For students majoring in chemistry or biology, or pursuing graduate degrees in medicine or pharmacy. Preparation and reactions of aldehydes, ketones, carboxylic acids and their derivatives, and amines, alpha carbon chemistry, and synthetic polymers.

Prerequisite: CHEM& 242 with a grade of "C" or higher.

CHEM& 251 Organic Chemistry Lab I (2)

NATURAL SCIENCES

Techniques of organic chemistry, including reactions, separations, syntheses, and spectroscopy.

Prerequisite: CHEM& 242 with a grade of "C" or higher (or concurrent enrollment).

CHEM& 252 Organic Chemistry Lab II (2)

NATURAL SCIENCES

A continuation of CHEM& 251.

Prerequisite: Both CHEM& 242 and CHEM& 251 with a grade of "C" or higher.

CHEM 295 Chemistry Integrative Experience Seminar (2)

NATURAL SCIENCES

An Integrative Experience emphasizing an interdisciplinary approach to current issues in chemistry, including the societal context of chemistry and technology, and/or the ethical, political, and cultural aspects of chemistry.

Prerequisite: BIOL& 160; or BIOL& 221; or CHEM& 161; or PHYS& 241; or CHEM& 241; or BIOL& 241 with a grade of C or higher; and either placement into MATH& 141 OR co-enrollment with MATH& 141 OR completion of MATH& 141 with a grade of C or higher.

CHEM 299 Learning into Action (1-15)

NATURAL SCIENCES

Student develops and completes curriculum-related independent project that demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

CHEM 301 Chemistry for Environmental Conservation (5.5)

NATURAL SCIENCES

For the Bachelor of Applied Science Environmental Conservation program. Reactions in aqueous solution, equilibrium, acids and bases, acid-base and solubility equilibria, and electrochemistry. Lab included.

Prerequisite: CHEM& 121 with a grade of "C" or higher.

CHIN& 121 Chinese I (5)

HUMANITIES

Pronunciation fundamentals of grammar and syntax, oral exercises, reading and conversation.

Prerequisite: Grade of 2.0 or higher in ENGL 097, or AESL 098, or appropriate test score.

8 Course Descriptions

CHIN& 122 Chinese II (5)

HUMANITIES

Pronunciation fundamentals of grammar and syntax, oral exercises, reading and conversation.

Prerequisite: CHIN& 121 with a "C" or higher.

CHIN& 123 Chinese III (5)

HUMANITIES

Reading, writing and speaking Chinese at a third quarter level.

Prerequisite: CHIN& 122 with a "C" or higher.

CIS 146 Introduction to Microsoft Excel (5)

BUSINESS

Introduction to the use of Microsoft Excel spreadsheet software for home and office. Provides an understanding of spreadsheet software and a spreadsheet as a productive and useful tool.

Prerequisite: Computer literacy and file management skills are strongly recommended.

CIS 147 Introduction to Microsoft Access (5)

BUSINESS

Reading, writing and speaking Chinese at a third quarter level.

Prerequisite: Computer literacy and file management skills are strongly recommended.

CJ& 101 Introduction to Criminal Justice (3)

SOCIAL SCIENCES

Examines the history, philosophy, and organization of criminal justice and its European roots in our American society; explores the jurisdictions of local, state and federal agencies and their applications within the United States; presents an overview of the juvenile justice, corrections, and American court systems; discusses the multicultural and ethnic tendencies associated with criminal justice issues affecting the various criminal justice professions.

Prerequisite: None.

CJ& 105 Introduction to Corrections (3)

SOCIAL SCIENCES

Overview of evolution of corrections and the criminal justice system with discussion of penology. Explores punishment and sentencing in the U.S. and the alternatives with a study of various correctional systems and types of individuals passing through them. Examines prisoner rights and legalities and problems involved in managing a correctional facility, and covers aspects of probation and parole as they apply to the criminal justice system. Discusses societal issues and the challenges of diversity within the correctional system.

Prerequisite: None.

CJ& 106 Juvenile Justice (5)

SOCIAL SCIENCES

Juvenile deviance and theories of criminality are studied. Economic, social, and psychological impact of juvenile delinquency trends examined.

Prerequisite: CJ& 101 with a "D" or higher.

CJ& 110 Criminal Law (3)

SOCIAL SCIENCES

Introduction to the history of criminal law which provides a philosophical understanding of the process of crime and punishment, understanding the various mental states required for criminal responsibility, statutory and common law defenses, terminology, legislation and adjudication, and common law defenses to criminal charges such as entrapment, self-defense and necessity. Includes elements of crimes as set forth in the Washington criminal codes (RCW, WAC and selected Federal Codes).

Prerequisite: CJ& 101 with a "D" or higher.

CJ 111 Criminal Justice Procedures (3)

SOCIAL SCIENCES

Introduction to the due process and adversary system of justice in State and Federal Systems. Covers the differences between the civil and criminal process, the courtroom work group, punishment, parole and probation, sentencing appeals and options, and juvenile procedures.

Prerequisite: None.

CJ& 112 Criminology (5)

SOCIAL SCIENCES

Examines crime, criminal behavior patterns and the law. Explores crime, its context, and especially its causes. Designed to give students a theoretical, as well as practical, knowledge of criminology. Familiarizes students with the sociology of law, causes of crime and the control of crime. Covers basics in criminology theories, patterns and behaviors. Learn socioeconomic and sociocultural influences that have affected crime over the years.

Prerequisite: CJ& 101 with a "D" or higher.

CJ 236 Police Reserve Academy I (7)

SOCIAL SCIENCES

Preparatory training for adequate performance with a law enforcement agency as a reserve police officer. Credit applied to individuals who have completed the prescribed training program as specified by the Washington State legislature. Appropriate documentation required. Not applicable to ATA or AAUCT programs.

Prerequisite: Pass background investigation; sponsorship by law enforcement agency.

CJ 237 Police Reserve Academy II (7)

SOCIAL SCIENCES

Continuation of CJ 236. Preparatory training for adequate performance with a law enforcement agency as a reserve police officer. Credit applied to individuals who have completed the prescribed training program as specified by the Washington State legislature. Appropriate documentation required. Not applicable to ATA or AAUCT programs.

Prerequisite: CJ 236 with a "D" or higher.

8 Course Descriptions

CMST 100 Speech and Performance Anxiety Management (2)

HUMANITIES

Supports students/professionals who experience moderate to severe anxiety in public and/or group presentation, performance, and/or academic situations by introducing and practicing anxiety management techniques. May be taken prior to or concurrently with communication studies, speech intensive, or other academic courses or professional speech activities.

Prerequisite: None.

CMST& 102 Introduction to Mass Media (5)

HUMANITIES

A survey of the media of mass communications, including newspapers, magazines, radio, TV, motion pictures, and electronic media, with an emphasis on function, structure, content, and social and cultural effects.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

CMST 105 Multicultural Communication (5)

HUMANITIES

Explores cultural differences in communication styles and thought through the study of American ethnic, gender, and other groups, and the practice of effective intercultural communication strategies in various leadership roles and communication contexts.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

CMST 122 English Pronunciation (1-2)

HUMANITIES

An English pronunciation course with an emphasis on articulation, intonation, regional dialects, and communicative norms.

Prerequisite: None.

CMST 125 Professional Communication: D (3)

HUMANITIES

Stresses theory and practice of interpersonal, group, and public speaking skills for the workplace. Topics include problem-solving, leadership, speech preparation, and analysis of effective language, nonverbal behavior, listening, and conflict styles.

Prerequisite: None.

CMST 141 Oral Interpretation of Literature (5)

HUMANITIES

Stresses analysis of literature and its vocal and visual performance before an audience. Explores relationships between literary text, author, performer, and audience as well as delivery techniques. May focus on one or more literary genres.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

CMST 201 Communication Theory (5)

HUMANITIES

Survey of theories and concepts in communication ranging from intrapersonal to interpersonal, small group, organizational, public, mass, and/or intercultural communication. Highly recommended for speech/communication majors/minors.

Prerequisite: ENGL& 101 with a "C" or higher.

CMST& 210 Interpersonal Communication: E (5)

HUMANITIES

Interpersonal Communication is defined as communication between two or more communicators, characterized by a closer and more personal nature. As such, this is an exploratory course designed to give the student space to reflect on communication practices to prepare for a lifetime of successful equitable interpersonal relationships (familial, romantic, friendship, professional, etc.). These skills and knowledges will prepare students to build capacity to communicate equitably and ethically. In this course, particular focus will be placed on equitable communication across race, culture, and other social categorizations and constructs of human difference.

Prerequisite: ENGL 097 OR EAP 097 with a grade of C or higher; OR appropriate test score; OR placement into EAP 98; OR placement into EAP 103.

CMST 211 Interpersonal Communication II (5)

HUMANITIES

A review of research and theory in the study of interpersonal communication.

Prerequisite: CMST 210 with a "D" or higher.

CMST& 220 Public Speaking (5)

HUMANITIES

Provides students with theory and practice in preparing organized, goal-specific speeches, presenting them confidently before an audience, and analyzing components of the public speaking process. Meets AA-DTA communication requirements. Highly recommended for students planning to major in education or business at transfer colleges and universities.

Prerequisite: ENGL& 101 with a "C" or higher.

CMST& 230 Small Group Communication (5)

HUMANITIES

A survey class that explores the basic principles and techniques of effective small group discussion. Emphasizes the relationship of discussion to the communication process, critical thinking, problem solving, conflict management, leadership, group development, and role behaviors. Meets DTA communication requirement.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

CMST& 240 Intercultural Communication (5)

HUMANITIES

A comparative study of cultural perspectives, communication styles, relationships, and customs. May include analysis of and participation in cross-cultural interactions.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

CMST 295 Communications Studies Integrative Experience Seminar (2)

HUMANITIES

An Integrative Experience emphasizing an interdisciplinary approach to current issues in communications studies, including the societal context of communications studies and technology, and/or the ethical, political, and cultural aspects of communications studies.

Prerequisite: ENGL& 101 with a "C" or higher.

8 Course Descriptions

CMST 299 Learning Into Action (1-15)

HUMANITIES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

CMST 303 Communication in Natural Resources (3)

HUMANITIES

This course provides an overview of communication processes involved in small group interactions and collaborative decision making related to natural resources and natural resource management. It focuses on applications of group dynamics, decision making, problem solving, and conflict resolution.

Prerequisite: Admission to BASEC or department chair permission.

CMST 330 Effective Classroom Communication Strategies (5)

HUMANITIES

This class will help Early Childhood Education students to meet communication standards in their classrooms. Throughout the class, students will learn skills, tools, and strategies for facilitation and mediation to help students to modulate their communicative behaviors to serve in various roles, including communication in the classroom, with parents, among colleagues, and during family visits. By the end of the course, students will have an understanding of intercultural communication, power dynamics in education, and essential listening skills for equitable interaction.

Prerequisite: Admission to BASEC or department chair permission.

CMST 413 Leadership Development in Natural Resources (2)

HUMANITIES

This course is designed to provide organizational management theory, communication and team building skills to strengthen leadership development in the field of natural resource management.

Prerequisite: Admission to BASEC or department chair permission.

CS 101 Computers, Technology and Society (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

An overview of essential computer and digital technologies impacting society today. Analysis of the history, political events, social impacts and ethical issues surrounding computer technology. Includes an introduction to computer concepts, wireless technologies, security issues, and other current trends. Students will also work hands-on with the Internet, communication software, and typical applications available in a modern Windows environment.

Prerequisite: ENGL 097 or EAP 098 with a grade of "C" or higher (or placement into ENGL 098).

CS 110 Introduction to Computer Science (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Introduces fundamental concepts of computer science and computational thinking. Includes introduction to logical reasoning, procedural decomposition, conditionals, iteration, problem solving, and abstraction.

Prerequisite: MATH 099 with grade C or higher or concurrent enrollment; or placement into MATH& 141.

CS 121 Introduction to Computer Programming I (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Introduction to computer programming for students without previous programming experience. Includes procedural programming including primitive data types, control structures (loops, conditionals), methods, and arrays and related algorithms (linear search, binary search).

Prerequisite: MATH& 141 with grade C or higher.

CS 122 Introduction to Computer Programming II (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Computer programming for students with some previous programming experience. Emphasizes program design, style, and decomposition. Uses data structures (e.g., lists, dictionaries, sets). Object-oriented programming in Java. Introduction to recursion, memory models, inheritance.

Prerequisite: CS 121 with grade C or higher or department chair permission.

CS 123 Introduction to Computer Programming III (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Focuses on the implementation and analysis of elementary data structures (array list, linked list, binary search tree) and related algorithms.

Prerequisite: CS 122 with grade C or higher or department chair permission.

CS 142 Java Programming I (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

The Java programming language is used for applying basic programming-in-the-small abilities and concepts including algorithms, problem solving techniques, procedural programming (methods, parameters, return, values), basic control structures (sequence, if/else, for loop, while loop), file processing, arrays, and an introduction to defining objects. Intended for students without prior programming experience, but who are seriously considering majoring in Computer Science or related field.

Prerequisite: MATH 099 with a grade of "C" or higher (or placement into MATH& 141).

CS 143 Java Programming II (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

This course is a continuation of CS 142. The successful student will be able to read and write Java code containing recursion and abstract data types (ADTs) such as stacks, queues, linked lists, binary trees, lists, sets and maps. Students will utilize OOP concepts such as encapsulation, inheritance, interfaces and polymorphism while implementing data structures themselves, or using components from the Java Collections Framework.

Prerequisite: CS 142 with a grade of "C" or higher; and either MATH 099 with a grade of "C" or higher (or placement into MATH& 141).

CS 171 Linear Algebra for Data Analysis (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

This course uses a high-level programming language as a vehicle to discuss aspects of linear algebra that are important in data analytics. Develop an understanding of how to use linear algebra to solve problems. Topics include basic matrix operations, linear transformations, ranges, linear combinations and spans, systems of linear equations, symmetric matrices, inverses, determinants, triangular matrices, trace, eigenvalues and eigenvectors.

Prerequisite: CS 121 with grade C or higher or department chair permission.

8 Course Descriptions

CS 202 Discrete Structures I (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Set theory, relations, functions, formal logic, constructing proofs, computing with base-n numbers, combinatorics, and discrete probability with applications.

Prerequisite: CS 171 with grade C or higher.

CS 210 C++ Programming I (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

The C++ programming language is used for applying basic programming-in-the-small abilities and concepts including algorithms, problem solving techniques, procedural programming (functions, parameters, return, values), basic control structures (sequence, if/else, for loop, while loop), file processing, arrays, and an introduction to defining objects. Intended for students without prior programming experience, but who are seriously considering majoring in Computer Science or related field.

Prerequisite: MATH 099 with a grade of "C" or higher (or placement into MATH& 141).

CS 211 C++ Programming II (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

This course is a continuation of CS 210. The successful student will be able to read and write C++ code containing recursion and abstract data types (ADTs) such as stacks, queues, linked lists, binary trees, lists, sets and maps. Students will utilize OOP concepts such as encapsulation, inheritance and polymorphism while implementing data structures themselves, or using components from the Standard Template Library.

Prerequisite: CS 210 with a grade of "C" or higher; and either MATH 099 with a grade of "C" or higher (or placement into MATH& 141).

CS 222 Computing, Data, and Society (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Exploration of the use and impact of technology on society including artificial intelligence, algorithmic bias, social media, mass data collection and the spread of disinformation. Topics include privacy, spying, mass personalization and copyright.

Prerequisite: ENGL& 101 with a C or higher.

CS 233 Web Application Programming (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Foundations of web application programming for developing interactive web sites using client and server-side scripting. Explores frameworks and libraries, application design patterns and persistent data storage and retrieval. Students will develop, test, and debug applications.

Prerequisite: CS 122 with grade C or higher or department chair permission.

CS 243 Software Development Tools (3)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Learn about and practice using the tools that developers use on a daily basis such as the debugger, command line, version control systems, and other collaboration tools. Also includes an introduction to software testing, writing test cases, and the test-driven development process.

Prerequisite: CS 123 with grade C or higher or concurrent enrollment.

CS 296 CS Career Seminar (2)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Includes review and reflection on the variety of computer science careers and their associated skills and professional responsibilities, mapping these to program requirements and ethical implications. Create or refine a professional persona including resume and online portfolio, identify local professional networks and networking events, and investigate community-based learning, internship and mentorships.

Prerequisite: CS 123 with grade C or higher or concurrent enrollment.

CS 301 Foundations of Computer Science (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Practice object-oriented programming and apply elementary data structures and algorithms to medium-scale applications. Exposure to the theory of computing and computing machines.

Prerequisite: CS 123 with a grade of C or higher.

Admission: to BSCS program and department chair permission.

CS 302 Discrete Structures II (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Introduction to ideas and techniques from discrete mathematics that form the basis of data structures and algorithms used in Computer Science. Learn the fundamentals of graph theory, set theory, relations, enumeration, and recursive structures.

Prerequisite: CS 202 and CS 301 both with a grade of C or higher.

Admission: to BSCS program and department chair permission.

CS 320 Databases and Information Management Systems (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Exploration and practice with relational and non-relational databases, including cloud databases. Learn practical techniques for designing solutions for managing persistent data.

Prerequisite: CS 233 with a grade of C or higher.

Admission: to BSCS program and department chair permission.

CS 333 Data Structures and Algorithms I (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Explore and implement different methods of data storage and recommend which to use based on time and space performance. Evaluate commonly used data structures and their associated algorithms.

Prerequisite: CS 123 with a grade of C or higher; and CS 202 with a grade of C or higher or concurrent enrollment. *Admission:* to BSCS program and department chair permission.

CS 334 Data Structures and Algorithms II (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Continue exploration of data structures and algorithms by investigating real-world applications of algorithms, such as undirected graphs, directed graphs, minimum spanning trees, shortest paths, tries, regular expressions, reductions, and intractability.

Prerequisite: CS 333 with a grade of C or higher. *Admission:* to BSCS program and department chair permission.

8 Course Descriptions

CS 351 Software Engineering (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Learn fundamentals of software engineering including analysis of system requirements, software design principles, patterns, evaluation of appropriate engineering compromises, and application of collaborative software development practices and tools.

Prerequisite: Admission to BSCS program and department chair permission.

CS 355 User Interface and Experience (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Explore design stages on a variety of applications from concept to design completion using storyboards, feature requirements, rapid prototyping, and user testing techniques. Determine the importance of working with designers and solving front-end issues.

Prerequisite: Admission to BSCS program and department chair permission.

CS 360 Cloud Basics (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Introduction to the basic use of cloud tools (such as Amazon Web Services, Microsoft Azure, Google Cloud Platform, OpenStack or other current technology) including fundamentals and strategies for developing and/or moving applications and data storage in the cloud. Analyze cloud-based offerings and learn to deploy apps to the cloud, utilize cloud-based services, and develop cloud specific apps.

Prerequisite: Admission to BSCS program and department chair permission.

CS 370 Programming and Data Analysis for Managers (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Explore critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data and geographic data, document collections, and social networks. Investigate the workplace implications of ethical and social issues surrounding data analysis including bias and privacy.

Prerequisite: BASM Department chair permission.

CS 397 CS Seminar I (1)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Presentation, review and discussion of individual and team projects across cohorts. Practice code review, effective critique and peer support.

Prerequisite: Admission to BSCS program and department chair permission.

CS 401 Algorithmic Problem Solving (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Prepares students for technical interviews by practicing algorithm development, including applying common algorithms as well as novel algorithms, to solve problems. Includes multiple programming strategies such as backtracking and dynamic programming.

Prerequisite: Upper division BSCS enrollment.

Admission to BSCS program and department chair permission.

CS 402 Applied Math for Current Topics in Computer Science (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Provides exposure to emerging technologies and topics of current interest in computer science. Varies each quarter depending upon the state of technology. Can be repeated for credit as long as the topic covered is significantly different.

Prerequisite: CS 334 with a grade of C or higher and upper division BSCS enrollment. Admission to BSCS program and department chair permission.

CS 422 Principles of Computer Systems (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Explores the design, implementation, and evaluation of computer systems, including operating systems, networking, distributed systems, and parallel execution.

Prerequisite: CS 243 with a grade of C or higher and CS 301 with a grade of C or higher and upper division BSCS enrollment. Admission to BSCS program and department chair permission.

CS 433 Programming Languages (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Learn the fundamental concepts of programming languages through the study of the underlying principles, including, but not limited to: type checking, compiled versus interpreted languages, functional programming, objects, collections, and threads. Gain insight in choosing the right programming language for a particular problem. Skills acquired allow students to quickly learn new programming languages as they emerge.

Prerequisite: Upper division BSCS enrollment. Admission to BSCS program and department chair permission.

CS 450 Security Foundations (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Explore elements of security and common threats. Topics include various types of cyber attacks and risks to a system as well as fundamentals for mitigating those risks at the software level. May also discuss integration with networking systems.

Prerequisite: Upper division BSCS enrollment. Admission to BSCS program and department chair permission.

CS 485 Capstone Project I (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Identify a project for research and implementation related to some aspect of computer science. Work with a mentor and stakeholders to go through the software design and development process in collaboration with other developers.

Prerequisite: Upper division BSCS enrollment. Admission to BSCS program and department chair permission.

CS 486 Capstone Project II (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Continued research and implementation toward project milestones, regularly report on progress, document work and present results to appropriate internal and/or external audiences.

Prerequisite: Upper division BSCS enrollment. Admission to BSCS program and department chair permission.

8 Course Descriptions

CSS 100 College Success Skills I (1-3)

BASIC EDUCATION FOR ADULTS

Learning skills necessary to achieve success in college courses. Topics include time management, note taking, reading comprehension, memory enhancement, test taking techniques, and locating resources.

Prerequisite: None.

CSS 101 College Success Skills II (2)

BASIC EDUCATION FOR ADULTS

Review and expansion of skills learned in College Success Skills I. Study of critical thinking and its application to reading, writing, verbal expression, and the media.

Prerequisite: None.

CSS 102 College Success Skills III: Future Tense (2)

BASIC EDUCATION FOR ADULTS

An overview of information and skills helpful in successfully completing a Bachelor's degree; college selection, applications, selecting a major, financing college tuition, understanding degree requirements and coping with change.

Prerequisite: None.

CSS 103 First Quarter Experience (2)

BASIC EDUCATION FOR ADULTS

An orientation to college life and specific resources to succeed in attaining educational goals. Topics include: identifying interests and occupational choices, engaging in "college knowledge" and planning for financing college costs and a degree timeline.

Prerequisite: None.

CSS 104 College Success Skills for Online Learning (1-3)

BASIC EDUCATION FOR ADULTS

This course is designed to introduce students who are new to online learning to the tools and skills they will need to be successful when enrolling in online courses, as well as the habits that lead to successful online learning.

Prerequisite: None.

CSS 106 Fast Track for Success (2)

BASIC EDUCATION FOR ADULTS

Designed for new students, this course will address the learning skills necessary to achieve success in college. Topics include: time management, note taking, memory enhancement, test-taking techniques, and locating college and community resources. Additionally, this course examines values, skills, interests, career paths, and educational goals.

Prerequisite: None.

CSS 107 Career Exploration (2)

BASIC EDUCATION FOR ADULTS

Students will look at values, skills, interests, and goals; identify occupational resources; explore the world of work; and develop a plan for action.

Prerequisite: None.

CSS 109 First Quarter Experience--Career emphasis (3)

BASIC EDUCATION FOR ADULTS

Develop skills necessary to navigate SVC and to find a viable career pathway. Topics include locating campus resources, creating an academic plan of classes, planning for financing college costs, as well as personality types, Interests and values as they relate to choosing a career pathway.

Prerequisite: None.

CSS 110 College Orientation and Success (4)

BASIC EDUCATION FOR ADULTS

Skills necessary to navigate SVC and to achieve success in college level courses. Topics include time management, note-taking, reading comprehension, memory enhancement, test-taking techniques, locating campus resources, identifying interests and occupational choices, creating an academic plan of classes, and planning for financing college costs. MEETS FQE requirement for degree seeking students

Prerequisite: None.

CSS 120 Computer Tutorial Seminar (2)

BASIC EDUCATION FOR ADULTS

Introduction to the basic computer skills necessary for college success. Topics include: Microsoft Windows operating system, email, searching the Internet, the online learning platform Blackboard, and Microsoft Word.

Prerequisite: None.

CUL 101 Sustainable Food System Practices (3)

FOOD AND BEVERAGE MANAGEMENT

Introduction to sustainability as it pertains to culinary arts and kitchen management. Visit local growers and businesses that have applied sustainable practices. Includes discussions concerning current issues, economic viability, environmental stewardship, differences in seasonality and availability, water rights, regenerative practices and food waste.

Prerequisite: None.

CUL 111 Culinary Math (5)

FOOD AND BEVERAGE MANAGEMENT

Emphasis is on applied math for the culinarian. Meets the requirement for WMATH 100 for culinary students.

Prerequisite: MATH 096 with a "C" or higher.

CUL 123 Safety and Sanitation (3)

FOOD AND BEVERAGE MANAGEMENT

Applied food service sanitation and safety for the food service professional. This course provides students with understanding and practice of the principles of sanitation in order to maintain a safe and healthy environment for the consumer in the food service industry. Laws and regulations related to current FDA food codes and adherence to them in the food service operation are addressed. The National ServSafe Certificate is part of this course.

Prerequisite: CSS 103 with a "D" or higher or concurrent enrollment.

CUL 164 Baking Theory (3)

FOOD AND BEVERAGE MANAGEMENT

Theory and study of ingredients and techniques used in the professional bakery.

Prerequisite: None.

8 Course Descriptions

CUL 165 Baking Lab (10)

FOOD AND BEVERAGE MANAGEMENT

Introduction to bakeshop principles and operation, to include an orientation to bakeshop equipment, safety, and sanitation. Course covers the basic techniques of making cookies, quick breads, pies, cream fillings, cakes, icings, yeast breads, classic pastries, and specialty desserts.

Prerequisite: CUL 170 with a C or higher.

CUL 170 Introduction to Culinary Arts (1)

FOOD AND BEVERAGE MANAGEMENT

Introduction and exploration of the Hospitality and Baking industry to include career exploration and industry trends.

Prerequisite: None.

CUL 171 Cooking Fundamentals (3)

FOOD AND BEVERAGE MANAGEMENT

Study and preparation of basic center plate items. Dry and wet cooking method application for meat, poultry, fish, shellfish and vegetables. Classical knife cuts, meat, poultry and fish fabrication.

Prerequisite: CUL 170 with a C or higher.

CUL 172 Stocks, Soups, and Sauces (3)

FOOD AND BEVERAGE MANAGEMENT

Study and preparation of basic stocks, variety of soups and classic and modern sauces.

Prerequisite: CUL 170 with a C or higher.

CUL 173 The Cold Kitchen (3)

FOOD AND BEVERAGE MANAGEMENT

Study and preparation of salads, salad dressings sandwiches, appetizers, dips, spreads and cured meats.

Prerequisite: CUL 170 with a C or higher.

CUL 174 Food Identification and Preparation (3)

FOOD AND BEVERAGE MANAGEMENT

Basic cooking applications. Identification of tools and equipment, kitchen staples, stocks, soups, sauces and salads. Introduction to culinary history and identification of meat, fish, poultry, grains fruits and vegetables.

Prerequisite: CUL 170 with a C or higher.

CUL 184 Remarkable Service (3)

FOOD AND BEVERAGE MANAGEMENT

Customer service and dining room etiquette, recipe yields, menu costing pricing and methods.

Prerequisite: CUL 174 with a "C" or higher.

CUL 185 American Regional Cuisines (10)

FOOD AND BEVERAGE MANAGEMENT

Introduction to food operations and food production, Ala carte and batch cookery. Food based on American Regional Cuisines. Overview of the roles and responsibilities of various restaurant styles, personnel and professionalism.

Prerequisite: CUL 170, 171, 172, 173 with a grade of C (2.0) or higher.

CUL 199 Cooperative Education Experience (5)

FOOD AND BEVERAGE MANAGEMENT

Supervised work experience in an approved job. Includes a weekly seminar.

Prerequisite: Instructor permission required.

CUL 210 Human Resources Management and Supervision (3)

FOOD AND BEVERAGE MANAGEMENT

Management of human resources and understanding the dynamics of leadership in the hospitality and restaurant industry.

Prerequisite: None.

CUL 236 Controlling Foodservice Costs (3)

FOOD AND BEVERAGE MANAGEMENT

Analysis of food purchasing, receiving and production controls for foodservice professionals. Emphasis on applied math for the Culinary Arts. Forecasting, budgeting and controlling labor costs in various foodservice operations.

Prerequisite: CUL 111 with a "C" or higher.

CUL 237 Wine and Beverage Studies (3)

FOOD AND BEVERAGE MANAGEMENT

Beer, spirits and wine history, the making process and service. Introduction to sensory analysis of wine and food and wine pairing.

Prerequisite: None.

CUL 238 Garde Manger (3)

FOOD AND BEVERAGE MANAGEMENT

Theory and practice of garde manger principles. Charcuterie, cheese making, appetizer assembly, advanced garnishes and advanced sauce making.

Prerequisite: CUL 185 with a "C" or higher.

CUL 239 Chocolate, Sugar, and Fondant Cakes (3)

FOOD AND BEVERAGE MANAGEMENT

Theory and practice in the use of chocolate, sugar and fondant.

Prerequisite: CUL 164, 165, 170, 171, 172, 173, and 174 with a "C" or higher.

CUL 240 Bakery Sous Chef Lab (10)

FOOD AND BEVERAGE MANAGEMENT

Introduction to Restaurant/Bakery management (Station Assigned) to include menu development, food costing, purchasing, receiving, supervisory skills, marketing, sales, maintenance, sanitation scheduling, and food service accounting.

Prerequisite: CUL 164, 165, 170, 171, 172, 173, and 174 with a "C" or higher.

CUL 241 International Cuisines (10)

FOOD AND BEVERAGE MANAGEMENT

International Cuisine Ala carte cookery. Student operated restaurant. Overview of all roles and responsibilities in the restaurant and personnel and professionalism.

Prerequisite: CUL 185 with a "C" or higher.

CUL 242 Advanced Breads and Pastry (10)

FOOD AND BEVERAGE MANAGEMENT

Advanced baking and pastry skills with an emphasis on developing industry speed, professionalism, and presentation techniques.

Prerequisite: CUL 164, 165, 170, 171, 172, 173, and 174 with a "C" or higher.

CUL 264 Advanced Breads and Pastry Theory (3)

FOOD AND BEVERAGE MANAGEMENT

Theory and study of items produced in the bakeshop including breads, Viennoiserie, pastries, creams, cakes, chocolate, confections and decorative work for the advanced baking and pastry student.

Prerequisite: CUL 164 with a "C" or higher.

8 Course Descriptions

CUL 284 Food Business Concepts (3)

FOOD AND BEVERAGE MANAGEMENT

Navigates the logical progression from dream to reality, from concept to finding a market gap to managing and operating a restaurant. Provides a comprehensive picture of the restaurant business.

Prerequisite: CUL 184 with a "C" or higher.

CUL 297 Baking and Pastry Capstone Project (1)

FOOD AND BEVERAGE MANAGEMENT

Comprehensive performance and knowledge based assessment for completion of the Baking and Pastry emphasis program. Includes creating a project portfolio.

Prerequisite: Department chair permission.

CUL 298 Culinary Capstone Project (1)

FOOD AND BEVERAGE MANAGEMENT

Plan and present a 5-course meal. Menu development, cost control, safety and sanitation, management and all cooking and baking principles.

Prerequisite: Department chair permission.

DATA 101 Introduction to Data (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Dive into the world of data with this foundational course, that covers the entire data lifecycle from collecting data to communicating insights. Learn foundational concepts in data storage, data preparation, data analysis, and data visualization. Advanced topics, which include machine learning and the role of AI in analytics, are introduced.

Prerequisite: None.

DATA 105 Exploring Data Science and Technological Applications (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Building on foundational skills in data management and analytics, this course provides next-step introduction to more intermediate and advanced concepts and applied skills such as working with data analytics and data visualization. Hands-on experience in exploring data science tools in cloud computing environment is introduced.

Prerequisite: DATA 120 with a grade of C or higher.

DATA 110 Essentials of Cloud and Technological Ecosystems (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Introduction to foundational-level cloud services industry concepts providing hands-on experience in solving problems by designing, operating, and implementing solutions using cloud services.

Prerequisite: None.

DATA 115 Data Preparation (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Gain fundamental skills in data preparation, including data cleaning, transformation, and enrichment. Through a hands-on approach using modern data preparation software, learn the tasks, processes, and techniques needed to ensure data is ready for high-quality, reliable analysis.

Prerequisite: None.

DATA 125 Descriptive Analysis (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Gain practical experience in analyzing business data, focusing on real-world scenarios across various industries. Through a hands-on approach, learn to effectively summarize, interpret, and explain a dataset to inform decision-making. The ability to write clear and compelling data insights in diverse business environments is emphasized.

Prerequisite: DATA 115 and BUS 120 with a C or higher; or department chair permission.

DATA 130 Introduction to SQL (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Learn the foundational skills needed to effectively retrieve, manipulate, and analyze data using Structured Query Language (SQL), including working with relational models, cardinality, SQL statements, operators, and joins. Gain practical experience writing SQL queries to retrieve data from a relational database, join data from multiple tables, and aggregate data to answer analysis questions.

Prerequisite: None.

DATA 135 Project Management for Analytics (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Learn how to navigate the analytics project lifecycle with essential skills in project management. Traditional and modern project management approaches are introduced, with a focus on Agile methodologies. Gain proficiency in conducting stakeholder interviews, defining comprehensive project requirements, and managing projects with a structured development process.

Prerequisite: DATA 101 with a C or higher; or department chair permission.

DATA 145 Data Privacy, Security, and Ethics (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Explore critical aspects of ethics and compliance in data management, including data privacy laws such as GDPR and CCPA, and regulatory frameworks like HIPAA, FERPA, and GLBA. Designed for data professionals, the ethical responsibilities inherent in managing and analyzing data are emphasized, including the safeguarding of Personally Identifiable Information (PII), mitigating risks associated with data handling, and understanding the implications of algorithmic bias.

Prerequisite: None.

DATA 150 Data Visualization and Storytelling (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Learn to convey data insights effectively in business contexts with data visualization and storytelling techniques. Gain hands-on experience developing charts in modern data visualization software. Topics include technical development, data storytelling, chart types, and visual design principles.

Prerequisite: DATA 125 and DATA 135 with a C or higher; or department chair permission.

8 Course Descriptions

DATA 199 Community Contribution / Cooperative Education (Capstone I) (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Cooperative Education is a work-based learning program that helps students to bridge the gap between classroom theory and practical work skills. Students will explore and secure their own work placements, which may be paid or unpaid positions related to their field of study; and work on product ideation and execution for an industry-based project. The student, faculty sponsor, employer and Co-op Ed Coordinator work closely together to ensure a successful learning experience.

Prerequisite: Instructor permission required.

DATA 210 Python Programming for Data Analytics (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Gain practical experience coding in Python for data management and analysis. Designed for beginners, topics include basic object-oriented programming principles, Python syntax, and fundamental programming constructs. Through a hands-on approach, leverage essential Python libraries, including NumPy and Pandas, to perform data analysis and manipulation.

Prerequisite: None.

DATA 215 Data Engineering (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Explore foundational concepts and technologies in big data engineering. Learn about big data pipelines, storage, and processing, as well as the architecture of big data systems. Topics include cloud infrastructure, APIs for data access and integration, and ETL/ELT processes for data ingestion, extraction, and transformation. The automation and maintenance of data pipelines for reporting purposes is emphasized.

Prerequisite: DATA 115 and DATA 210 with a C or higher; or department chair permission.

DATA 225 Business Dashboards (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Learn the technical skills to develop impactful dashboards with modern data visualization software. Topics include the dashboard development process, hands-on development in modern technologies, business use cases to drive impact with dashboards, and visual design best practices to enhance user experience.

Prerequisite: DATA 150 with a C or higher; or department chair permission.

DATA 230 Relational Databases (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Learn the fundamentals of relational database design and management including normalization techniques for efficient data storage. Through practical exercises, perform operations such as inserting, updating, and deleting data in a relational database environment. The development of views to support reporting and enhance data accessibility and usability is included.

Prerequisite: DATA 130 with a C or higher; or department chair permission.

DATA 240 Predictive Analytics (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Explore the foundational concepts of predictive analytics and machine learning. Key topics include variable and model selection strategies, training and evaluating machine learning models, and utilizing web services to support model development. Fundamental algorithms, such as linear regression, decision trees, and logistic regression are covered.

Prerequisite: DATA 145 and DATA 215 and MATH& 146 all with a C or higher; or department chair permission.

DATA 245 Data Security (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Introduction to current topics in network security, including computer security and incident response, disaster recovery issues such as identifying, quantifying, planning for and managing risks, fault tolerance, disaster planning, system backups, and hands-on system recovery. Hands-on introduction to skill sets which include information protection, advanced threat analytics and cloud services security.

Prerequisite: DATA 110 with a grade of C or higher.

DATA 299 Community Contribution / Cooperative Education (Capstone II) (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Cooperative Education is a work-based learning program that helps students to bridge the gap between classroom theory and practical work skills. Students will explore and secure their own work placements, which may be paid, or unpaid positions related to their field of study. Students will work on product deployment of a work-based project. The student, faculty sponsor, employer and Co-op Ed Coordinator work closely together to ensure a successful learning experience.

Prerequisite: DATA 199 with a grade of C or higher.

DRMA& 101 Introduction to Theatre (5)

HUMANITIES

An introduction to the art, craft, and history of the theater. The process of play production will be studied from the points of view of the playwright, actor, director, and designer.

Prerequisite: Grade of 2.0 or higher in ENGL 097, or AESL 098, or appropriate test score.

DRMA 133 Acting: Voice Expression (5)

HUMANITIES

A study of the fundamental theory and practice of realistic acting with a focus on the vocal instrument of the actor. Basic acting theory will be discussed and practiced.

Prerequisite: None.

DRMA 134 Acting: Physical Expression (5)

HUMANITIES

A study of realistic acting with a focus on making the body expressive through character creation, script analysis and rehearsal technique.

Prerequisite: None.

DRMA 135 Acting III (5)

HUMANITIES

Using scenes from modern dramatic literature (1850-present), this course will focus on polishing characterization and script analysis skills, with additional emphasis on rehearsal procedure, actor preparation, performance skills and auditioning.

Prerequisite: DRMA 133 or DRMA 134 with a "C" or higher.

8 Course Descriptions

DRMA 136 Acting Shakespeare (5)

HUMANITIES

An introduction for the actor to the plays of William Shakespeare, including historical perspectives, script analysis, verse forms, and acting traditions, using the “Playing Shakespeare” videotape series from the Royal Shakespeare Company.

Prerequisite: Grade of 2.0 or higher in ENGL 097, or AESL 098, or appropriate test score.

DRMA 137 Acting for the Camera (3)

HUMANITIES

An introduction to acting for the camera. Auditions, agents, casting directors, resumes and unions will also be discussed.

Prerequisite: None.

DRMA 138 Auditioning Skills (4)

HUMANITIES

A practical overview of the audition process for the actor. Subjects to be covered will include prepared monologues, cold readings, preparing an effective resume, and interviewing techniques.

Prerequisite: None.

DRMA 139 Improvisation and Game Theater (3)

HUMANITIES

A practical course in the techniques of improvisation for the stage. Theater sports, sketch comedy and game theatre will be studied. Students should have basic acting experience.

Prerequisite: None.

DRMA 144 Writing for Performance (3)

HUMANITIES

Screenplay and stage script format, story construction and character development will be studied. Student writing will be read and discussed in a supportive workshop setting. An appropriate class for both beginning and advanced writers.

Prerequisite: None.

DRMA 151 Theater Workshop (1)

HUMANITIES

This is a practical workshop during which students will provide technical support for the play(s) being produced by the Theater Arts department. Duties may include set construction, lighting, costuming, house management, publicity or assignment to a running crew. Running crews will work from production week through closing.

Prerequisite: None.

DRMA 152 Theater Workshop (2)

HUMANITIES

List with DRMA 151, 152 using abstract from DRMA 151.

Prerequisite: None.

DRMA 153 Theater Workshop (3)

HUMANITIES

List with DRMA 151, 152, 153 using abstract from DRMA 151.

Prerequisite: None.

DRMA 154 Workshop for Actors (4)

HUMANITIES

A rehearsal and performance class open only to those students cast in a Theater Arts department production or directing a student project.

Prerequisite: None.

DRMA 161 Basic Stagecraft (5)

HUMANITIES

Planning, drafting, construction and rigging of scenery. Practical laboratory experiences in scenery construction, painting, handling and rigging of scenery. One production crew assignment with one scheduled laboratory assignment.

Prerequisite: None.

DRMA 162 Stage Design Theory and Practice (3)

HUMANITIES

This class covers the process of design as it relates to the theater. Students will explore the use of basic design principles along with the practical aspects of the theater.

Prerequisite: None.

DRMA 163 Introduction to Stage Lighting (1-4)

HUMANITIES

An introduction to the basic concepts of stage lighting, including the operation of stage lighting, planning and rigging; theory of lighting design, color and basic electricity; implementation of light plots, lighting equipment, control systems, technical rehearsal/performance procedures and operations.

Prerequisite: None.

DRMA 164 Costume Construction (3)

HUMANITIES

This course focuses on the practical aspects of costume construction to include fabric selection, machine and hand sewing, pattern drafting and draping, fitting, and finishing.

Prerequisite: None.

DRMA 166 Introduction to Stage Costuming (3)

HUMANITIES

An introduction to costuming for the stage including history, theory, design, and practical applications.

Prerequisite: None.

DRMA 168 Introduction to Stage Management (3)

HUMANITIES

This course introduces the student to the basic principles of stage management, including a study of differences between educational, community, and professional productions. The course includes the basic techniques used to oversee rehearsals and performances, assembling a prompt book, supervision of stage craft staff and compliance with safety regulations.

Prerequisite: None.

DRMA 230 Advanced Theatre Seminar (1-5)

HUMANITIES

A seminar to discuss special topics of interest in the theatre arts.

Prerequisite: Declared theatre arts major or permission of the instructor.

DRMA 233 Introduction to Directing (3)

HUMANITIES

An introduction to directing for the theater, including history, styles and traditions, and practical techniques and theories of directing.

Prerequisite: None.

8 Course Descriptions

DRMA 234 Directing II: Scene Study (4)

HUMANITIES

A scene study class for advanced directors. Student directors will work with student actors in rehearsing and staging of scenes from different types of dramatic literature.

Prerequisite: DRMA 233 with a "D" or higher or previous directing experience and instructor permission.

DRMA 235 Advanced Acting (5)

HUMANITIES

A scene study class for the experienced actor.

Prerequisite: DRMA 135 with a "D" or higher or instructor permission.

DRMA 236 Theater History I: Ancient-Renaissance (5)

HUMANITIES

An introduction and exploration of the relationship between historical events and the theater arts from the ancient period to the Renaissance.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

DRMA 237 Theater History II: Renaissance-1850 (5)

HUMANITIES

An introduction and exploration of the relationship between historical events and the theater arts from the Renaissance to 1850.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

DRMA 238 Modern Theater History (5)

HUMANITIES

An introduction and exploration of the relationship between historical events and the theater arts from 1850 to the present.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

DRMA 299 Learning into Action (1-15)

HUMANITIES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: CE None.

DSL 101 Diesel Electrical Theory (4)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to basic electrical concepts of voltage, amperage, and resistance and their relationship to each other in a circuit (Ohm's Law) as applied primarily to heavy-duty equipment. Includes digital multi-meter familiarization, working with simulation boards, and building basic electrical circuits.

Prerequisite: CSS 103 with a "D" or higher or concurrent enrollment.

DSL 102 Diesel Drivetrains I (8)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to the diesel industry with an emphasis on safety. Introduction to heavy-duty vehicle drivetrain systems. Theory of bearings and seals. Wheel bearing theory and adjustment. Theory, diagnosis, and repair of vehicle foundation brake and air system components.

Prerequisite: Concurrent enrollment in DSL 101 or 201; CSS 103 or concurrently enrolled.

DSL 103 Diesel Drivetrains II (13)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Continuation of DSL 102. Theory and shop application of wheels and tires, front (non-drive) axles, steering, suspensions and alignments; adjustment of clutches, both push and pull type, and manual and self-adjusting; basic hydraulic systems. Vehicle inspection and out-of-service criteria.

Prerequisite: DSL 102 and MATH 096 with a "D" or higher or concurrent enrollment.

DSL 104 Diesel Drivetrains III (13)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Continuation of DSL 103. Theory and repair of manual transmissions, drive axles, differentials, and drivelines. Introduction to automatic transmissions and their electronic control systems, and auto-shift manual transmissions. Theory and service diagnostics of ABS brakes. Theory and servicing of vehicle air-conditioning systems. Preventative maintenance summary. Develop skills regarding teamwork and customer service with a diverse and multicultural population.

Prerequisite: DSL 103 and WMATH 100 with a "D" or higher or concurrent enrollment.

DSL 199 Diesel Cooperative Education (15)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Supervised work experience in the field. Includes a weekly seminar.

Prerequisite: Instructor permission required.

DSL 201 Diesel Applied Electrical (4)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Focuses on practical applications of electrical circuits in heavy-duty equipment. Emphasis on the operation and testing of battery, starting and charging systems, wiring, connectors, circuit protection devices, gauges and warning systems, as well as wiring diagrams and symbols.

Prerequisite: DSL 101 with a "D" or higher.

DSL 202 Diesel Engines I (8)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to the diesel engine and its importance to the economy. Covers shop safety, hand and power tools, precision measuring tools, threaded fasteners, torque and tension. Basics of diesel engine operating theory and design, including all internal engine mechanical components. Introduction to preventative maintenance. Mathematics as it relates to the diesel industry will be incorporated. Shop projects include removal, teardown, and inspection of a modern diesel engine.

Prerequisite: Concurrent enrollment in DSL 101 or 201; CSS 103 or concurrently enrolled.

DSL 203 Diesel Engines II (13)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Continuation of DSL 202. Covers theory and servicing of engine support systems, including cooling, lubrication, and breathing systems. Introduction to diesel fuels and hydro-mechanical fuel systems, including pump-line-nozzle and various unit injector systems, governors and proper adjustments. Covers failure analysis and troubleshooting as applied to mechanical engines and fuel systems. Use of engine dyno to demonstrate engine break-in and performance characteristics. Shop work to include reassembly of engine projects started fall quarter, with the intent to run them.

Prerequisite: DSL 202 and MATH 096 with a "D" or higher or concurrent enrollment.

8 Course Descriptions

DSL 204 Diesel Engines III (13)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Continuation of DSL 203. Introduction to vehicle computer systems. Emphasis on electronically controlled fuel systems on Caterpillar, Cummins, Detroit Diesel, and International-Navistar engines. Covers tune-ups and diagnostics using PC based troubleshooting software. Preventative maintenance summary.

Prerequisite: DSL 203 with a "D" or higher;
WMATH 100 with a "D" or higher or concurrent enrollment.

DT 101 Fundamentals of Dental Therapy I (4)

HEALTH SCIENCES

Acceptance into the Dental Therapy program required. Introduction to the dental team and the role of dental therapy in public health settings. Topics include OSHA training, maintenance of equipment, identification of instruments and their uses, anatomical landmarks of the head and neck, overview of dental anatomy, taking and recording vital signs, taking and recording health and dental history, and the impact of medical conditions on dental treatment.

Prerequisite: Admission to Dental Therapy (DT) program and department chair permission.

DT 102 Fundamentals of Dental Therapy II (4)

HEALTH SCIENCES

Builds on the knowledge and skills learned in DT 101 and DT 111. Provides additional content about the theory and practice of dental therapy. Emphasis on dental radiology principles and techniques, identifying radiological anatomy, landmarks, and radiographic interpretation. Introduction to dental materials, impressions, dental photographs, and mouthguard fabrication.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 111 Dental Therapy Lab I (2)

HEALTH SCIENCES

Clinical applications of topics including infection control practices, ergonomic principles, instrument grasp and fulcrum, utilization of a dental instruments, moisture control, and rubber dam isolation, managing medical emergencies including the use of emergency oxygen, providing basic first aid, and Basis Life Support (BLS) CPR.

Prerequisite: Admission to Dental Therapy (DT) program and department chair permission.

DT 112 Dental Therapy Lab II (6)

HEALTH SCIENCES

Emphasis is on taking periapical, horizontal, and vertical bitewings, occlusal and panoramic radiographs, digital photographs, mouthguard fabrication and manipulation of dental materials in pre-prepped teeth.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 113 Dental Therapy Lab III (4)

HEALTH SCIENCES

Place dental sealants, apply fluoride varnish, silver diamine fluoride (SDF), and povidone iodine. Practice SMART, Hall technique for placing stainless steel crowns (SSC), head and neck examinations, prophylaxis, placing and removing periodontal dressings, and suture removal.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 114 Dental Therapy Lab IV (7)

HEALTH SCIENCES

Simulation lab course where manikins and typodonts are used. Emphasis on practicing preparation and restoration of permanent teeth using amalgam and composite materials.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 131 Oral Health Education I (2)

HEALTH SCIENCES

Introducing the art and science of preventing dental diseases within the context of cultural humility. Customize oral health instruction for patients in all stages of life and learn the relationship of western diet on dental caries, and the value of native, traditional foods. Focuses on evidence-based oral health practices and becoming culturally competent oral health providers utilizing motivational interviewing strategies. Self-care practices are included to develop resilient providers who are role models in their communities. Acceptance into the Dental Therapy Program required.

Prerequisite: Admission to Dental Therapy (DT) program and department chair permission.

DT 132 Oral Health Education II (2)

HEALTH SCIENCES

Continuation of topics related to the art and science of preventing dental disease. Accentuates application of motivational interviewing to improve oral health, and work with patients who use tobacco or have substance use disorders.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 133 Oral Health Education III (2)

HEALTH SCIENCES

Builds on earlier coursework to actively use knowledge and skills to connect with and build trust with patients. Highlights the important role of health literacy and cultural humility as well as practical applications of motivational interviewing, behavior modification techniques, and management of fear and anxiety across all patient groups with emphasis on pediatric, geriatric, and autistic patients.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 135 Diagnosis and Treatment Planning (3)

Learn about comprehensive, periodic, and limited oral examinations to develop dental treatment options in a systematic way. Topics include customization of treatment plans to accommodate patient considerations and needs, identification of conditions requiring consultation and treatment by dentists, physicians, other healthcare providers, and treatment that is within the dental therapy scope of practice. Interactive cases, critical thinking activities, and case presentations provide practice to prepare students for transitioning from preclinical to clinical sessions.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

8 Course Descriptions

DT 142 Anatomy, Physiology, Head and Neck, and Pathology (3)

HEALTH SCIENCES

Overview of anatomy and physiology of head and neck with focus on intraoral tissues, bones, muscles, nerves, and vascularization. Incorporates embryology, histology, and pathology as it relates to the head and neck, consultation and referral of conditions that are not within the scope of dental therapy practice.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 143 Preclinical Operative (5)

HEALTH SCIENCES

Concepts and principles of dental anatomy, occlusion, and dental materials as they relate to permanent tooth preparation and restoration. Evidence-based practices for selection of dental materials are emphasized, as are criteria for assessing the quality of cavity preparations and tooth restorations.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 144 Cariology and Minimally Invasive Dentistry (3)

HEALTH SCIENCES

Topics include examining the impact of social determinants, health equity, nutrition and disparities on caries prevalence and evidence-based practices to prevent, diagnosis, treat, and control caries. Practice preventive and minimally invasive techniques.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 156 Hygiene and Periodontology (3)

HEALTH SCIENCES

Concepts and clinical applications to prevent, diagnose, treat, and manage periodontal disease. Topics include periodontal risk assessment, prognosis, treatment planning, recall intervals, referrals, periodontal dressings, sutures, and current advances in periodontal research.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 200 Introduction to Clinical Care (4)

HEALTH SCIENCES

Orientation to the Swinomish Dental Clinic to become members of the health care team. Transition from working on manikins in simulation lab to providing dental treatment to patients.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 201 Advanced Dental Therapy Concepts I (2)

HEALTH SCIENCES

Introduction to Pediatric Dentistry. Topics include anticipatory guidance, primary tooth development and anatomy, diagnosis and treatment planning of children, preventive and interceptive orthodontics, preparation and placement of restorations and preformed crowns on primary teeth, indirect pulp capping, and pulpal therapy on primary teeth.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 202 Advanced Dental Therapy Concepts II (2)

HEALTH SCIENCES

Review topics learned in previous courses with an emphasis on critical thinking and integrating the knowledge and skill sets into direct care scenarios. Additional topics include urgent care dentistry, simple/nonsurgical extraction of erupted teeth, characteristics of oral lesions, and managing oral surgery consultations and referrals.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 203 Advanced Dental Therapy Concepts III (2)

HEALTH SCIENCES

Review topics learned in previous courses with an emphasis on critical thinking and integrating the knowledge and skill sets into direct care scenarios. Topics include repair of removable defective prosthetic appliances, and removal of space maintainers. Provide clinical care within the scope of dental therapy practice.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 210 Dental Therapy Skill Consolidation (3)

HEALTH SCIENCES

Perform diagnostic, preventive, and emergency palliative treatment to patients at the Swinomish Dental Clinic. Educate patients to promote oral health and prevent dental disease.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 211 Dental Therapy Clinic I (6)

HEALTH SCIENCES

Provide treatment for patients applying knowledge and skills learned in previous courses with an emphasis on developing clinical skills and on critical thinking. Deepen reasoning and clinical proficiency with each patient encounter.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 212 Dental Therapy Clinic II (8)

HEALTH SCIENCES

Provide treatment for patients applying knowledge and skills learned in previous courses with an emphasis on developing clinical skills and on critical thinking. Deepen reasoning and clinical proficiency with each patient encounter.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 213 Dental Therapy Clinic III (8)

HEALTH SCIENCES

Provide treatment for patients applying knowledge and skills learned in previous courses with an emphasis on developing clinical skills and on critical thinking. Deepen reasoning and clinical proficiency with each patient encounter.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

8 Course Descriptions

DT 221 Professional Dental Therapy Practice I (3)

HEALTH SCIENCES

Professional expectations and responsibilities of an oral health provider are discussed. Laws and ethics that govern dental therapy practice are applied using critical thinking frameworks. The impact of historical trauma on patients, providers and communities is examined. Strategies to prevent malpractice, the responsibilities of a mandatory reporter, and healthy self-care practices are presented.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 222 Professional Dental Therapy Practice II (2)

HEALTH SCIENCES

Work in teams to conduct quality assurance (QA) projects designed to study different factors that affect the delivery of oral healthcare for patients. Findings with recommendations to correct deficiencies are presented. Continue to practice healthy self-care strategies.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 223 Professional Dental Therapy Practice III (2)

HEALTH SCIENCES

Topics include a variety of methods to improve communication skills, manage conflict, and handle difficult conversations. Complete mandatory State of Washington suicide prevention CE course and continue to develop and practice healthy self-care strategies.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 224 Professional Dental Therapy Practice IV (3)

HEALTH SCIENCES

Emphasis on efficiently managing a dental office, crafting an effective resumé, practicing interviewing skills, and developing and practicing healthy self-care strategies.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 231 Community Oral Health Programs I (2)

HEALTH SCIENCES

Focuses on planning effective community based dental programs, and stresses effective and culturally appropriate communications with individuals who predominately live in rural, Native American communities. Community dental programs are developed by assessing community dental needs and by gaining community input and ownership. Emphasis is placed on using and building familiarity with other evidence-based community oral health initiatives and their effectiveness. Use elements of the POARE planning model and use SMARTER objectives as they relate to indigenous cultures. Design an oral health needs assessment and a culturally relevant community oral health promotion project.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 232 Community Oral Health Programs II (1)

HEALTH SCIENCES

Practical applications of epidemiology, public health, and cultural competency principles learned in previous courses. Apply components of POARE and SMARTER objectives to implement and evaluate culturally appropriate community oral health promotion projects.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 233 Community Oral Health Programs III (2)

HEALTH SCIENCES

Practical applications of epidemiology, public health, and cultural competency principles learned in previous courses. Apply components of POARE and SMARTER objectives to evaluate culturally appropriate community oral health promotion projects. Present Community Oral Health Promotion Projects that were developed, implemented, and evaluated in prior courses.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 235 Advanced Diagnosis and Treatment Planning (3)

HEALTH SCIENCES

Interactive cases, critical thinking activities, and case presentations provide practice to further develop diagnostic and treatment planning knowledge and skills. Apply evidence-based practices to customize treatment plans.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 240 Oral Health Education IV (2)

HEALTH SCIENCES

Builds on earlier coursework to actively use knowledge and skills in the art and science of preventing oral diseases. Learn to create and deliver oral health promotion and disease prevention presentations appropriate for different audiences (students, caregivers, teachers, and healthcare providers).

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 241 Community Rotations I (2)

HEALTH SCIENCES

Students are assigned to various community sites to provide services within the scope of dental therapy practice, and work on community oral health promotion projects.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 242 Community Rotations II (2)

HEALTH SCIENCES

Students are assigned to various community sites to provide services within the scope of dental therapy practice, and work on community oral health promotion projects.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

8 Course Descriptions

DT 243 Community Rotations III (2)

HEALTH SCIENCES

Students are assigned to various community sites to provide services within the scope of dental therapy practice, and work on community oral health promotion projects.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 261 Pharmacy and Medical/Dental Emergency (4)

HEALTH SCIENCES

Focuses on drugs used in dental settings, common interactions of those drugs, as well as recognition and understanding of commonly prescribed medications. Learn to analyze medical histories and patient medication lists to assess overall patient health and identify complications that could impact dental treatment. Demonstrate an understanding of basic pharmacology, pharmacokinetics, pharmacodynamics, and adverse effects of drugs with specific competence in dispensing analgesics, anti-inflammatory agents, and antibiotics under the direction of a supervising dentist. Learn how to recognize and report clinical situations requiring medications beyond scope of practice and manage dental and medical emergencies that may arise. Practice dental and medical emergency scenarios, and complete mandatory Washington State Opioids in Dental Practice CE course.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 265 Local Anesthesia (2)

HEALTH SCIENCES

Topics include understanding fundamentals in pain impulse generation and transmission, mode and site of action of local anesthetics, onset and duration of action, addressing failures to achieve profound anesthesia, and possible complications associated with administration of the local anesthetic agents.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 280 Digital Health Communications (2)

HEALTH SCIENCES

Practice the use of telehealth and other technology to communicate with supervising dentists and other healthcare providers as well as explore the potential and consequences of social media on health beliefs and behavior. Design, implement, and evaluate a mini social media campaign.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

DT 295 Preceptorship (14)

HEALTH SCIENCES

After successfully completing 39 competencies, students will become members of a dental healthcare team at a sponsoring dental clinic, and will continue to develop as a competent dental therapist through the synthesis, application, and interpretation of cognitive, affective, and psychomotor skills learned throughout the program. Evaluations and feedback will be provided to aid in growth and confidence building. Presentation of student portfolios will be scheduled during the quarter.

Prerequisite: Successful completion of Dental Therapy (DT) coursework from previous quarter.

EAP 050 Connect I: Reading and Writing (9)

BASIC EDUCATION FOR ADULTS

An intensive course for English language learners with an emphasis on sentence structure, academic vocabulary development, grammar skills, and reading strategies that will prepare students for EAP 60.

Prerequisite: Appropriate placement test score or instructor permission.

EAP 055 Connect I: Listening and Speaking (9)

BASIC EDUCATION FOR ADULTS

An intensive course for English language learners with an emphasis on communication skills that will prepare students for EAP 65.

Prerequisite: Appropriate placement test score; or instructor permission.

EAP 060 Connect II: Reading and Writing (9)

BASIC EDUCATION FOR ADULTS

An intensive course for English language learners with an emphasis on paragraph structure, academic vocabulary development, grammar skills, and reading strategies that will prepare students for Connect III.

Prerequisite: Appropriate placement test score; C or higher in Connect I, or instructor permission.

EAP 065 Connect II: Listening and Speaking (9)

BASIC EDUCATION FOR ADULTS

An intensive course for English language learners with an emphasis on communication skills that will prepare students for EAP 75.

Prerequisite: Appropriate placement test score; C or higher in EAP 55; or instructor permission.

EAP 070 Connect III: Reading and Writing (9)

BASIC EDUCATION FOR ADULTS

An intensive course for English language learners with an emphasis on basic essay structure, academic vocabulary development, grammar skills, and reading strategies that will prepare students for EAP 97.

Prerequisite: Appropriate placement test score; C or higher in EAP 60; or instructor permission.

EAP 075 Connect III: Listening and Speaking (9)

BASIC EDUCATION FOR ADULTS

An intensive course for English language learners with an emphasis on communication skills that will prepare students for EAP 105.

Prerequisite: Appropriate placement test score, C or higher in EAP 65, or instructor permission.

EAP 097 Bridge I: Composition (5)

BASIC EDUCATION FOR ADULTS

A semi-intensive course for English language learners with an emphasis on academic composition and grammar skills that will prepare students for EAP 98.

Prerequisite: Appropriate placement test scores, C or higher in EAP 70, or instructor permission.

EAP 098 Bridge II: Composition (5)

BASIC EDUCATION FOR ADULTS

A semi-intensive course for English language learners with an emphasis on academic composition and grammar skills that will prepares students for English 101.

Prerequisite: Appropriate placement test scores, C or higher in EAP 97, or instructor permission.

8 Course Descriptions

EAP 103 Bridge II: Academic Reading (5)

BASIC EDUCATION FOR ADULTS

A semi-intensive support course for SVC students in the EAP Program who are taking a linked 100 level or higher non-EAP reading-intensive course.

Prerequisite: Appropriate placement test score, C or higher in EAP 97, or instructor permission.

EAP 105 Bridge I: Communication Skills (5)

BASIC EDUCATION FOR ADULTS

A course for English language learners with an emphasis on communication skills that will prepare students for future academic courses.

Prerequisite: Appropriate placement test score, C or higher in EAP 75, or instructor permission.

EASC 102 Meteorology (5)

NATURAL SCIENCES

A survey of atmospheric science, emphasizing weather observation and global viewpoint. Forecasting, weather map interpretation, physics and chemistry of the atmosphere, and optics. The interaction between human activity and the atmosphere is stressed. Lab included.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

EASC 110 Energy and Society (5)

NATURAL SCIENCES

An exploration of the scientific basis for our conventional energy resources (fossil fuels, nuclear, hydro) and for renewable/sustainable energy resources (solar, wind, biomass etc.). Surveys the political, social, economic and environmental context of how our culture uses energy and the barriers to large-scale renewable energy implementation. Lab included.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

EASC 111 Matter and Energy in Earth Science (5)

NATURAL SCIENCES

Hands-on (i.e. lab-based) exploration of Earth sciences developing understanding of the interactions of matter and energy in Earth processes such as rock formation, plate tectonics, earthquakes and volcanism. The inquiry also develops tools to understand how Earth has changed over geologic time-scales. Lab included. This course is open to all students and is strongly recommended for the Associate in Education and Early Childhood Education degrees, and is a "highly desired" science course for students pursuing Woodring College of Education's ECE or Elementary Ed. programs at WWU. The suggested sequence is PHYS 111 followed by EASC 111.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

EASC 120 Climate Change and Climate Solutions (5)

NATURAL SCIENCES

An exploration of the Earth's changing global climate system and of solutions. We will review the atmospheric, oceanic, solid Earth, biological and extraterrestrial controls on climate and examine climate forecast scenarios in the context of societal and environmental impacts. Strategies for reducing emissions and reversing carbon dioxide buildup will be a focus. Lab included.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

EASC 299 Learning into Action (1-15)

NATURAL SCIENCES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

ECED& 100 Child Care Basics (3)

EDUCATION

Designed to meet licensing requirements for early learning lead teachers and family home child care providers, STARS 30 hour basics course recognized in the MERIT system. Topics: child growth/development, cultural competency, community resources, guidance, health/safety/nutrition and professional practices.

Prerequisite: None.

ECED 101 Child Abuse and Neglect (2)

EDUCATION

Overview of the legal requirements, professional responsibilities and local laws and policies regarding child abuse, neglect, and behavioral distress in students. Reviews symptoms and remediation/intervention/prevention techniques.

Prerequisite: None.

ECED& 105 Introduction to Early Childhood Education (5)

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.

Prerequisite: None.

ECED& 107 Health, Safety, and Nutrition (5)

EDUCATION

Introduction to implementation of equitable health, safety and nutrition standards for the growing child in group care. Focus on federal Child Care Block Grant funding (CCDF) requirements, WA state licensing and Head Start Performance standards. Develop skills necessary to keep children healthy and safe, report abuse and neglect, and connect families to community resources.

Prerequisite: None.

8 Course Descriptions

ECED 108 Bridges Module I (Child Guidance) (1) EDUCATION

Teaching strategies and guidance techniques for individual and groups of children to prevent behavior problems, assist in solving problems, and promote the development of effective social skills. ECED 108, 109, and 110 combined are equivalent to EDUC& 130.

Prerequisite: Must take ECED 108, 109 and 110 to equal EDUC& 130.

ECED 109 Bridges Module II (Child Guidance) (1) EDUCATION

Teaching strategies and guidance techniques for individual and groups of children to prevent behavior problems, assist in solving problems, and promote the development of effective social skills. ECED 108, 109, and 110 combined are equivalent to ECED& 130.

Prerequisite: Must take ECED 108, 109 and 110 to equal EDUC& 130.

ECED 110 Bridges Module III (Child Guidance) (1) EDUCATION

Teaching strategies and guidance techniques for individual and groups of children to prevent behavior problems, assist in solving problems, and promote the development of effective social skills. ECED 108, 1079, and 110 combined are equivalent to ECED& 130.

Prerequisite: Must take ECED 108, 109 and 110 to equal EDUC& 130.

ECED& 120 Nurturing Relationships (2) EDUCATION

In an early learning setting, engage in establishing nurturing, supportive relationships with all children and professional peers. Focus on children's health and safety, promoting growth and development, and creating a culturally responsive environment.

Prerequisite: department chair permission.

ECED& 132 Infant/Toddler Care (3) EDUCATION

Examine the unique developmental needs of infants and toddlers in an early learning setting. Student will work or volunteer two hours each week in an infant or toddler classroom.

Prerequisite: None.

ECED& 134 Family Childcare Management (3) EDUCATION

Learn how to manage a family childcare program. Topics include: licensing requirements, record-keeping, relationship building, communication strategies, guiding behavior, and promoting growth and development.

Prerequisite: None.

ECED& 138 Home Visiting and Family Engagement (3) EDUCATION

Plan and provide home visits and group activities. Promote secure parent-child relationships. Support families to provide high-quality early learning opportunities embedded in everyday routines and experiences.

Prerequisite: None.

ECED& 139 Administration of Early Childhood Ed (3) EDUCATION

Develop administrative skills required to develop, operate, manage and improve early childhood education and care programs. Acquire basic business management skills. Explore resources and supports for meeting Washington State licensing and professional NAEYC standards.

Prerequisite: None.

ECED 140 Issues and Trends in Education (3) EDUCATION

Review and discussion of current issues and special topics regarding school, community, and home relationships affecting education.

Prerequisite: None.

ECED& 160 Curriculum Development (5) EDUCATION

Investigate learning theory, program planning, tools and methods for curriculum development promoting language, fine/gross motor, social-emotional, cognitive and creative skills and growth in children birth through age 8.

Prerequisite: ECED& 105 and EDUC& 115 with a "D" or higher.

ECED 161 Bridges Module I (Birth to Age Three) (1) EDUCATION

Focuses on the significance of childhood from birth to age three. Emphasis on caring relationships and early learning. Examines the range of typical and atypical development. Develop skills in noticing and responding to infant/toddler cues, forming partnerships with parents, designing culturally relevant and inclusive environments, encouraging sensory motor exploration, and nurturing play and social and emotional development. ECED 161, 162, and 163 combined are equivalent to ECED& 132.

Prerequisite: Must take ECED 161, 162 and 163 to equal ECED& 132.

ECED 162 Bridges Module II (Birth to Age Three) (1) EDUCATION

Focuses on the significance of childhood from birth to age three. Emphasis on caring relationships and early learning. Examines the range of typical and atypical development. Develop skills in noticing and responding to infant/toddler cues, forming partnerships with parents, designing culturally relevant and inclusive environments, encouraging sensory motor exploration, and nurturing play and social and emotional development. ECED 161, 162, and 163 combined are equivalent to ECED& 132.

Prerequisite: Must take ECED 161, 162 and 163 to equal ECED& 132.

ECED 163 Bridges Module III (Birth to Age Three) (1) EDUCATION

Focuses on the significance of childhood from birth to age three. Emphasis on caring relationships and early learning. Examines the range of typical and atypical development. Develop skills in noticing and responding to infant/toddler cues, forming partnerships with parents, designing culturally relevant and inclusive environments, encouraging sensory motor exploration, and nurturing play and social and emotional development. ECED 161, 162, and 163 combined are equivalent to ECED& 132.

Prerequisite: Must take ECED 161, 162 and 163 to equal ECED& 132.

8 Course Descriptions

ECED& 170 Learning Environments (3)

EDUCATION

Focuses on the adult's role in designing, evaluating, and improving indoor and outdoor environments that ensure quality learning, nurturing experiences, and optimize the development of young children.

Prerequisite: None.

ECED& 180 Language and Literacy Development (3)

EDUCATION

Teaching strategies for language acquisition and literacy skill development are examined at each developmental stage (birth-age 8) through the four interrelated areas of speaking, listening, writing, and reading.

Prerequisite: ECED& 190.

ECED& 190 Observation and Assessment (3)

EDUCATION

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

Prerequisite: EDUC& 115 with a "D" or higher.

ECED 199 Cooperative Education (1-15)

EDUCATION

Supervised work experience in the field. Includes a weekly seminar.

Prerequisite: Instructor permission required.

ECED 201 Art, Music, and Movement for Children (4)

EDUCATION

Practical ways to plan, select and prepare art, music, and movement experiences for young children (birth to 8 years). Student will work or volunteer 2 hours a week in an early learning setting.

Prerequisite: EDUC& 115 with a grade of D or higher.

ECED 202 Math and Science Learning for Children (4)

EDUCATION

Focuses on math and science learning for children aged birth to 8 years. Explores the process of planning, selecting and preparing materials and experiences for young children. Student will work or volunteer 2 hours a week in an early learning classroom.

Prerequisite: EDUC& 115 with a grade of D or higher.

ECED 203 Essentials of Child Development Associate Credential (CDA): Health and Safety (3)

EDUCATION

The first of three courses in preparation for the Child Development Associates Credential (CDA). Examines how to establish and maintain a safe and healthy learning environment for young children.

Prerequisite: None.

ECED 204 Essentials of Child Development Associate Credential (CDA): Child Development (3)

EDUCATION

Continuation of ECED 203. Examines positive ways to support children's social and emotional development and intellectual competence. Topics include communication, creativity, self-esteem, social and cognitive development. Explores typical and atypical development patterns for young children.

Prerequisite: ECED 203 with a "D" or higher.

ECED 205 Essentials of CDA: Working with Families, Program Management and Ethics. (3)

EDUCATION

Continuation of ECED 203 and 204. Examines working with families, program management and professionalism.

Prerequisite: ECED 203 and ECED 204 with a "D" or higher.

ECED 206 Essentials of the Child Development Associates Credential (CDA): Resource File (3)

EDUCATION

Child Development Associates (CDA) resource file documentation of the required skills and knowledge to become a professional teacher of young children. Students who have completed the educational requirements for the CDA will be provided with information to help them apply, understand, define, and clarify the requirements established by the CDA National Credentialing program for center or home based settings. May be taken in conjunction with one of the other CDA courses.

Prerequisite: ECED 203, ECED 204, or ECED 205 with a "D" or higher.

ECED 211 Equity in Education: E (3)

EDUCATION

Examination of historical and institutional oppression and how these systems of oppression operate in educational settings. Focuses on how teachers can interrupt this oppression and create more equitable classrooms for all students.

Prerequisite: None.

ECED 223 Practicum and Seminar (1-4)

EDUCATION

Practical application of education coursework in the Birth-3rd Grade classroom setting. Attend a weekly seminar and work with children in a public or private school setting under the direct supervision of a Bachelor's level staff member or teacher. Experiences will include supporting and assisting in instructional and other services to children, youth and their families.

Prerequisite: Department chair permission.

8 Course Descriptions

ECED 241 Bridges Module I (Family/Child Programs) (1)

EDUCATION

Administration and management of early childhood education and child care programs in both the public and private sector. ECED 241, 242, and 243 combined are equivalent to ECED& 139.

Prerequisite: Must take ECED 241, 242, and 243 to equal ECED& 139.

ECED 242 Bridges Module II (Family/Child Programs) (1)

EDUCATION

Administration and management of early childhood education and child care programs in both the public and private sector. ECED 241, 242, and 243 combined are equivalent to ECED& 139.

Prerequisite: Must take ECED 241, 242, and 243 to equal ECED& 139.

ECED 243 Bridges Module III (Family/Child Programs) (1)

EDUCATION

Administration and management of early childhood education and child care programs in both the public and private sector. ECED 241, 242, and 243 combined are equivalent to ECED& 139.

Prerequisite: Must take ECED 241, 242, and 243 combined to equal ECED& 139.

ECED 280 Literacy Skills for Teachers (3)

EDUCATION

Develop fundamental reading, writing, and/or test-taking skills needed for success on standardized exams and in teaching preschool through 3rd grade.

Prerequisite: None.

ECED 284 Numeracy Skills for Teachers (3)

EDUCATION

Develop fundamental mathematics and test-taking skills needed for success on standardized exams and in teaching preschool through 3rd grade.

Prerequisite: None.

ECED 311 Culturally Responsive Pedagogy (5)

EDUCATION

Learn about Culturally Responsive Pedagogy. Explores the fundamental principles, strategies, and practices necessary to create an inclusive and culturally aware classroom environment. Participants will delve into the dynamic interplay between language, culture, and learning, equipping them with the tools to foster a supportive and diverse educational setting.

Prerequisite: ECED 360 and ECED 390 with a grade of C or higher.

ECED 360 Planning for Instruction (5)

EDUCATION

Develop the essential knowledge and skills needed to create effective and inclusive instructional plans tailored to the unique needs of every learner. Equips participants with the ability to design developmentally appropriate curriculum that aligns with learning standards. Considers individual learners' strengths, interests, and needs. Educators will also gain insights into the art and science of teaching by understanding how learning occurs and applying effective instructional strategies.

Prerequisite: EDUC 303 and EDUC 315 with a grade of C or higher.

ECED 389 Phonics (2)

EDUCATION

Learn the fundamental principles and concepts of the structure of language, with a focus on phonological awareness and phonics in both Spanish and English. Contents include the sound-symbol correspondences of language and the relationship of phonemic awareness and the phonological system of language to the reading process.

Prerequisite: ECED 402 with a C or higher.

ECED 390 Assessment Methods (5)

EDUCATION

Designed to equip future educators with the knowledge and skills needed to assess individual and group performance effectively across cognitive, linguistic, social, emotional, and physical development areas. Explores a wide range of assessment strategies and techniques to ensure fair, accurate, and meaningful evaluations of learners' progress and development.

Prerequisite: EDUC 303 and EDUC 315 with a grade of C or higher.

ECED 402 Inclusive Mathematics Instruction and Assessment (5)

EDUCATION

A comprehensive course designed for future educators who are committed to providing inclusive and equitable mathematics education to students with diverse learning needs. Designed to give participants an understanding of how children progress in their mathematical thinking and learning, and how to facilitate high quality learning experiences through focusing on early numeracy content with research-based methods. Inclusive Mathematics Instruction and Assessment equips educators with the knowledge and skills necessary to support every student's mathematical growth while fostering a classroom environment that values diversity and inquiry-based learning.

Prerequisite: ECED 311 with a grade of C or higher.

ECED 409 Professionalism Seminar (2)

EDUCATION

Engage in a professional learning community with other students engaged in their student teaching experience. Together the group will reflect on their experiences, identify areas for growth, and write a professional growth plan. Additional topics include professional ethics, and the use of data in planning instruction.

Prerequisite: ECED 430 and ECED 497 with a grade of C or higher.

ECED 410 Leadership and Collaboration Seminar (2)

EDUCATION

Explore and reflect on the skills necessary to be a teacher-leader. Topics include collaborating effectively with paraeducators; building reciprocal relationships with families, and advocating for student needs.

Prerequisite: ECED 409 and ECED 498 with grade of C or higher.

8 Course Descriptions

ECED 411 Leadership Seminar (2)

EDUCATION

Explore and reflect on the skills necessary to be a teacher-leader. Topics include: collaborating effectively with paraeducators, building reciprocal relationships with families, and advocating for student needs.

Prerequisite: None.

ECED 430 Classroom Management (3)

EDUCATION

Provides the knowledge and skills necessary to implement strategies for managing classrooms, fostering positive relationships with students and families, and creating a safe and inclusive atmosphere for learning. Explore various classroom management techniques and develop the expertise needed to engage learners effectively while promoting self-direction and cooperation.

Prerequisite: ECED 460 with a grade of C or higher.

ECED 446 Bilingual Education: Theory and Practice (4)

EDUCATION

Designed to equip participants with the knowledge and skills needed to effectively implement bilingual education strategies in diverse classroom settings. Bilingual Education focuses on creating inclusive learning environments that support students with varying language skills and learning needs. Explore the principles, strategies, and best practices for modifying instruction to ensure language comprehensibility, relevance, accessibility, and challenge for students with a wide range of language skills. Also learn how to make provisions for students with diverse learning needs, including pacing, task adaptation, and assessment accommodations.

Prerequisite: ECED 402 with a grade of C or higher.

ECED 460 Interdisciplinary Planning (2)

EDUCATION

Empowers participants with the skills and knowledge needed to design dynamic and engaging learning experiences that foster critical thinking, creativity, responsible technology use, and cultural responsiveness. Explore innovative approaches to curriculum design and develop interdisciplinary projects that encourage students to analyze complex issues, apply content knowledge to real-world problems, and question assumptions. Use knowledge taught about STI in previous courses, combined with the resources provided by OSPI, to create and implement authentic, culturally relevant lessons for students.

Prerequisite: ECED 399, ECED 446, and ECED 480, with a grade of C or higher.

ECED 461 Content Teaching (4)

EDUCATION

Develop the essential knowledge and skills needed to create effective and inclusive instructional plans tailored to the content areas of Science, Social Studies, Art and Health/Physical Education. Includes the ability to design developmentally appropriate curriculum that aligns with learning standards in each of these content areas and consider individual learners' strengths, interests, and needs.

Prerequisite: ECED 480 and ECED 446 with a C or higher.

ECED 480 Science of Reading Methods (4)

EDUCATION

A comprehensive literacy course designed to equip participants with the knowledge and skills needed to effectively teach reading to a diverse range of learners. Whether working with monolingual or multilingual students, it will empower educators to create inclusive and culturally responsive reading lessons that align with both Common Core English Language Arts Standards and dual language instruction standards. Focuses on the Science of Reading Methods instruction in phonemic awareness, phonics, fluency, vocabulary, and comprehension.

Prerequisite: ECED 402 with a grade of C or higher.

ECED 497 Student Teaching I (2)

EDUCATION

First course of a three-course series where students demonstrate the InTASC standards in a Preschool-3rd grade classroom. Work with a mentor teacher and gradually assume control of the classroom and the instructional plans. Work with the mentor teacher to create classroom norms and routines that facilitate learning.

Prerequisite: ECED 460 with a grade of C or higher.

ECED 498 Student Teaching II (6)

EDUCATION

Second course of a three-course series where students demonstrate the InTASC standards in a Preschool-3rd grade classroom. Work with a mentor teacher and gradually assume control of the classroom and the instructional plans. Work with the mentor teacher to design and implement instructional plans. Students will eventually take responsibility for leading the class.

Prerequisite: ECED 430 and ECED 497 with a grade of C or higher.

ECED 499 Student Teaching III (10)

EDUCATION

Final course of a three-course series where students demonstrate all 10 InTASC standards in a Preschool-3rd grade classroom. Continue to work with a mentor teacher as you develop and demonstrate teaching competence. Students will take responsibility for leading the Preschool-3rd grade classroom.

Prerequisite: ECED 409 and ECED 498 with grade of C or higher.

ECON 101 Introduction to Economics (5)

SOCIAL SCIENCES

Introduction to the basic principles of economics for the non-major. Areas covered include scarcity and choice, incentives, supply and demand, economic growth, unemployment, inflation, the role of government, and utility maximization (as it relates to the human pursuit of happiness and satisfaction).

Prerequisite: ENGL& 101 with a grade of C or higher.

ECON 104 Introduction to Economic Geography (5)

SOCIAL SCIENCES

An analysis of the impact of depletable and renewable natural resources on the economic development of regional and world economies. Topics of discussion include pollution, conservation, environmental valuation, market failure and environmental policies to remedy misallocations of resources.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

8 Course Descriptions

ECON 150 Consumer Economics (5)

SOCIAL SCIENCES

Designed for students who desire a general overview of economic principles as they relate to personal finance. Supply and demand, inflation, money and banking, interest, savings, investments, credit, estate planning and other consumer-related topics are presented. Not recommended for business majors.

Prerequisite: None.

ECON& 201 Micro Economics (5)

SOCIAL SCIENCES

A comprehensive introduction to the functions of the market system including allocation of scarce resources, production of goods and services, determination of prices, output and profit maximization in competitive and monopolistic markets. Required for business majors planning to transfer to 4 year business programs.

Prerequisite: ENGL& 101 with a grade of "C" or higher; and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

ECON& 202 Macro Economics (5)

SOCIAL SCIENCES

A comprehensive introduction to the structure of the American economy as compared to other economic structures, supply and demand, GDP, inflation, monetary policy, money and banking, taxation, economic growth, international exchange and comparisons of classical, Keynesian and monetarist economic philosophies are presented. Required for business majors planning to transfer to 4-year business programs.

Prerequisite: ENGL& 101 with a grade of "C" or higher; and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

ECON 299 Learning into Action (1-15)

SOCIAL SCIENCES

Provides business students with the opportunity to design and perform a curriculum related, independent project which develops business skills and explores career options. An LIA project may take a variety of forms such as an internship with a local business, travel abroad, original research or other projects as approved by the LIA coordinator. Faculty sponsorship is required. Students with 45 transferable college credits are eligible to participate in an LIA.

Prerequisite: None.

ECON 310 Economics for Managers (5)

SOCIAL SCIENCES

Investigate how fundamental economic concepts such as demand and supply, market structure, tradeoffs and external costs guide managerial decisions. Debate the role of government in managing the economy and research how interactions between political and economic choices impact consumer and organizational choices.

Prerequisite: Admission to BASM program and department chair permission.

EDUC 101 Paraeducator Basics (3)

EDUCATION

Introduction to roles and responsibilities of the Paraeducator in the K-12 educational system. Explore techniques supporting instruction, professional and ethical practices, positive and safe learning environments, effective communication, and teamwork. Student will work or volunteer 2 hours each week in a K-12 setting.

Prerequisite: None.

EDUC& 115 Child Development (5)

EDUCATION

Build foundation for explaining how children develop in all domains, conception through early adolescence. Explore various developmental theories, methods for documenting growth, and impact of brain development. Topics addressed: stress, trauma, culture, race, gender identity, socioeconomic status, family status, language, and health issues.

Prerequisite: None.

EDUC& 122 Child Development II (5)

EDUCATION

Survey of the development of children from middle childhood through adolescence. Includes social, emotional, physical, motor, intellectual, moral and language characteristics. History, philosophy and theories of development applied to current educational settings.

Prerequisite: EDUC& 115 or department chair permission.

EDUC& 130 Guiding Behavior (3)

EDUCATION

Examine the principles and theories for creating safe learning environments. Develop skills that promote effective interactions and provide positive individual guidance. Student will spend two hours a week working or volunteering in a P-12 classroom.

Prerequisite: None.

EDUC& 136 School Age Care (3)

EDUCATION

Develop skills to provide developmentally appropriate and culturally relevant activities/care for children ages 5-12 in a variety of settings. Student will spend two hours each week working or volunteering in a school-age care facility.

Prerequisite: None.

EDUC& 150 Child, Family, and Community (3)

EDUCATION

Integrate the family and community contexts in which a child develops. Explore cultures and demographics of families in society, community resources, strategies for involving families in the education of their child, and tools for effective communication.

Prerequisite: None.

EDUC& 202 Introduction to Education (5)

EDUCATION

Introduction to the history, philosophy, principles, learning theories, issues, and trends of education. Includes observations of educational models and exploration of career paths.

Prerequisite: None.

EDUC& 203 Exceptional Child (3)

EDUCATION

Introduction to the categories of special needs and the rules and regulations concerning special education and related services. Overview of the issues and techniques, current trends, and classroom approaches for maximizing the development of children with special needs.

Prerequisite: None.

EDUC 211 Diversity in Education (3)

EDUCATION

Overview of diversity in education including culture, ethnicity, family structure, socio-economics and educational philosophy.

Prerequisite: None.

8 Course Descriptions

EDUC 223 Practicum and Seminar (5)

EDUCATION

Practical application of education coursework in the K-3 classroom setting. Attend a weekly seminar and work with children in a public or private school setting under the direct supervision of a certified/licensed staff member or teacher. Experiences will include supporting and assisting in instructional and other services to children, youth and their families.

Prerequisite: Department chair permission.

EDUC 246 Working with Bilingual Children (3)

EDUCATION

Focuses on effectively meeting the learning needs of children whose first language is not English. Student will work or volunteer two hours each week in a classroom with multilingual learners.

Prerequisite: None.

EDUC 260 Instructional Technology (3)

EDUCATION

Interactive hands-on approach to learning different software programs for use in educational technology and its application in today's classroom. Emphasis is on utilizing TS GOLD to assess and document developmental growth and learning.

Prerequisite: None.

EDUC 299 Learning into Action (1-15)

EDUCATION

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

EDUC 303 Individual Learning Differences (5)

EDUCATION

Focuses on understanding and addressing the diverse needs of learners in educational settings. Equips students with the knowledge and skills to support each learner's development by recognizing their unique strengths and needs, implementing appropriate provisions, designing effective instructional strategies, distinguishing typical language development from special education needs, and understanding relevant laws and regulations pertaining to learners' rights and teacher responsibilities.

Prerequisite: Admissions in the ECE BAS program; and 240 score on WEST-B or ECED 280 and ECED 284 with a grade of C or higher; and English 101, CMST& 210 or 220, EDUC& 150, EDUC& 115, and EDUC& 130 with a grade of B- or higher.

EDUC 315 Early Childhood Development (5)

EDUCATION

Delves into the intricate process of learning in children ages three to eight, focusing on various aspects such as neuroplasticity, knowledge construction, skill acquisition, and the development of disciplined thinking processes. Explores the profound influence of cognitive, linguistic, social, emotional, and physical development on the learning journey of young learners. Through a comprehensive examination of developmental frameworks, learn how to identify and assess the readiness of children for different types of learning experiences based on observation data.

Prerequisite: Admissions in the ECE BAS program; and 240 score on WEST-B or ECED 280 and ECED 284 with a grade of C or higher; and English 101, CMST& 210 or 220, EDUC& 150, EDUC& 115, and EDUC& 130 with a grade of B- or higher.

ELA 010 ELA Orientation (1-8)

BASIC EDUCATION FOR ADULTS

Orientation for English language learners to the Adult ELA program and college resources and services. Through educational interviewing and CASAS assessment students are supported in identifying educational and career goals and in appropriate course registration.

Prerequisite: None.

ELA 011 ELA Level 1 (Beginning ELA Literacy) (1-15)

BASIC EDUCATION FOR ADULTS

ELA Level 1 (Beginning ELA Literacy) Students improve English listening, speaking, reading, writing and comprehension with a goal to develop college and career readiness skills.

Prerequisite: None.

ELA 012 ELA Level 2 (Beginning ELA) (1-15)

BASIC EDUCATION FOR ADULTS

ELA Level 2 (Beginning ELA) Students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills.

Prerequisite: ELA 011 with a "P" (or placement into ELA 012).

ELA 013 ELA Level 3 (Low Intermediate ELA) (1-15)

BASIC EDUCATION FOR ADULTS

ESL Level 3 (Low Intermediate ESL) Students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills.

Prerequisite: ELA 012 with a P (or placement into ELA 013).

ELA 014 ELA Level 4 (High Intermediate ESL) (1-15)

BASIC EDUCATION FOR ADULTS

ELA Level 4 (High Intermediate ESL). Students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills.

Prerequisite: ELA 013 with a P (or placement into ELA 014).

ELA 015 ELA Level 5 (Low Advanced ESL) (1-15)

BASIC EDUCATION FOR ADULTS

ELA Level 5 (Low Advanced ELA). Students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to On Ramp.

Prerequisite: ELA 014 with a P (or placement into ELA 015).

8 Course Descriptions

ELA 018 ELA College Transition (6)

BASIC EDUCATION FOR ADULTS

In this course, students will be introduced to college and career pathways. Students will explore different kinds of discourses. Students will acquire contextualized English language skills. Students will learn about the United States higher education system and identify college resources and support services, culminating in designing a life and education plan that reflects their college, career, and personal goals. Students will receive study skills instruction contextualized to co-enrolled courses.

Prerequisite: Receive a "P" grade in ELA 015/ESOL 053 (or placement into ELA 018 or ELA 095) with concurrent enrollment in ELA 034 and ELA 045.

ELA 020 English for Special Purposes (1-10)

BASIC EDUCATION FOR ADULTS

Special topics support English speaking, listening, reading and writing skills for English language learners. Topics may include areas of academic interest, career exploration, and/or civics.

Prerequisite: None.

ELA 021 ELA General Instruction I (1-16)

BASIC EDUCATION FOR ADULTS

The first course in a three course series for improving English Language skills in listening, speaking, reading, writing, and math. Coursework may be contextualized in social science, science, or humanities topics.

Prerequisite: None.

ELA 022 ELA General Instruction II (1-16)

BASIC EDUCATION FOR ADULTS

Second in a series of three courses to improve English skills in listening, speaking, reading, writing, and math toward transition into high school equivalency, IBEST, and/or college coursework. Course work may be contextualized in social science, science, or humanities topics.

Prerequisite: None.

ELA 023 ELA General Instruction III (1-16)

BASIC EDUCATION FOR ADULTS

The third in a series of three courses to improve English skills in listening, speaking, reading, writing and math to prepare for transition to high school completion, I-BEST, college programs or employment. Coursework may be contextualized in social science, science, or humanities topics.

Prerequisite: None.

ELA 024 Computer Basics (1-5)

BASIC EDUCATION FOR ADULTS

Introduction to basic computer skills for ELA students who are novice computer users. Through a hands-on approach, the students will understand common computer terms, develop navigation skills with the keyboard and mouse, manage electronic files, send and receive e-mail, locate information on the internet, and explore e-learning tools. English language skills (reading, writing, listening, and speaking) will be taught in the context of using a personal computer.

Prerequisite: None.

ELA 025 Digital Literacy (1-5)

BASIC EDUCATION FOR ADULTS

This course covers skills and knowledge needed to effectively use technology for college and career success.

Prerequisite: CCB/ELA 24 with a C or higher (or instructor permission) and be able to communicate through the MySVC email account and use basic features in text editors.

ELA 033 Speaking and Listening I (5)

BASIC EDUCATION FOR ADULTS

A course for English Language Acquisition students with an emphasis on developing speaking fluency, listening, and pronunciation skills. Use correct word stress in sentences. Demonstrate ability to comprehend, pronounce, and define academically appropriate vocabulary. Pronounce syllables and vowel reduction. Develop vowel, consonant, and consonant blends pronunciation.

Prerequisite: Placement into ELA 11, 12, or 13.

ELA 034 ELA College Transition Speaking and Listening (3)

BASIC EDUCATION FOR ADULTS

A course for English Language Acquisition students with an emphasis on developing speaking fluency, listening, and pronunciation skills contextualized with ELA 18 College Transition course content.

Prerequisite: Receive a "P" grade in ELA 015/ESOL 053 (or placement into ELA 018 or ELA 095) with concurrent enrollment in ELA 018 and ELA 045.

ELA 035 Speaking and Listening II (4)

BASIC EDUCATION FOR ADULTS

A course for English Language Acquisition students with an emphasis on developing speaking fluency, listening, and pronunciation. This prepares students for College and Career Bridge classes. Speak for understanding and clarity through peer interviews, group discussions, and presentations. Demonstrate ability to comprehend, pronounce, and define academically appropriate vocabulary. Participate actively in class and group discussions. Demonstrate academic listening comprehension by identifying main ideas and answering questions about text.

Prerequisite: Receive a "P" grade in ELA 013 (or placement into ELA 014, ESOL 041/042/043, ELA 015, ESOL 051/052/053, ELA 018, ELA 095, CCB 095, CCB 096, or CCB 097).

ELA 043 ELA Grammar I (5)

BASIC EDUCATION FOR ADULTS

This course covers topics in English grammar.

Prerequisite: Receive a "P" grade in ELA 013 (or placement into ELA 014, ESOL 041/042/043, ELA 015, ESOL 051/052/053, ELA 018, ELA 095, CCB 095, CCB 096, or CCB 097).

ELA 044 ELA Grammar II (5)

BASIC EDUCATION FOR ADULTS

This course explores topics in English grammar.

Prerequisite: Completion of ELA 013 with a P grade OR appropriate CASAS score OR Instructor permission.

ELA 045 ELA College Transition Grammar (1-5)

BASIC EDUCATION FOR ADULTS

A course for English Language Acquisition students with an emphasis on developing English grammar skills contextualized with ELA 18 College Transition course content.

Prerequisite: Receive a "P" grade in ELA 015/ESOL 053 (or placement into ELA 018 or ELA 095) with concurrent enrollment in ELA 018 and ELA 034.

8 Course Descriptions

ELA 050 Connect I: Reading and Writing (9)

BASIC EDUCATION FOR ADULTS

ELA students with clearly defined academic goals will take an intensive course for English language learners with an emphasis on sentence structure, academic vocabulary development, grammar skills, and reading strategies that will prepare students for ELA 60.

Prerequisite: CASAS and CaMLA testing and permission of ELA and EAP department chairs.

ELA 055 Connect I: Listening and Speaking (9)

BASIC EDUCATION FOR ADULTS

ELA students with clearly defined academic goals will take an intensive course for English language learners with an emphasis on communication skills that will prepare students for ELA 65.

Prerequisite: CASAS and CaMLA testing and permission of ELA and EAP department chairs.

ELA 060 Connect II: Reading and Writing (9)

BASIC EDUCATION FOR ADULTS

ELA students with clearly defined academic goals will take an intensive course for English language learners with an emphasis on paragraph structure, academic vocabulary development, grammar skills, and reading strategies that will prepare students for ELA 70.

Prerequisite: CASAS and CaMLA testing, B- (80%) or higher in ELA 50, and/or permission of ELA and EAP department chairs.

ELA 064 ELA Grammar I (1-5)

BASIC EDUCATION FOR ADULTS

This course covers topics in English grammar.

Prerequisite: Completion of ELA 013 or appropriate CASAS score or Instructor permission.

ELA 065 Connect II: Listening and Speaking (9)

BASIC EDUCATION FOR ADULTS

ELA students with clearly defined academic goals will take an intensive course for English language learners with an emphasis on communication skills that will prepare students for ELA 75.

Prerequisite: CASAS and CaMLA testing, B- (80%) or higher in ELA 055, or permission of ELA and EAP department chairs.

ELA 066 Grammar III (1-5)

BASIC EDUCATION FOR ADULTS

This course explores topics in English grammar.

Prerequisite: Successful completion of ELA 013 or appropriate CASAS score.

ELA 070 Connect III: Reading and Writing (9)

BASIC EDUCATION FOR ADULTS

ELA students with clearly defined academic goals will take an intensive course for English language learners with an emphasis on basic essay structure, academic vocabulary development, grammar skills, and reading strategies that will prepare students for ELA 97.

Prerequisite: CASAS and CaMLA testing, B- (80%) or higher in ELA 060, or permission of ELA and EAP department chairs

ELA 075 Connect III: Listening and Speaking (9)

BASIC EDUCATION FOR ADULTS

ELA students with clearly defined academic goals will take an intensive course for English language learners with an emphasis on communication skills.

Prerequisite: CASAS and CaMLA testing, B- (80%) or higher in ELA 065, or permission of ELA and EAP department chairs.

ELA 095 Transitional Reading and Writing (10)

BASIC EDUCATION FOR ADULTS

Examine habits, attitudes, and thought processes that lead to academic and professional success. Improve academic confidence through building critical thinking, writing, and reading skills, as well as digital literacy.

Prerequisite: Receive a P grade in ELA 015/ESOL 053 (or placement into ELA 095).

ELA 097 Bridge I: Composition (5)

BASIC EDUCATION FOR ADULTS

ELA students with clearly defined academic goals who are preparing for academic and university transfer studies will take a semi-intensive course for English language learners with an emphasis on academic composition and grammar skills that will prepare students for ELA 98.

Prerequisite: CASAS and CaMLA testing, B- (80%) or higher in ELA 70, or permission of ELA and EAP department chairs.

ELA 098 Bridge II: Composition (5)

BASIC EDUCATION FOR ADULTS

ELA students with clearly defined academic goals will take a semi-intensive course for English language learners with an emphasis on academic composition and grammar skills that will prepare students for English 99.

Prerequisite: CASAS and CaMLA testing, B- (80%) or higher in ELA 097, or permission of ELA and EAP department chairs.

EMS 242 Basic Emergency Medical Technician (12)

PUBLIC SERVICE AND SOCIAL SCIENCE

Training for the EMT-Basic level per National Standards Curriculum and abiding by the laws of the Washington State. Learn to recognize, assess and treat medical and trauma related emergencies at the basic life support level. Preparation for National Registry EMT certification testing and includes the National Registry Emergency Medical Technician certification practical examination for EMT-Basic.

Prerequisite: In accordance with Washington State Law, must be at least 17 years of age at course start.

EMS 243 Enhanced Emergency Medical Technician – Basic (15)

PUBLIC SERVICE AND SOCIAL SCIENCE

Training for the EMT-Basic level per National Standards Curriculum, Washington State Department of Health regulation, and Skagit County EMS protocol. Learn to recognize, assess, and treat medical and trauma-related emergencies at the basic life support level. Master field skills for placement in responding EMS companies. Preparation for National Registry EMT certification testing and includes the National Registry Emergency Medical Technician certification practical examination for EMT-Basic.

Prerequisite: In accordance with Washington State Law, must be at least 17 years of age at course start.

8 Course Descriptions

EMS 246 Wilderness EMT (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

For EMTs who need to acquire wilderness emergency medical skills and knowledge to be certified as Wilderness EMTs. Learn to provide patient care using improvised equipment.

Prerequisite: EMS 242 or EMT-B certification.

EMS 247 Basic Emergency Medical Technician, Part I (6)

PUBLIC SERVICE AND SOCIAL SCIENCE

Training for the EMT-Basic level per National Standards Curriculum and abiding by the laws of Washington State. Learn to recognize, assess, and treat medical and trauma-related emergencies at the basic life support level. Preparation for National Registry EMT certification testing.

Prerequisite: In accordance with Washington State Law, must be at least 17 years of age at course start.

EMS 248 Basic Emergency Medical Technician, Part II (6)

PUBLIC SERVICE AND SOCIAL SCIENCE

Training for the EMT-Basic level per National Standards Curriculum and abiding by the laws of the Washington State. Learn to recognize, assess and treat medical and trauma related emergencies at the basic life support level. Preparation for National Registry EMT certification testing and includes the National Registry Emergency Medical Technician certification practical examination for EMT-Basic.

Prerequisite: EMS 247 with a grade of C or higher.

ENGL 092 Basic Writing Foundation (1-10)

HUMANITIES

Introduction to expressing ideas on paper and understanding basic grammar. (Variable credit, 1-10)

Prerequisite: None.

ENGL 095 Transitional Reading and Writing (10)

HUMANITIES

Examine habits, attitudes, and thought processes that lead to academic and professional success. Improve academic confidence through building critical thinking, writing, and reading skills, as well as digital literacy.

Prerequisite: CASAS Reading GOALS score of 217-227 or Accuplacer NextGen Reading Score 200-226.

ENGL 096 English Foundations (5)

HUMANITIES

This course covers grammar, reading, writing, technology, and communication skills that help guarantee students will be successful in their college-level English classes.

Prerequisite: ENGL 95 or CCB 95 or ELA 95 with a C or higher or placement into ENGL 96.
Prerequisite/Corequisite: CSS 103 or BUS 101 or concurrent enrollment. Students enrolling in this course should possess typing and computer skills.

ENGL 097 College Prep English (10)

HUMANITIES

Improve academic skills and confidence through mastering critical thinking, writing, and reading skills. Identify and implement habits, attitudes, and thought processes that lead to academic and professional success.

Prerequisite: CCB 96 with a C or higher (or placement into ENGL 97). *Prerequisite/Corequisite:* CSS 103 with a C or higher. Students enrolling in this course should possess typing and computer skills.

ENGL 098 Integrated Reading and Writing (10)

HUMANITIES

Students will develop reading and writing skills needed for success in college level courses through integrated assignments and intensive practice.

Prerequisite: None.

ENGL 099 Basic Composition (5)

HUMANITIES

The study of fundamentals of grammar, syntax, and composition leading to the construction of effective sentences, paragraphs, and essays.

Prerequisite: Grade of 2.0 or higher in ENGL 97, or AESL 98, or appropriate test score and concurrent enrollment or completion of CSS 103.

ENGL& 101 English Composition I (5)

HUMANITIES

The study of fundamental writing skills and varied writing strategies leading to the planning, organizing, writing, and revising of academic essays.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

ENGL& 102 Composition II (5)

HUMANITIES

The planning, researching, and writing of a substantial academic paper based on a clearly stated thesis and using a variety of scholarly sources.

Prerequisite: ENGL& 101 with a "C" or higher.

ENGL 103 Advanced Composition (5)

HUMANITIES

The advanced study of and practice in writing within academic contexts. Includes the planning, researching, writing, and revising of academic essays and the integration of appropriate scholarly sources.

Prerequisite: ENGL& 101 with a "C" or higher.

ENGL& 111 Introduction to Literature (5)

HUMANITIES

Course focuses on the process of reading, analyzing, and writing critical responses to a variety of literary texts from at least three different genres-with emphasis on cultural context.

Prerequisite: ENGL& 101 with a "C" or higher.

ENGL& 112 Introduction to Fiction (5)

HUMANITIES

The study of the formal strategies of novels and shorter fictional works. Course includes written and oral analysis of selected works.

Prerequisite: ENGL& 101 with a "C" or higher.

ENGL& 113 Introduction to Poetry (5)

HUMANITIES

The study of the formal strategies of poetry. Course includes written and oral analysis of selected works.

Prerequisite: ENGL& 101 with a "C" or higher.

ENGL 115 Introduction to Film (5)

HUMANITIES

A survey of the history of film and the development of cinematic technique. Course includes written and oral analysis of selected works.

Prerequisite: ENGL& 101 with a "C" or higher.

8 Course Descriptions

ENGL 120 Introduction to Children's Literature (5)

HUMANITIES

An exploration of literature written for children including fairytales, picture books, myths, poetry and fiction for preschool and school age children and adolescents. Readings will include works from cultures from throughout the world.

Prerequisite: None.

ENGL 170 Professional and Technical Communication (3)

HUMANITIES

English 170 is the study of fundamental composition skills and writing strategies commonly used in employment situations. By the end of the quarter, students will have written and revised a number of writing assignments, including but not limited to memoranda, letters of inquiry and response, summaries, technical descriptions, instructions, and business proposals.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL 101).

ENGL& 220 Introduction to Shakespeare (5)

HUMANITIES

An introductory survey course that explores the plays of William Shakespeare from literary and historical perspectives.

Prerequisite: ENGL& 101 with a "C" or higher.

ENGL& 235 Technical Writing (5)

HUMANITIES

Introduction to and practice in planning, researching, and writing clear and concise technical reports of at least 1,250 words, progress reports, proposals, letters of applications and transmittal, and resumes.

Prerequisite: ENGL& 101 with a "C" or higher.

ENGL& 236 Creative Writing I (5)

HUMANITIES

Helps to develop skills in writing fiction, creative nonfiction, or poetry (emphasis to be determined by instructor). Students will read and discuss works by professional authors, compose original works, and participate in peer workshops.

Prerequisite: ENGL& 101 with a "C" or higher.

ENGL 239 Introduction to U.S. Latino Literature (5)

HUMANITIES

This course focuses on the reading, analyzing, and writing critical responses to literary works by U.S. Latinos, with an emphasis on writers of Mexican descent. Particular attention will be paid to the roles that history and culture play in the formation of works of fiction, poetry, non-fiction and drama. Knowledge of Spanish is not required.

Prerequisite: ENGL& 101 with a "C" or higher.

ENGL 250 Introduction to American Literature (5)

HUMANITIES

This course introduces analysis and interpretation of a diverse selection of works of American literature from several major movements and time periods, with an emphasis on interpreting the works in cultural context.

Prerequisite: ENGL& 101 with a "C" or higher.

ENGL& 254 World Literature I (5)

HUMANITIES

A study of literary tradition and techniques outside of America, including literature in translation. May be organized around specific genres, themes, regions or time periods. Includes written and oral analysis of different genres, including fiction, nonfiction, drama, and poetry.

Prerequisite: ENGL& 101 with a "C" or higher.

ENGL 261 Integrative Seminar (1)

HUMANITIES

Students explore the ways in which the culture of a particular time and place influences and is influenced by the literature of that time and place.

Prerequisite: None.

ENGL 283 British Literature 19th and 20th Centuries (5)

HUMANITIES

Course introduces analysis and interpretation of 19th and 20th century British literature in cultural context.

Prerequisite: ENGL& 101 with a "C" or higher.

ENGL 295 English Integrative Experience Seminar (2)

HUMANITIES

An Integrative Experience emphasizing an interdisciplinary approach to current issues in English, including the societal context of English and technology, and/or the ethical, political, and cultural aspects of English.

Prerequisite: None.

ENGL 299 Learning into Action (3)

HUMANITIES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

ENGL 324 Advanced Writing in Science (5)

HUMANITIES

Focuses on the skills necessary to write in the natural sciences. Problems common to all technical writing will be discussed. Develop effective ways to describe equipment, processes and procedures; to classify, analyze, and present information; explain principles, laws, and concepts. Intensive peer review is a strong component. The course includes a significant research component.

Prerequisite: Admission to BASEC or Department Chair permission.

ENGR 100 Engineering Orientation (2)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Introduction to the engineering disciplines and career paths. Specific topics include plans of study for an engineering major, academic study strategies for engineering courses, degree and transfer options, and engineering ethics.

Prerequisite: None.

8 Course Descriptions

ENGR& 104 Introduction to Engineering and Design (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

An introduction to the engineering profession. Topics include engineering education, ABET accreditation, engineering disciplines, current career opportunities, soft- and hard-skills, the design process, and engineering ethics. Specific attention is given to the engineering pathways provided at Skagit Valley College, the courses offered, and how they apply to each engineering discipline. Small projects highlight skills that are refined in future courses, explore student interests, and assist with pathway selection.

Prerequisite: MATH 099 with a grade of C or higher (or concurrent enrollment).

ENGR& 114 Engineering Graphics (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

An introduction to graphical communication of two- and three-dimensional product data during the design and development process. Topics include freehand drafting to develop spatial skills, an overview of the design and development process, design for manufacturability, parametric solid and surface modeling, assemblies, manufacturing drawings (e.g., views; geometric dimensioning and tolerancing; etc.), and pre- (e.g., FEA) and post-manufacturing (e.g., metrology) analysis.

Prerequisite: MATH 098 with a grade of C or higher (or placement into MATH 099).

ENGR 119 Engineering Mathematics Preparation (2)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Additional exposure to various mathematical concepts (e.g., differentiation; integration; vector calculus; etc.) and how they apply within an engineering context. Intended as an additional pathway through the upper-division engineering curriculum for students that do not quite meet certain course prerequisites.

Prerequisite: MATH& 151 with a grade of C or higher (or concurrent enrollment).

ENGR 170 Fundamentals of Materials Science (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

An introduction to materials science. Explores the relationship between material processing, structure, properties, and manufactured product performance. Topics include metallic, ceramic, and polymeric materials; multiphase systems; amorphous and crystalline microstructures; and their relationship with thermal, optical, electrical, chemical, and mechanical properties. Other topics include: phase equilibrium, heat treatments, strengthening and failure mechanisms, etc.

Prerequisite: CHEM& 161 with a grade of C or higher or concurrent enrollment.

ENGR 199 Cooperative Education Experience (1-15)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Work experience related to career interests in the field. Instructor permission required.

Prerequisite: None.

ENGR& 204 Electrical Circuits (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

An introduction to the electrical engineering profession through the design and analysis of linear circuits. Topics include modeling circuit response via voltage and current; mathematical descriptions of common circuit elements (e.g., independent/dependent sources; resistors; capacitors; inductors; etc.); constructing circuits using these elements (e.g., R; RC; RL; RLC); and predicting circuit response. Other topics include operational amplifiers and sinusoidal steady-state analysis. Includes a laboratory component.

Prerequisite: PHYS& 243 with a grade of C or higher; and MATH 238 with a grade of C or higher (or concurrent enrollment).

ENGR& 214 Statics (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Non-deformable, rigid body mechanics applied to structures that are at rest or move with constant velocity. Introduces modeling positions, forces, and moments within structural components as vectors; static equilibrium; free body diagrams; internal forces (shear/moment diagrams); centroids and centers of gravity; moments of inertia; and friction. Emphasis given to practical applications and how the subject applies in industry.

Prerequisite: MATH& 151 with a grade of C or higher (or concurrent enrollment); and PHYS& 241 with a grade of C or higher (or concurrent enrollment).

ENGR& 215 Dynamics (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Non-deformable, rigid body mechanics applied to structures that are accelerating. Expands on ENGR& 214 by introducing linear and angular velocity and acceleration of structural components as vectors. Geometric aspects of two- and three-dimensional motion for particles and structures treated using kinematics. Forces that cause this motion treated using kinetics and three different relationships: Newton's Second Law of Motion; Work/Energy; and Impulse/Momentum. Emphasis given to practical applications and how the subject applies in industry.

Prerequisite: ENGR& 214 with a grade of C or higher.

ENGR 216 Integrated CAD Design (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

CAD based analysis for engineering design focused on the application of motion, finite element analysis and CAD simulations to the engineering design process. Emphasis on communication of physical parameters and mechanical properties of designs in a virtual prototype environment.

Prerequisite: ENGR& 114 with a grade of C- or higher.

ENGR& 224 Thermodynamics (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Introduction to classical thermodynamics from an engineering perspective. Topics include system definition (e.g., open; closed), properties, and state; forms of energy and energy transfer mechanisms; development of the fundamental laws of thermodynamics; entropy and energy; transfer efficiency; and thermodynamic property relations. Specific applications include gas, vapor, and combined power cycles; refrigeration; and air conditioning.

Prerequisite: PHYS& 241 OR CHEM& 162 with grade of C or higher (or concurrent enrollment); AND MATH& 153 with grade of C or higher OR MATH& 152 with grade of C or higher (or concurrent enrollment) and concurrent enrollment in ENGR 119.

8 Course Descriptions

ENGR& 225 Mechanics of Materials (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

A continuation of ENGR& 214 applied to deformable structures. Focus is on relating external applied loads (e.g., axial; torsion; bending; transverse shear; combined; etc.) and a structure's material properties to the internal loads, deformations, strains, and stresses that result. Stress/strain transformations and failure theories introduced in the context of predicting structural failure. Other types of failure modes including buckling and fatigue briefly introduced. Emphasis given to practical applications (e.g., beam sizing/design) and how the subject applies in industry.

Prerequisite: ENGR& 214 with a grade of C or higher.

ENGR& 240 Engineering Computation (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

An introduction to engineering and scientific computing using a high-level, interpreted programming language (e.g., MATLAB; Python). Topics include modeling physical quantities using vectors and matrices; program architecture (e.g., logic; loops; functions); data pre- and postprocessing; and visualization. Specific applications include solutions of linear and nonlinear systems; regression and interpolation; numerical differentiation and integration; and solution of ordinary differential equations. Emphasis given to practical applications and how the subject applies in industry.

Prerequisite: MATH& 153 with a grade of C or higher (or concurrent enrollment with concurrent enrollment in ENGR 119).

ENGR 299 Learning into Action (1-15)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

ENGR 306 Materials for Design (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Explores the fundamentals of materials technology for product development, including how the structure and properties of materials influence the selection of primary materials. Apply the acquired materials knowledge to the current design project.

Prerequisite: Admission to BAS-AMD program and BAS-AMD Director permission.

ENGR 316 Applied Engineering Analysis for Manufacturing (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Introduction to the computational tools, methods, and practices used in the analysis of data related to engineering. Explore and evaluate data sets; solve technical problems using the principles of mathematics and statistics; review the fundamentals of programming using engineering software tools; and produce industry standard documentation to communicate analysis results.

Prerequisite: Admission to BASAMD program and department chair permission.

ENVC 101 Introduction to Watershed Management (5)

NATURAL SCIENCES

Introduction to natural resources management from the watershed perspective. Includes basic geologic processes related to aquatic systems, agencies and job opportunities involved in natural resource management, building quantitative thinking, spatial, and student success skills.

Prerequisite: MATH 097 with a grade of "C" or higher (or concurrent enrollment).

ENVC 102 Invertebrate Biology and Identification (4)

NATURAL SCIENCES

Natural history, biology, and taxonomy of common invertebrates including their natural history and biogeographic distribution.

Prerequisite: None.

ENVC 105 Emergency Incident Management System (3)

NATURAL SCIENCES

Introduction to Incident Management System and emergency operations. Satisfies training requirements for the National Incident Management System and ICS100/200.

Prerequisite: None.

ENVC 106 Soil Science and Conservation (5)

NATURAL SCIENCES

Introduction to soil science including physical, chemical, and biological properties of soils, soil-water interactions, soil management and conservation, and lab and field methods in soil science.

Prerequisite: None.

ENVC 112 Limnology (5)

NATURAL SCIENCES

Introduction to natural and human-induced processes that shape lake ecosystems. Quantitative and qualitative measuring techniques will be used to assess water quality, including biological integrity.

Prerequisite: None.

ENVC 122 Stream Ecology (5)

NATURAL SCIENCES

Introduction to physical, chemical and biological components of lotic systems and their anthropogenic impacts. Sampling techniques, lab procedures, water quality and stream habitat will be evaluated. Perform bioassessment. Exploration of global and cultural issues in relation to rivers.

Prerequisite: None.

ENVC 130 Environmental Interpretation (5)

NATURAL SCIENCES

Research presentation and communication styles through oral, visual, and audio-visual means of the history, geology, or natural history of an area, concept or species. Interpretation and discussion of ancient cultural archaeological sites and influences on the present.

Prerequisite: None.

8 Course Descriptions

ENVC 133 Facilities Maintenance Fundamentals (5)

NATURAL SCIENCES

Introduction to facilities maintenance including basic grounds maintenance, electrical, plumbing, and carpentry fundamentals. Includes sediment and erosion control measures for construction sites.

Prerequisite: None.

ENVC 140 Plants of Western Washington (5)

NATURAL SCIENCES

Collection, identification, and plant community grouping of local and regional gymnosperms and angiosperms. Identify invasive species.

Prerequisite: None.

ENVC 165 Sustainability Fundamentals (5)

NATURAL SCIENCES

Introduction to understanding sustainability principles in human societies. Evaluate how sustainability principles can be applied to urbanization, agriculture and the business world in light of climate change. Solutions will be explored in renewable energy, water resources, transportation, and globalization in the light of environmental economics.

Prerequisite: None.

ENVC 199 ENVC Cooperative Education (1-15)

NATURAL SCIENCES

Supervised work experience in the field. Includes a weekly seminar.

Prerequisite: Instructor permission required.

ENVC 201 Watershed Restoration (5)

NATURAL SCIENCES

Techniques and ecological context for restoration and its application in the conservation of biodiversity. Covers state and federal laws pertaining to ecological field work and potential funding sources. Evaluation of social and economic impact of restoration to diverse groups of people. Includes methods in biological engineering.

Prerequisite: None.

ENVC 202 Wildlife Biology (5)

NATURAL SCIENCES

Concepts in wildlife management and biology. Identify wildlife management perspectives and constraints in relation to different cultural and social values. Includes relationships between land use patterns and responses by wildlife populations, and wildlife management with climate change challenges. Lab included.

Prerequisite: None.

ENVC 210 Fish Biology and Ecology (5)

NATURAL SCIENCES

Classification, biology, physiology, evolution, and ecology of representative North American fish.

Prerequisite: None.

ENVC 211 Ecological Sampling and Monitoring Design (4)

NATURAL SCIENCES

Introduction to ecological sampling methods. Conduct ecological sampling to answer a question relevant to natural resources management including conception, design, and data collection.

Prerequisite: None.

ENVC 212 Fluid Flow Laboratory (2)

NATURAL SCIENCES

Focuses on the use of approved methods for collection, testing and reporting of results of samples taken to obtain data for submission to state and federal regulatory agencies. Use of appropriate methods for collection, testing and reporting of results of effluent samples used to control operation of Water and Wastewater Treatment plants.

Prerequisite: Either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

ENVC 220 Wetlands in Managed Landscapes (4)

NATURAL SCIENCES

General overview of wetland ecology, management, and classification. Field observations are a major component.

Prerequisite: None.

ENVC 221 Ecology of Ecosystem Edges/Ecotones (3)

NATURAL SCIENCES

Importance of ecotones between freshwater systems and upland areas. Essential biological processes shaping ecological properties of ecotones at various scales of time and space. Students must conduct research and give a short seminar.

Prerequisite: ENVC 101 and ENVC 202 with a "C" or higher.

ENVC 222 Field Project (3)

NATURAL SCIENCES

Continuation of ENVC 211. Finish ecological sampling projects by analyzing, interpreting, and reporting results.

Prerequisite: ENVC 211 with a C or higher.

ENVC 225 Current Issues in Ecology (2)

NATURAL SCIENCES

A current topic of ecology will be examined through guest speakers combined with literature research and seminar presentations.

Prerequisite: ENVC 101 or 112 or BIOL& 221 or 241 or CHEM& 161 or 242 or PHYS& 241.

ENVC 226 Current Issues in Water Policy (2)

NATURAL SCIENCES

Current topics in U.S. water policies will be examined and evaluated. Water quality standards and the current regulatory environment will be of special interest.

Prerequisite: None.

ENVC 231 Introduction to Mammalogy (5)

NATURAL SCIENCES

Natural history, structure, identification, and classification of North American mammals.

Prerequisite: None.

ENVC 232 Bird Identification (5)

NATURAL SCIENCES

Natural history, biology, taxonomy, and identification of Pacific Northwest species.

Prerequisite: None.

ENVC 244 Salmon Ecology (3)

NATURAL SCIENCES

Ecology of the Pacific Northwest salmon and their importance to social and economic values.

Prerequisite: None.

8 Course Descriptions

ENVC 249 Introduction to Wastewater Technology (5)

NATURAL SCIENCES

Introduction to the practical aspects of operating and maintaining wastewater treatment plants. Learn to analyze and solve operational problems including mathematical calculations relating to wastewater treatment process control. Covers plant safety, good housekeeping, equipment maintenance, and laboratory procedures.

Prerequisite: Either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

ENVC 250 Introduction to Water Treatment (5)

NATURAL SCIENCES

Focuses on training water treatment operators in the practical aspects of operating and maintaining water treatment facilities. Includes water sources, reservoir management, infrastructure needs, and water safety.

Prerequisite: Either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

ENVC 302 Data Management (2)

NATURAL SCIENCES

Introduction to methods of data management: Getting data from the field to the computer, organizing and storing data, describing and interpreting data, and creating data visuals. Emphasis is given to the use of current industry-standard tools.

Prerequisite: Admission to BASEC or Department Chair permission.

ENVC 304 River Ecology and Watershed Management (5)

NATURAL SCIENCES

Watershed perspective to learn about rivers and streams with special emphasis on the Pacific Northwest coastal ecoregion. Topics include hydrology, hyporheic flow, geomorphology, stream classification, riparian ecology, and biogeochemical cycles. Development of watershed and ecosystem management at the appropriate spatial and temporal scales including adaptive management processes incorporating cultural values and philosophies allowing successful watershed management. Admission to BAS-EC or Department Chair permission required.

Prerequisite: GIS 101 with a C or higher; and Admission to BAS-EC, or department chair permission.

ENVC 310 Soil Ecology (5)

NATURAL SCIENCES

Overview of fundamental principles of soil science including soil physical, chemical, and biological properties and an in-depth exploration of soils as living systems including soil biodiversity, decomposition and organic matter dynamics, nutrient cycling, and soil food webs.

Prerequisite: Admission to BASEC or department chair permission.

ENVC 315 Limnology and Reservoir Ecology (5)

NATURAL SCIENCES

Structure and function of lakes, ponds, and reservoirs. Includes physical, chemical, and biological controls of productivity and species composition of aquatic flora and fauna, and effects of pollution on water quality.

Prerequisite: Admission to BASEC or department chair permission.

ENVC 320 Landscape Ecology (5)

NATURAL SCIENCES

The science and art of the relationships between spatial pattern and ecological processes across different spatial and temporal scales and levels of biological organization.

Prerequisite: Admission to BASEC or department chair permission.

ENVC 327 Advanced Wetland Ecology (5)

NATURAL SCIENCES

Covers wetland hydrology, biogeochemistry, and biological adaptations to wetland conditions. Including global wetland issues, wetlands and climate change, international management of wetlands, and human interface with wetland in different socio-economic settings. Also includes wetland delineation and wetland rating.

Prerequisite: Admission to BASEC or department chair permission.

ENVC 405 Behavioral Ecology (5)

NATURAL SCIENCES

Investigates the evolutionary and ecological behavioral adaptations of animals. Various taxonomic groups will be examined with an emphasis on vertebrate species as well as species of ecological and economic importance. Ecological behavior will be viewed in light of ecosystem management activities and conservation of biodiversity.

Prerequisite: Admission to BASEC or department chair permission.

ENVC 407 Forest Ecology (5)

NATURAL SCIENCES

Topics include forest ecology concepts as they relate to human management of forest resources, including forest roles in biogeochemical cycling, fire ecology, forest succession, and more. Field trips and forest data collection are major components. Use forest measurement data to answer forest management questions.

Prerequisite: Admission to BASEC or department chair permission.

ENVC 410 Conservation Biology (5)

NATURAL SCIENCES

Exploring the world's biological diversity including a wide range of species, complex ecosystems, and the genetic variation within species. Conservation biology is an interdisciplinary science that includes not only biological and ecological solutions, but also socio-economic aspects including Salish Sea indigenous perspectives. Includes ecological modeling.

Prerequisite: Admission to BASEC or department chair permission.

8 Course Descriptions

ENVC 412 Natural Resource Policy Analyses (5)

NATURAL SCIENCES

Evaluate and analyze a broad range of contemporary natural resource policies, case studies, and controversies using bioeconomic resource management models. Includes the indigenous history of the Salish Sea with emphasis on indigenous perspectives and practices relating to natural resources. Topics include wildlife and fisheries policies, forestry policies, tropical deforestation, water rights/management policies, endangered species and nature preservation, and sustainable development.

Prerequisite: Admission to BASEC or department chair permission.

ENVC 420 Estuarine and Nearshore Ecology (5)

NATURAL SCIENCES

Provide an integrated view of the ecological processes in estuaries and nearshore environments. Special emphasis will be on the Salish Sea and the Pacific Northwest coastal environments.

Prerequisite: Admission to BASEC or department chair permission.

ENVC 422 Culminating Project (5)

NATURAL SCIENCES

Capstone research project to be worked on in stages throughout the ENVC program. Conduct scientific research to answer a question relevant to natural resources management including conception and design, data collection and analysis, and reporting of results.

Prerequisite: Admission to BASEC or department chair permission.

ENVC 424 Applied Population and Community Ecology (5)

NATURAL SCIENCES

Introduction to the principles of population and community ecology, including population dynamics, species interactions, food webs, metapopulations and communities, ecological succession, and concepts of biological diversity.

Prerequisite: Admission to BASEC or department chair permission.

ENVC 451 Independent Study (1)

NATURAL SCIENCES

Special project as approved by instructor and department chair.

Prerequisite: None.

ENVC 452 Independent Study (2)

NATURAL SCIENCES

Special project as approved by instructor and department chair.

Prerequisite: None.

ENVC 453 Independent Study (3)

NATURAL SCIENCES

Special project as approved by instructor and department chair.

Prerequisite: None.

ENVC 454 Independent Study (4)

NATURAL SCIENCES

Special project as approved by instructor and department chair.

Prerequisite: None.

ENVC 455 Independent Study (5)

NATURAL SCIENCES

Special project as approved by instructor and department chair.

Prerequisite: None.

ENVC 499 Internship–Service Learning (3)

NATURAL SCIENCES

Supervised work experience in the field. Internship positions must include an interview process. Part of the work experience must include a leadership component.

Prerequisite: Admission to BASEC or Department Chair permission.

ENVS& 101 Introduction to Environmental Science (5)

NATURAL SCIENCES

Investigates connections between environmental problems (e.g. global climate change, air and water pollution, biodiversity and habitat loss) and human activities (e.g. population dynamics, fossil fuel use, deforestation, industrial agriculture). Utilizes sustainability and socio-economic perspectives to understand environmental degradation (e.g. eco-footprint, externalized costs, ecosystem services, natural capital).

Prerequisite: ENGL 097 or EAP 098 with a grade of "C" or higher (or placement into ENGL 098); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

ENVS 314 Environmental Science and the Manager (5)

NATURAL SCIENCES

Investigate how human activities such as fossil use and industrial agriculture impact the global environment. Analyze the relationships between components of sustainability and socio-economic perspectives on the environment, such as eco-footprint, externalized costs, ecosystem services, and natural capital. Examine the contributions that workplace leadership can make to solve global environmental issues such as climate change, air and water pollution, and biodiversity loss with a focus on the equity impact of sustainability solutions.

Prerequisite: Admission to BASM program and department chair permission.

ESOL 011 ESOL Level 1-1 (Beginning ELA Literacy) (1-15)

HUMANITIES

ESOL Level 1-1 (Beginning ELA Literacy) students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ESOL 12.

Prerequisite: Placement into ESOL 11 or equivalent.

ESOL 012 ESOL Level 1-2 (Beginning ELA Literacy) (1-15)

HUMANITIES

ESOL Level 1-2 (Low Intermediate ELA) students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ESOL 13.

Prerequisite: Receive a "P" grade in ESOL 11 (or placement into ESOL 12 or equivalent).

ESOL 013 ESOL Level 1-3 (Beginning ELA Literacy) (1-15)

HUMANITIES

ESOL Level 1-3 (Low Intermediate ELA) students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ESOL 21.

Prerequisite: Receive a "P" grade in ESOL 12 (or placement into ESOL 13 or equivalent).

8 Course Descriptions

ESOL 021 ESOL Level 2-1 (Beginning ELA) (1-15)

HUMANITIES

ESOL Level 2-1 (Beginning ELA) students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ESOL 22.

Prerequisite: Receive a "P" grade in ESOL 13 or ELA 11 (or placement into ESOL 21 or equivalent)

ESOL 022 ESOL Level 2-2 (Beginning ELA) (1-15)

HUMANITIES

ESOL Level 2-2 (Beginning ELA) students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ESOL 23.

Prerequisite: Receive a "P" grade in ESOL 21 (or placement into ESOL 22 or equivalent).

ESOL 023 ESOL Level 2-3 (Beginning ELA) (1-15)

HUMANITIES

ESOL Level 2-3 (Beginning ELA) students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ESOL 31.

Prerequisite: Receive a "P" grade in ESOL 22 (or placement into ESOL 23 or equivalent).

ESOL 031 ESOL Level 3-1 (Low Intermediate ELA) (1-15)

HUMANITIES

ESOL Level 3-1 (Low Intermediate ELA) students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ESOL 32.

Prerequisite: Receive a "P" grade in ESOL 23 or ELA 12 (or placement into ESOL 31 or equivalent).

ESOL 032 ESOL Level 3-2 (Low Intermediate ELA) (1-15)

HUMANITIES

ESOL Level 3-2 (Low Intermediate ELA) students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ESOL 33.

Prerequisite: Receive a "P" grade in ESOL 31 (or placement into ESOL 32 or equivalent).

ESOL 033 ESOL Level 3-3 (Low Intermediate ELA) (1-15)

HUMANITIES

ESOL Level 3-3 (Low Intermediate ELA) students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ESOL 41.

Prerequisite: Receive a "P" grade in ESOL 32 (or placement into ESOL 33 or equivalent).

ESOL 041 ESOL Level 4-1 (High Intermediate ESL) (1-15)

HUMANITIES

ESOL Level 4-1 (High Intermediate ESL) students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ESOL 42.

Prerequisite: Receive a "P" grade in ELA 13 (or placement into ELA 14/ESOL 41).

ESOL 042 ESOL Level 4-2 (High Intermediate ESL) (1-15)

HUMANITIES

ESOL Level 4-2 (High Intermediate ESL) students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ESOL 43.

Prerequisite: Receive a "P" grade in ESOL 41 (or placement into ESOL 42).

ESOL 043 ESOL Level 4-3 (High Intermediate ESL) (1-15)

HUMANITIES

ESOL Level 4-3 (High Intermediate ESL) students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ESOL 51.

Prerequisite: Receive a "P" grade in ESOL 42 (or placement into ESOL 43).

ESOL 051 ESOL Level 5-1 (Low Advanced ESL) (1-15)

HUMANITIES

ESOL Level 5-1 (Low Advanced ESL) students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ESOL 52.

Prerequisite: Receive a "P" grade in ELA 43 (or placement into ELA 15/ESOL 51).

ESOL 052 ESOL Level 5-2 (Low Advanced ESL) (1-15)

HUMANITIES

ESOL Level 5-2 (Low Advanced ESL) students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ESOL 53.

Prerequisite: Receive a "P" grade in ESOL 51 (or placement into ESOL 52)

ESOL 053 ELA Level 5-3 (Low Advanced ESL) (1-15)

HUMANITIES

ESOL Level 5-3 (Low Advanced ESL). Students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ELA 18 and/or CCB/ELA 95.

Prerequisite: Receive a "P" grade in ESOL 52 (or placement into ESOL 53).

ETHNC 100 American Minorities (5)

SOCIAL SCIENCES

The culture, contributions and contemporary issues of Asian, Black, Chicano, and Native Americans, with an emphasis on the historical experience and contributions of American minorities.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

ETHNC 111 Pacific Northwest Indigenous People: E (5)

SOCIAL SCIENCES

The social and cultural evolution of the indigenous peoples of the Pacific Northwest including historical context, colonization, and continued presence as self-determining political actors in a contemporary multicultural region. Focus on U.S. policy toward native people, tribal sovereignty, treaty rights, and creation of more equitable education, health, and economic outcomes with Indian self-determination.

Prerequisite: ENGL 099 with a grade of C or higher OR placement into ENGL& 101.

8 Course Descriptions

ETHNC 120 Introduction to the Chicano Movement: Culture, Politics, and Thought: E (5)

SOCIAL SCIENCES

This course will explore the economic, political, and cultural factors that lead to the creation of Chicana/o/@ identity and the political movement by the same name. We will explore ways in which Chicano identity becomes a way for Mexican American and others to resist oppression but also a means of creating coalitions and growing political power in order to make real world change. We will explore cultural expression by Chicanos from the early part of the 20th century up to the last ten years as we situate those examples of culture within a historical and economic perspective. Students will be asked to read historical, creative, and theoretical writing and take part in discussion about challenging topics related to race, ethnicity, gender, sexuality, national identity, and power. We will look at several topics over the quarter while analyzing them through a range of critical perspectives including but not limited to historical-materialist, intersectional, women of color feminist, and queer of color.

Prerequisite: ENGL& 101 with a "C" or higher or concurrent enrollment.

ETHNC 201 Minorities in American Society (5)

SOCIAL SCIENCES

Study of theories used for explaining ethnic minority relations in American society. Includes study of prejudice, discrimination, racism, ethnocentrism, and cultural patterns.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

ETHNC 299 Learning into Action (1-15)

SOCIAL SCIENCES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

FIRE 100 Principles of Emergency Services (5)

PUBLIC SERVICE AND SOCIAL SCIENCE

Overview of fire protection and emergency services, career opportunities in fire protection and related fields; culture and history of emergency services; fire loss analysis; organization and function of public and private fire protection services; fire department as part of local government; laws and regulation affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics; and life safety initiatives.

Prerequisite: None.

FIRE 101 Fire Chemistry (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Introduction to basic concepts of chemistry and the chemical/physical nature of fire and its development.

Prerequisite: None.

FIRE 103 Building Construction For Fire Protection (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Concepts of building construction, structure rating and classification, and uniform codes. Building systems including floors, ceilings, walls, roofs and building support systems. Building collapse and firefighter safety in burning buildings.

Prerequisite: None.

FIRE 120 Firefighter Skills I (8)

PUBLIC SERVICE AND SOCIAL SCIENCE

Preparation for initial assignment as a basic firefighter with a structural fire agency. Meets minimum training requirements of WAC 296-305 and NFPA Standard 1001, Standard for Fire Fighter Professional Qualifications. For students seeking Washington State Patrol, State Fire Marshal's Office certification for Firefighter 1.

Prerequisite: CSS 103 with a "D" or higher or concurrent enrollment.

FIRE 121 Firefighter Skills II (4)

PUBLIC SERVICE AND SOCIAL SCIENCE

Continues foundational knowledge and skills mastered in FIRE 120. Prepares the student for mastery of higher-level tactical skills and knowledge typically associated with engine company operations. For students seeking Washington State Patrol, State Fire Marshal's Office certification for Firefighter 2.

Prerequisite: FIRE 120 with a "C" or higher.

FIRE 122 Firefighter Skills III (4)

PUBLIC SERVICE AND SOCIAL SCIENCE

Continues the foundational knowledge and skills mastered in FIRE 121. Prepares the student for mastery of higher-level tactical skills and knowledge typically associated with truck company operations.

Prerequisite: FIRE 121 with a "C" or higher.

FIRE 126 Wildland Firefighting (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Students who successfully complete this course will be eligible to be certified as a Wildland Firefighter 2 and suppress wildland fires while under close supervision. Provides required training for all personnel prior to certification as a Firefighter (FFT2) under the Wildland Qualification System (NWCG 310-1).

Prerequisite: None.

FIRE 130 Emergency Vehicle Driving (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Introduction to driving various types of fire apparatus in emergency and non-emergency modes. Meets academic and drill ground training requirements for Washington State Emergency Vehicle Accident Prevention certification. Valid driver's license required.

Prerequisite: None.

FIRE 140 Emergency Medical Responder (5)

PUBLIC SERVICE AND SOCIAL SCIENCE

Classroom instruction and practical field exercises to prepare students to take the Washington State 60-hour First Responder emergency medical certification test battery.

Prerequisite: In accordance with Washington State Law, must be at least 17 years of age at course start.

8 Course Descriptions

FIRE 160 Hazardous Materials First Responder (5)

PUBLIC SERVICE AND SOCIAL SCIENCE

Prepares firefighters who witness or discover hazardous materials releases to recognize the presence of hazmat, protect themselves, secure the area, initiate emergency response of additional resources, and take defensive actions. Meets the training requirements for Hazardous Materials First Responder Awareness and Operations. Meets the training requirements for Hazardous Materials First Responder-Awareness and Operations Level certification.

Prerequisite: None.

FIRE 162 Hazardous Materials Awareness For Public Safety (1)

PUBLIC SERVICE AND SOCIAL SCIENCE

Provides the basic skills necessary to safely and effectively manage the initial activities of an emergency involving the uncontrolled release of dangerous chemicals. Focuses on responding to and assessing the hazard involved, and making necessary notifications of hazardous material spills. For emergency pre-hospital care personnel, emergency communications officers, law enforcement officers, private industry employees, public works personnel, and Wildland firefighters.

Prerequisite: None.

FIRE 199 Fire Service Internship (1)

PUBLIC SERVICE AND SOCIAL SCIENCE

Relevant work experience through appointment to a fire protection agency. Augments classroom learning by applying skills and knowledge learned and opportunity to develop workplace ethics, appropriate performance levels, and behavioral traits in workplace settings.

Prerequisite: Instructor permission required. Completion of FIRE 120 with minimum C grade or Department Chair approval. Must possess Firefighter 1 and Hazardous Materials First Responder, Operations certifications from the Washington State Fire Marshal.

FIRE 210 Fundamentals of Fire Prevention (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

History and philosophy of fire prevention. Covers fire protection and prevention challenges, public education, laws and codes, and a review of current fire prevention programs.

Prerequisite: None.

FIRE 211 Fire Protection Systems (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Introduction to the concepts and principles of fire protection systems including fire extinguishers, automatic sprinkler systems, standpipes, fire detection and alarm systems, and special hazard systems.

Prerequisite: None.

FIRE 212 Fire Codes and Ordinances (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Covers the International Fire Code and certain chapters of the International Building Code. Develop a working knowledge of the Codes and their application to fire inspections.

Prerequisite: None.

FIRE 213 Fire and Life Safety Education (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Provides the fundamental and technical knowledge needed to coordinate and deliver existing fire safety educational programs and information. Assists the student in meeting job performance requirements of NFPA 1035, Professional Qualifications for Fire and Life Safety Educator, for Fire and Life Safety Educator 1 and prepares the student for Washington State certification testing for Public Fire and Life Safety Educator.

Prerequisite: None.

FIRE 214 Fire Investigation (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Provides the fundamental and technical knowledge needed for proper fire scene interpretations, including recognizing and conducting origin and cause, preservation of evidence and documentation, scene security, motives of the fire setter, and types of fire causes. Assists the student in meeting the job performance requirements of NFPA 1033, Professional Qualifications for Fire Investigator, and prepares the student for Washington State certification testing for Fire Investigator.

Prerequisite: None.

FIRE 215 Fire Inspection and Code Enforcement (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Provides the fundamental and technical knowledge needed to conduct basic fire inspections and apply codes and standards. Assists the student in meeting the job performance requirements of NFPA 1031, Professional Qualifications for Fire Inspector and Plan Examiner, for Fire Inspector 1. Prepares the student for Washington State certification testing for Fire Inspector I.

Prerequisite: None.

FIRE 223 Live Fire Operations (1)

PUBLIC SERVICE AND SOCIAL SCIENCE

Introduction to fire development theory as well as water application principals in order to effectively extinguish interior "Class A" fires. Provides the skills necessary to function as the nozzle operator of an interior fire attack team. Also introduces the basic properties of fire-fighting foam and the application methods used to control and combat "Class B" liquid fires.

Prerequisite: FIRE 271 or concurrent enrollment.

FIRE 230 Fire Service Hydraulics (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Introduction to hydraulics as it affects fire stream development and water supply. Includes formula and table calculation of friction loss and engine pressures using hydraulic principles. Covers water main systems, water tender shuttle operations, and fire engine pumping operations. Studies fire pump construction, operation, and techniques of pumping. Pumping evolutions are practiced to become proficient in performing various water supply and attack evolutions.

Prerequisite: None.

8 Course Descriptions

FIRE 240 Rescue Systems Awareness (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Apply search and rescue skills, approach rescue situations safely, and understand the organizational concerns at a structural collapse incident. Provides skill sets that meet or exceed NFPA 1670 at the awareness level for various rescue situations.

Prerequisite: None.

FIRE 241 Vehicle Extrication (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Techniques of rescue company operations to gain entry to damaged vehicles, disentangle and prepare patients for transport, and extricate to safety and care. Includes scene management, heavy rescue apparatus, and equipment and practical applications.

Prerequisite: None.

FIRE 275 Emergency Service Leadership (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Meets training requirements for National Fire Academy, Leadership training series and part of Washington State training requirement for certification as Fire Officer I. For mid-range managers and company officers to enhance critical skills and experience needed to be effective as leaders.

Prerequisite: None.

FIRE 278 Managing Company Tactical Operations (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Provides a basic foundation for the management of one or more companies operating at a structural fire emergency. Uses simulations to apply concepts and develop skills.

Prerequisite: None.

FIRE 279 Fire Services Safety and Survival (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Introduction to basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services.

Prerequisite: None.

FL 131 Parent Education Co-op, Infants and Toddlers (2)

PUBLIC SERVICE AND SOCIAL SCIENCE

For parents with infants and toddlers; birth to 36 months. Includes child growth and development, guidance techniques, nutrition, child health and safety, activities for infants and toddlers and parental development. Curriculum may be delivered through weekly home visits and group meetings.

Prerequisite: None.

FL 132 Parent Education Cooperative I (3)

EDUCATION

For parents with preschool children. Parents will be involved in the operation of the program through parent meetings, committee work, and classroom involvement.

Prerequisite: None.

FL 133 Parent Education Cooperative II (3)

EDUCATION

For parents of preschool age children enrolled in a community-based cooperative preschool. Pre-school serves as a lab setting in which parents will observe child development and behavior, positive approaches to guidance and positive adult/child interactions. Parents will participate in assisting the teacher in the classroom, attending monthly parent education sessions, and assistance with a committee job to maintain the lab/school.

Prerequisite: None.

FL 134 Parent Education Cooperative III (3)

EDUCATION

For parents of preschool age children enrolled in a community-based cooperative preschool. Provides an opportunity for parents to focus on areas of child development and behavior, lab school organizational development, parenting and/or parents as teachers. Student participation includes practicing developmentally appropriate child guidance and positive adult/child activities, assisting the teacher in the classroom, attending monthly parent education sessions, and performing committee or leadership roles to support the lab/school.

Prerequisite: None.

FL 140 Parent Education Co-op for Second Parent (1)

EDUCATION

For second parent of families in cooperative group of toddlers, three-year olds, four-year olds, and five year olds. Parents will be involved in operation of the program through parent meetings, committee work, or classroom involvement.

Prerequisite: None.

FL 142 Early Intervention Parent Education I (3)

EDUCATION

For parents with children enrolled in Early Intervention Services. Parents will learn vital parenting skills through individual coaching and guided play sessions with Early Intervention specialists.

Prerequisite: None.

FL 143 Early Intervention Parent Education II (3)

EDUCATION

For parents with children enrolled in Early Intervention Services. Parents will learn vital parenting skills through individual coaching and guided play sessions with Early Intervention specialists.

Prerequisite: None.

FL 144 Early Intervention Parent Education III (3)

EDUCATION

For parents with children enrolled in Early Intervention Services. Parents will learn vital parenting skills through individual coaching and guided play sessions with Early Intervention specialists.

Prerequisite: None.

8 Course Descriptions

FRCH& 121 French I (5)

NATURAL SCIENCES

A proficiency-based course in French, which includes pronunciation, fundamentals of grammar, syntax, oral and written exercises, reading, and conversation. An appreciation for cultural aspects of France and other French-speaking countries is emphasized. Oral practice is required.

Prerequisite: Grade of 2.0 or higher in ENGL 097, or AESL 098, or appropriate test score.

FRCH& 122 French II (5)

NATURAL SCIENCES

A continuation of French 121: the vocabulary and grammatical structures are more complicated, and the student begins to master other verb tenses and more complex sentence structures. Oral comprehension and speaking skills are emphasized through daily practice, as well as the reading and writing exercises.

Prerequisite: FRCH& 121 with a "C" or higher.

FRCH& 123 French III (5)

NATURAL SCIENCES

A continuation of French 122: the grammar and vocabulary are more complicated. Oral comprehension and speaking skills are still emphasized through daily oral practice, as well as reading and writing exercises. Pre-requisite: French 122 or equivalent French course.

Prerequisite: FRCH& 122 with a "C" or higher.

FRCH& 221 French IV (5)

NATURAL SCIENCES

A communication course in beginning intermediate French. Increases proficiency through review and expansion of skills, grammar, and cultural foundation of the language. Emphasizes oral communication.

Prerequisite: FRCH& 123 with a "C" or higher or successful completion of two years of high school French.

FRCH 299 Learning into Action (1-15)

NATURAL SCIENCES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: Grade of 2.0 or higher in ENGL 097, or AESL 098, or appropriate test score.

GEOG& 100 Introduction to Geography (5)

SOCIAL SCIENCES

Relationship of cultural, territorial, and climatic factors in the world's important geographic regions.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

GEOG 295 Geography Integrative Experience Seminar (2)

SOCIAL SCIENCES

An Integrative Experience emphasizing an interdisciplinary approach to current issues in geography, including the societal context of geography and technology, and/or the ethical, political, and cultural aspects of geography.

Prerequisite: None.

GEOG 299 Learning into Action (1-15)

SOCIAL SCIENCES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

GEOG& 100 Survey of Earth Science (5)

NATURAL SCIENCES

Introduction to the scientific study of the earth and space. Intended for non-scientists. Basic physics and chemistry applied to the earth and solar system. Emphasis on the evolution of the Pacific Northwest, including a survey of geologic, oceanographic, meteorologic, and astronomic processes that contributed to its development. Field trips may be required; however, the online course does not include field trips.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

GEOG& 101 Introduction Physical Geology (5)

NATURAL SCIENCES

A survey of physical systems that give the Earth its structure. Emphasis on internal and surface processes, and applying physical sciences to explain Earth composition, forms, and past. Field trips may be required. Lab included.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

GEOG& 110 Environmental Geology (5)

NATURAL SCIENCES

Study of the interaction of humans and geological processes. Analysis of geologic hazards (volcanism, slope failure, earthquakes, flooding) and resource management (ores, water, energy resources, waste disposal). GEOG& 100 or 101 recommended. Field trips may be required. Lab included.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

GEOG& 208 Geology of Pacific NW (5)

NATURAL SCIENCES

Field trips, hands-on examples, on-line resources, maps, and current topics are used to explore the geological processes that produced the landscapes, resources, and hazards seen today in Washington, Oregon, Idaho, and British Columbia. GEOG& 100, 101, 110, EASC 111, or OCEA& 101 recommended but NO PRIOR GEOLOGY COURSEWORK REQUIRED. Field trips may be required. Lab included.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

GEOG 295 Geology Integrative Experience Seminar (2)

NATURAL SCIENCES

An Integrative Experience emphasizing an interdisciplinary approach to current issues in geology, including the societal context of geology and technology, and/or the ethical, political, and cultural aspects of geology.

Prerequisite: BIOL& 160; or BIOL& 221; or CHEM& 161; or PHYS& 241; or CHEM& 241; or BIOL& 241 with a grade of C or higher; and either placement into MATH& 141 OR co-enrollment with MATH& 141 OR completion of MATH& 141 with a grade of C or higher.

8 Course Descriptions

GIS 101 Introduction to Geographic Information Systems (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Principles and conceptual overview of GIS software. Covers the use and applications in natural resource management, and other fields utilizing GIS, with hands-on experience using ArcGIS. Computer and spreadsheet familiarity required.

Prerequisite: None.

GIS 102 Geographic Information Systems II (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Develop advanced skills using ESRI's ArcGIS Pro. Learn the basics of the Spatial Analyst and 3D Analyst extensions for ArcGIS Pro. Other topics include types of GIS data available and map accuracy standards.

Prerequisite: GIS 101 with a "C" or higher.

GIS 105 Introduction to Global Positioning Systems (GPS) (2)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Introduction to global positioning systems (GPS) and their uses in natural resources and agriculture.

Prerequisite: None.

GIS 106 Advanced Global Positioning Systems (2)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Continuation of GIS 105. Global Positioning Systems (GPS) data management. Integration of GPS data into mapping software and displaying with Google Earth and ArcGIS.

Prerequisite: GIS 101 with a "C" or higher and GIS 105 with a "C" or higher or concurrent enrollment.

GIS 107 Introduction to Global Positioning Systems (GPS) (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Introduction to Global Positioning Systems (GPS). Focusing on its uses in environmental and agricultural applications, including data management, GPS data integration with mapping software and displaying data with Google Earth and ArcGIS Pro. Emerging GPS data collection methods (i.e. web and mobile apps) with smart devices explored.

Prerequisite: None.

GIS 199 Cooperative Education (1-15)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Supervised work experience in the field. Includes a weekly seminar.

Prerequisite: Instructor permission required.

GIS 202 Introduction to Remote Sensing (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Principles and conceptual overview of remote sensing instruments and how data and images are used to monitor and evaluate the condition and distribution of the earth's surface features.

Prerequisite: GIS 102 with a "C" or higher.

GIS 203 Advanced GIS Project (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Using GIS software, develop and execute a pre-approved GIS project. Covers defining project goals, project management, conducting background research, map development and layout, and presenting the results.

Prerequisite: GIS 102 with a "C" or higher.

HCM 325 Project Management in Healthcare (5)

BAS: MANAGEMENT, HEALTHCARE MANAGEMENT

Provides a framework for understanding and applying the ideas, methods, principles, practices, and knowledge of structured project management in healthcare settings. Learn to apply the knowledge, skills, tools, and techniques for project activities necessary to meet project requirements through software and approaches modeled on the principles of Project Management Institute Global Standards. Emphasis is on project management application in healthcare settings.

Prerequisite: BASM department chair permission.

HCM 327 Marketing for Health Care Managers (5)

BAS: MANAGEMENT, HEALTHCARE MANAGEMENT

Develop the marketing knowledge and skills necessary for successful marketing in healthcare settings including aspects of business-to-business, business-to-customer, and appropriate use of digital platforms. Topics include marketing concepts and strategies, cost benefit analysis, and assessment of success of marketing initiatives.

Prerequisite: BASM department chair permission.

HCM 335 Healthcare Operations Management (5)

BAS: MANAGEMENT, HEALTHCARE MANAGEMENT

Explore and apply the concepts, principles, problems, and practices of operations management in different sizes and types of healthcare organizations. Topics include operations strategy, process design, capacity planning, facilities location and design, forecasting, scheduling, quality assurance, continual improvement and operational effectiveness, environmentally sustainable practices, and inventory management.

Prerequisite: BASM department chair permission.

HCM 339 Human Resources and the Healthcare Manager (5)

BAS: MANAGEMENT, HEALTHCARE MANAGEMENT

Explores the role that the human resources function and the manager play to achieve high levels of organizational performance in healthcare settings. Evaluate the organizational impact related to the following areas of human resources: talent acquisition and talent management; total rewards (compensation and benefits); evaluating and managing employee performance; union relationships, health, safety, and security.

Prerequisite: BASM department chair permission.

HCM 425 Principles of Finance in Healthcare (5)

BAS: MANAGEMENT, HEALTHCARE MANAGEMENT

Introduction to the application of financial management principles in the healthcare setting. Includes the analysis of financial statements for capital decision making and managing working capital (planning and control, equipment purchase and depreciation, budgeting) and. Review the people, processes, and technology used during each phase of the healthcare reimbursement cycle. Evaluate best practices in revenue cycle management, including coding and reimbursement to make effective management decisions.

Prerequisite: BASM department chair permission.

8 Course Descriptions

HIST& 116 Western Civilization I (5)

SOCIAL SCIENCES

Survey of the origins of Western civilization in the Near East, ancient Greece and Rome, through the end of the Middle Ages.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

HIST& 117 Western Civilization II (5)

SOCIAL SCIENCES

Survey of the origins of Western civilization from the end of the Middle Ages, the Renaissance, the Reformation through the end of the French revolution.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

HIST& 118 Western Civilization III (5)

SOCIAL SCIENCES

Survey of the origins of Western civilization from the end of the French revolution to the present day.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

HIST 121 Religions of the World (5)

SOCIAL SCIENCES

Introduction to the history of the major world religions, with primary attention to their origins, basic structures, and role in contemporary society.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

HIST& 126 World Civilizations I (5)

SOCIAL SCIENCES

A study of human achievements from prehistoric times through the Middle Ages. Includes the culture and institutions of Mesopotamia, Egypt, India, China, Greece, Rome, and medieval Europe.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

HIST& 127 World Civilizations II (5)

SOCIAL SCIENCES

A survey of world civilizations from the 13th through the early 19th century. Includes the Renaissance and Reformation, Islamic Empires, European colonization, Scientific Revolution, and the American and French Revolutions.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

HIST& 128 World Civilizations III (5)

SOCIAL SCIENCES

A survey of world history in the 19th and 20th centuries. Topics include the Industrial Revolution, global imperialism, nationalism and nation building, communism, fascism, and the Cold War.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

HIST& 146 U.S. History I (5)

SOCIAL SCIENCES

A survey of the United States from the Native American cultures and the founding of the colonies through 1815.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

HIST& 147 U.S. History II (5)

SOCIAL SCIENCES

A survey of United States history from 1815 to 1914.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

HIST& 148 U.S. History III (5)

SOCIAL SCIENCES

A survey of United States history from 1914 to the present.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

HIST& 214 Pacific NW History (5)

SOCIAL SCIENCES

Exploration, settlement, and development of the Pacific Northwest with emphasis on the state of Washington.

Prerequisite: ENGL& 101 with a "C" or higher.

HIST& 215 Women in U.S. History (5)

SOCIAL SCIENCES

This course explores women's place in American History, including historical attitudes about women's place in society and the realities of life and work for women of a variety of backgrounds in American History from pre-colonial times to the present. The course also covers the women's rights movements from the mid-1800's to the present.

Prerequisite: None.

HIST& 219 Native American History (5)

SOCIAL SCIENCES

The American Indian from earliest times to the present.

Prerequisite: ENGL& 101 with a "C" or higher.

HIST 242 History of the Modern Middle East (5)

SOCIAL SCIENCES

With a particular emphasis on the effects of imperialism and colonialism, this course explores the social, political, and cultural changes that have occurred in the Middle East during the past two centuries, reflecting on the history of the region and the connection to present conflicts.

Prerequisite: ENGL& 101 with a "C" or higher.

HIST 270 History of Modern Asia (5)

SOCIAL SCIENCES

Comprehensive look at the events and people who have shaped the past 150 years of Asia-Pacific history, and relates it to Pacific Basin relationships today.

Prerequisite: ENGL& 101 with a "C" or higher.

HIST 280 Introduction to Chinese Civilization (1-5)

SOCIAL SCIENCES

Survey of Chinese history and culture from ancient time to present.

Prerequisite: None.

HIST 295 History Integrative Experience Seminar (2)

SOCIAL SCIENCES

An Integrative Experience emphasizing an interdisciplinary approach to current issues in history, including the societal context of history and technology, and/or the ethical, political, and cultural aspects of history.

Prerequisite: None.

8 Course Descriptions

HIST 299 Learning into Action (1-15)

SOCIAL SCIENCES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

HMATH 100 Math for Health Professions (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

This course is non-transferable and for health profession students only. Estimation and practical problem solving techniques explored through lecture, discussion and computer work. Topics include: medical abbreviations; conversions using metric, household, apothecary units and scientific notations; percentages; calculation of body statistics; medication dosages and intravenous flow rates.

Prerequisite: MATH 096 with a "C" or higher (or placement into MATH 097/WMATH 100).

HSC 010 Academic Success Skills (1-10)

BASIC EDUCATION FOR ADULTS

This course is designed to help students gain knowledge of academic success skills necessary for completion of a high school diploma. Guides students through the process of developing a plan for completing the requirements for their high school diploma and transition to college.

Prerequisite: CASAS reading score of 225 or higher or instructor permission.

HSC 015 HS21+ Prior and Experiential Learning Project (1-5)

BASIC EDUCATION FOR ADULTS

This course is designed to help students demonstrate high school competencies in fulfillment of HS21+ diploma requirements through completion of individual portfolio assignments.

Prerequisite: Completion of CCB 018 and Permission.

HSC 018 HSC First Quarter Experience (3)

BASIC EDUCATION FOR ADULTS

In this course, students will explore the relationship between power and education by learning about the historical inequities of the U.S. public school system. Students will identify the institutional, societal, and personal barriers to education that they have faced in the past and create a plan for overcoming those barriers in the future. Students will receive consistent study skills instruction and feedback that they will apply to co-enrolled courses.

Prerequisite: None.

HSC 020 HSC Academic Skills Lab (1-5)

BASIC EDUCATION FOR ADULTS

Students receive support and tutoring in academic skills and subject content for coursework and competencies needed to meet adult high school completion requirements.

Prerequisite: None.

HSC 021 Competency–Science w/ Lab (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in lab sciences through life experience.

Prerequisite: Completion of HSC 018 and Department Chair permission.

HSC 022 Competency–Health (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in health through life experience.

Prerequisite: Completion of HSC 018 and Department Chair permission.

HSC 023 Competency–Fine Arts (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in fine arts through life experience.

Prerequisite: Completion of HSC 018 and Department Chair permission.

HSC 024 Competency–PE (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in physical education through life experience.

Prerequisite: Completion of HSC 018 and Department Chair permission.

HSC 025 Competency–Occupational Education (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in occupational education through life experience.

Prerequisite: Completion of HSC 018 and Department Chair permission.

HSC 026 Competency–World Languages (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in world languages through life experience.

Prerequisite: Completion of HSC 018 and Department Chair permission.

HSC 027 Competency–English (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in English through placement exam and prior transcripts.

Prerequisite: None.

HSC 028 Competency–State History (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in State History through life experience or prior transcripts.

Prerequisite: None.

HSC 029 Competency–U.S. History (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in U.S. History through prior transcripts or life experience.

Prerequisite: None.

HSC 040 HSC Mathematics (5)

BASIC EDUCATION FOR ADULTS

This course covers topics in fulfillment of math requirements for the HS21+ diploma.

Prerequisite: Completion / co-enrollment in HSC 018 or permission.

8 Course Descriptions

HSC 044 Introduction to Geometry and Math Literacy (5)

BASIC EDUCATION FOR ADULTS

Students will review and apply basic math skills while exploring topics in geometry.

Prerequisite: CASAS math score 204-220 or placement based on HS transcripts.

HSC 045 HSC Algebra II (5)

BASIC EDUCATION FOR ADULTS

This course continues topics covered in high school algebra and completes all HS math requirements for the HS+ diploma.

Prerequisite: Completion of HSC 018 or Permission AND one of the following: completion of CCB 043, CASAS Math Goals score 236-250, or placement based on HS transcripts.

HSC 050 HSC Fine Arts (3)

BASIC EDUCATION FOR ADULTS

This course explores the forms, meanings, and purposes of art and its role in human society.

Prerequisite: Completion of/co-enrollment in HSC 018 or permission.

HSC 060 HSC Social Studies Project (1-5)

BASIC EDUCATION FOR ADULTS

This project-based course is designed to help students demonstrate competency in social studies subjects required for the HS+ diploma.

Prerequisite: HSC 018 with a "D" or higher AND HSC 065 with a "C" or higher (or 1 credit U.S. History from HS transcripts).

HSC 061 HSC World Problems and Fine Arts (5)

BASIC EDUCATION FOR ADULTS

This course explores the historical and cultural context of current world problems using methods of Theater of the Oppressed and/or other art forms.

Prerequisite/Corequisite: HSC 018 or ELA 018 with a C or higher (or concurrent enrollment).

HSC 062 HSC History, Geography, World Problems (5)

BASIC EDUCATION FOR ADULTS

This course explores the historical and cultural context of current world problems.

Prerequisite/Corequisite: HSC 018 or ELA 018 with a C or higher (or concurrent enrollment).

HSC 063 HSC Civics and Government (3)

BASIC EDUCATION FOR ADULTS

In this course, students explore federal, state, tribal, and local government organization and procedures, as well as their histories and underlying philosophies. This includes study of primary source materials that serve as foundational documents for these systems of government.

Prerequisite/ Corequisite: HSC 018 or ELA 018 with a C or higher (or concurrent enrollment).

HSC 065 HSC U.S. History (5)

BASIC EDUCATION FOR ADULTS

This course examines major developments in U.S. history.

Prerequisite/Corequisite: HSC 018 or ELA 018 with a C or higher (or concurrent enrollment).

HSC 066 Washington State History (3)

BASIC EDUCATION FOR ADULTS

Students explore topics in Washington State history.

Prerequisite/Corequisite: CCB/ELA/ENGL 095 with a C or higher or placement into CCB/ENGL 96 AND HSC 018 with a C or higher (or concurrent enrollment).

HSC 067 Washington State History and the Environment (5)

BASIC EDUCATION FOR ADULTS

Students explore the ways in which human civilization has shaped the land in Washington State throughout its history.

Prerequisite/Corequisite: CCB/ENGL 095 with a C or higher or placement into CCB/ENGL 096 AND HSC/ELA 018 with a C or higher (or concurrent enrollment).

HSC 068 HSC Washington State History and Ethnic Studies (5)

BASIC EDUCATION FOR ADULTS

This course examines major developments in Washington State history and the Pacific Northwest region.

Prerequisite/Corequisite: HSC/ELA 018 with a C or higher (or concurrent enrollment).

HSC 069 Washington State History and the Environment (w/lab) (5)

BASIC EDUCATION FOR ADULTS

Students explore the ways in which human civilization has shaped the land in Washington State throughout its history.

Prerequisite/Corequisite: HSC/ELA 018 with a C or higher (or concurrent enrollment).

HSC 070 HSC Science Project (5)

BASIC EDUCATION FOR ADULTS

This course covers science topics in Life and/or Physical Sciences in fulfillment of high school completion Science requirements. There is no lab associated with this course.

Prerequisite: HSC/ELA 018 with a C or higher.

HSC 071 HSC Physical Science and Algebra (1-10)

BASIC EDUCATION FOR ADULTS

For students who are interested in entering the medical or other STEM fields, especially Pre-Nursing, this course offers a refresher (or an introduction) to topics including physics, chemistry, and biology, along with the foundational math required to understand these subjects.

Prerequisite: HSC/ELA 018 with a C or higher; AND MATH 96/CCB 042 with a C or higher, or a pre-algebra class at another institution; and CCB/ENGL 096 with a C or higher or placement into CCB/ENGL 097.

HSC 073 HSC Science of Music (5)

BASIC EDUCATION FOR ADULTS

Students explore the connection between music and science by learning about the physics of sound, the biology of sound perception, and the psychology of human responses to music. This course is especially useful to students pursuing Early Childhood Education AAS or Education DTA.

Prerequisite/Corequisite: HSC/ELA 018 with a C or higher (or concurrent enrollment).

HSC 074 HSC Botany (5)

BASIC EDUCATION FOR ADULTS

Students explore the structure and life cycle of plants and their role in our ecosystem and in society.

Prerequisite/Corequisite: HSC/ELA 018 with a C or higher (or concurrent enrollment).

HSC 075 HSC Science with Lab (5)

BASIC EDUCATION FOR ADULTS

This course covers life and /or physical science topics as part of the HS+ adult high school diploma program.

Prerequisite: HSC 018 with a C or higher.

8 Course Descriptions

HSC 076 HSC Nutrition, Health and Fitness (5)

BASIC EDUCATION FOR ADULTS

This course explores basic principles of nutritional science, digestion, absorption, and metabolism, scientific evaluation of nutritional needs of humans, cultural influences on food, and current nutrition controversies.

Prerequisite/Corequisite: HSC/ELA 018 with a C or higher (or concurrent enrollment).

HSC 080 HSC Physical Education and Health (3)

BASIC EDUCATION FOR ADULTS

This course covers topics in health and fitness in fulfillment of high school completion requirements.

Prerequisite/Corequisite: HSC/ELA 018 with a grade of C or higher (or concurrent enrollment).

HSC 081 Competency–World Problems (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in World Problems through life experience or prior transcripts.

Prerequisite: None.

HSC 083 Competency–Electives (1-4)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in electives through life experience.

Prerequisite: None.

HSC 084 Competency–Civics (1)

BASIC EDUCATION FOR ADULTS

Identify and document life experience to demonstrate competency in high school Civics.

Prerequisite: None.

HSC 085 Science 85 (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in science through life experience and high school transcripts.

Prerequisite: None.

HSC 086 Competency–Algebra/Integrated Math I (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in algebra or Integrated Math I through life experience.

Prerequisite: None.

HSC 087 Competency–Geometry/Integrated Math II (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in Geometry or Integrated Math II through life experience.

Prerequisite: None.

HSC 088 Algebra 2/ Integrated Mathematics III (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in Algebra 2/Integrated Mathematics III.

Prerequisite: None.

HSC 089 Math 089 (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in Math through life experience, placement, and high school transcripts.

Prerequisite: None.

HSERV 101 Introduction to Human Services (5)

PUBLIC SERVICE AND SOCIAL SCIENCE

Overview of the delivery systems in social services with focus on historical perspectives, equity, and current trends. (Required course for students seeking a Human Services degree).

Prerequisite: CSS 103 with a C or higher or concurrent enrollment.

HSERV 102 Generalist Coordinated Care (5)

PUBLIC SERVICE AND SOCIAL SCIENCE

Preparation for coordinating individual client activities and evaluation of their needs. Includes current coordinated care techniques for those in the Human Services profession. Required coordinated care course for the generalist degree.

Prerequisite: None.

HSERV 121 Introduction to Disabilities and Disability Law (4)

PUBLIC SERVICE AND SOCIAL SCIENCE

Overview of disabilities and disability law. Topics include historical, current, and equitable rehabilitation techniques. (Required course for students seeking a Generalist degree).

Prerequisite: None.

HSERV 131 Human Development (5)

PUBLIC SERVICE AND SOCIAL SCIENCE

Introduction to the stages of human development with particular attention to adult life development. Explores the relevance of ethnicity, culture, gender, socioeconomic class, sexual orientation and community in a person's development. Required course for both Human Services degrees (including fast track students).

Prerequisite: None.

HSERV 132 Motivational Interviewing (4)

PUBLIC SERVICE AND SOCIAL SCIENCE

Introduction to basic terminology and techniques involved in Motivational Interviewing. This is a skill building course for students interested in entering the Human Services profession. Required course for both Human Services degrees (not required for fast track students).

Prerequisite: None.

HSERV 141 Alcoholism and other Addictive Disorders (5)

PUBLIC SERVICE AND SOCIAL SCIENCE

Social, psychological, and physiological aspects of drug abuse and addictive disorders. Introduction to drug use behaviors and their impact on contemporary society. Foundational course for those who desire more knowledge regarding psychoactive drugs, drug-use behavior and the treatment systems currently available to assist those with drug related problems. Required course for both Human Services degrees (including fast track students).

Prerequisite: None.

8 Course Descriptions

HSERV 145 Addictions and the Law (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Overview of the mutual impacts of substance use disorder treatment and the legal system on each other. Guidelines and laws which affect case management and the structures and functions of courts as they affect addiction treatment. Federal and state confidentiality law. Required course for students seeking the Substance Use Disorder Counseling degree (including fast track students).

Prerequisite: None.

HSERV 171 HIV/AIDS and Blood Pathogen Training for Substance Use Disorder Professional (1)

PUBLIC SERVICE AND SOCIAL SCIENCE

Covers HIV/AIDS and includes Brief Risk Intervention (BRI) segment. Satisfies the Washington State Department of Health requirement for those applying to become Substance Use Disorder Professionals (SUDP). Required for students seeking the Substance Use Disorder Counseling degree (including fast track students).

Prerequisite: None.

HSERV 198 Pre-Practicum Seminar (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Designed to prepare students for successful participation in community-based fieldwork and to provide needed information and skills that will allow the student to identify and secure a field-placement appropriate to the student's needs, interests, and abilities in subsequent academic quarters. In addition to developing a working understanding of the necessary tasks and paperwork required in a field placement experience, this course will focus on a review of (1) agency and employer needs, (2) effective workplace communication, and (3) self-awareness in the workplace. Presents information on state credentialing, an introduction to ethics, and the development of a practicum site. (Not required for fast-track students).

Prerequisite: None.

HSERV 199 Practicum (1-4)

PUBLIC SERVICE AND SOCIAL SCIENCE

Supervised practicum in an approved human services agency site. Structured learning and development of workplace skills. Opportunity for application of critical thinking skills, pluralism, and communication skills within human services systems. Concurrent enrollment in HSERV 200. Required for both Human Services degrees (not required for fast track students).

Prerequisite: HSERV 101 and HSERV 198 with a "C" or higher.

HSERV 200 Practicum Seminar (1)

PUBLIC SERVICE AND SOCIAL SCIENCE

Discussion of issues arising in field placement. Must be taken concurrently with HSERV 199. Required for both Human Services degrees (not required for fast track students).

Prerequisite: HSERV 101 and HSERV 198 with a "C" or higher.

HSERV 203 Introduction to Counseling (5)

PUBLIC SERVICE AND SOCIAL SCIENCE

Historical perspectives, theory and fundamentals of counseling therapies as related to Human Services agency work. Introduction to evidenced-based and Best Practices models. Development of basic techniques and critical thinking skills appropriate for mental health, substance abuse disorders and rehabilitation counseling. Required course for both Human Services degrees (including fast track students).

Prerequisite: HSERV 101 with a "C" or higher.

HSERV 221 Crisis Intervention (5)

PUBLIC SERVICE AND SOCIAL SCIENCE

Theory and techniques of crisis intervention with an emphasis on assessment and knowledge of local resources. Required course for both Human Services degrees (not required for fast track students).

Prerequisite: None.

HSERV 231 Psychopathology and Therapeutic Intervention in Mental Health (4)

PUBLIC SERVICE AND SOCIAL SCIENCE

Survey of various treatment approaches in mental health, substance abuse treatment, etiology of mental disorders, and DSM diagnostic criteria. Required course for both Human Services degrees (including fast track students).

Prerequisite: None.

HSERV 232 Justice, Equity, Diversity, and Inclusion in Human Services: E (5)

PUBLIC SERVICE AND SOCIAL SCIENCE

A diversity intensive course that examines historical information related to the development of our multiethnic society. Ethnic privilege, prejudice, racism, discrimination, and basic human rights are reviewed. Required course for both Human Services degrees (including fast track students).

Prerequisite: None.

HSERV 235 Equitable Trauma Informed Practice (ETIC) (5)

PUBLIC SERVICE AND SOCIAL SCIENCE

Explores trauma and equitable practice, oppression as a catalyst, ways in which the effects of trauma are expressed, resilience, healing, and protective factors. Includes anti racist and cultural competency frameworks regarding ethical and equitable trauma informed practice. Identify vicarious trauma, secondary trauma, and burnout in the helping process, and examine wellness practices to mitigate the effects of exposure.

Prerequisite: HSERV 101 and HSERV 203 with a C or higher.

HSERV 241 Addictive Disorders and the Family (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Alcoholism and other disorders as a family disease; effects of role disturbance, boundary violations, and communication disruptions on children, spouse, and family systems; therapeutic interventions for families. Development of a multicultural perspective in working with families and within communities. Required course for students seeking the Substance Use Disorder Counseling track (including fast track students).

Prerequisite: None.

8 Course Descriptions

HSERV 242 Physiology and Pharmacology of Psychoactive Drugs (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Broad overview of the pharmacological and physiological impact of psychoactive drug use coupled with a detailed examination of the neurochemical changes that accompany drug dependencies. Required course for students seeking the Substance Use Disorder Counseling degree (including fast track students).

Prerequisite: HSERV 141 with a "C" or higher.

HSERV 243 Substance Use Disorder Assessment and Case Management (4)

PUBLIC SERVICE AND SOCIAL SCIENCE

Introduction to the tools and techniques (including ASAM criteria) used for drug and alcohol assessments and case management. Covers treatment plan formation and the implementation of quality care as well as making appropriate referrals. Required course for students seeking the Substance Use Disorder Counseling degree (including fast track students).

Prerequisite: HSERV 141 with a "C" or higher.

HSERV 244 Group Process and Addictive Disorders (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Group counseling skills for working with addicted clients in residential and outpatient treatment settings. Includes best practices, emerging practices and other major counseling theories and techniques. Required course for students seeking the Substance Use Disorder Counseling degree (including fast track students).

Prerequisite: HSERV 141 with a "C" or higher.

HSERV 245 Professional Ethics (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Presentation and discussion of ethical principles and codes of professional behavior for those working in substance use disorder counseling, mental health services, developmental disability rehabilitation and other human service settings. Required course for both Human Services degrees (including fast track students).

Prerequisite: HSERV 101 and HSERV 198 with a C or higher.

HSERV 248 Adolescent Addictive Disorders Counseling (3)

PUBLIC SERVICE AND SOCIAL SCIENCE

Provides the opportunity to pursue substance use disorder counseling qualifications to learn how to work with children and adolescents in an effective manner. Required course for students seeking the Substance Use Disorder Counseling degree (including fast track students).

Prerequisite: None.

HUM& 101 Introduction to Humanities (5)

HUMANITIES

An introduction to the elements and principles of the arts including painting, sculpture, photography, film, and architecture. Art works will be discussed and written about from a variety of historical and critical perspectives.

Prerequisite: Grade of 2.0 or higher in ENGL 097, or AESL 098, or appropriate test score.

HUM 295 Humanities Integrative Experience Seminar (2)

HUMANITIES

An Integrative Experience emphasizing an interdisciplinary approach to current issues in humanities, including the societal context of humanities and technology, and/or the ethical, political, and cultural aspects of humanities.

Prerequisite: None.

HUM 299 Learning into Action (1-15)

HUMANITIES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

IBE 020 I-BEST English Skills (5)

BASIC EDUCATION FOR ADULTS

Develop fundamental reading, writing, and/or technology skills needed for success in ENGL 101 I-BEST course.

Prerequisite/Corequisite: CSS 103 with a C or higher.

IBE 030 I-BEST Math Skills (5)

BASIC EDUCATION FOR ADULTS

Develop fundamental reading, language, math, and/or technology skills needed for success in a college math I-BEST course.

Prerequisite/Corequisite: CSS 103 with a C or higher.

IBE 031 I-BEST MATH& Skills (5)

BASIC EDUCATION FOR ADULTS

Develop fundamental reading, language, math, and/or technology skills needed for success in a college math I-BEST course.

Prerequisite/Corequisite: CSS 103 with a C or higher

IBE 040 I-BEST Chemistry Skills (5)

BASIC EDUCATION FOR ADULTS

Develop fundamental reading, MATH, and/or technology skills needed for success in CHEM 121 I-BEST course.

Prerequisite/Corequisite: CSS 103 with a C or higher (or concurrent enrollment).

IBE 050 I-BEST Academic Skills for ECED (2)

BASIC EDUCATION FOR ADULTS

Develop fundamental reading, writing, study, and/or technology skills needed for success in Early Childhood Education I-BEST course.

Prerequisite/Corequisite: CSS 103 with a C or higher.

IBE 051 I-BEST Academic Skills for EDUC (2)

BASIC EDUCATION FOR ADULTS

Develop fundamental reading, writing, study, and/or technology skills needed for success in EDUC I-BEST courses.

Prerequisite/Corequisite: CSS 103 with a C or higher.

IBOD 020 Open Doors I-BEST English Skills (5)

Develop fundamental reading, writing, and/or technology skills needed for success in ENGL 101 I-BEST course.

Prerequisite/Corequisite: CSS 103 with a C or higher.

8 Course Descriptions

IBOD 030 Open Doors I-BEST Math Skills (5)

BASIC EDUCATION FOR ADULTS

Develop fundamental reading, language, math, and/or technology skills needed for success in I-BEST math courses.

Prerequisite/Corequisite: CSS 103 with a C or higher OR ODHS 018 with a C or higher.

IBOD 031 Open Doors I-BEST MATH& Skills (3)

BASIC EDUCATION FOR ADULTS

Develop fundamental reading, language, math, and/or technology skills needed for success in I-BEST math courses.

Prerequisite/Corequisite: CSS 103 with a C or higher OR ODHS 018 with a C or higher.

IBOD 040 Open Doors I-BEST Chemistry Skills (5)

BASIC EDUCATION FOR ADULTS

Develop fundamental reading, language, math, and/or technology skills needed for success in I-BEST math courses.

Prerequisite: CSS 103 with a C or higher OR ODHS 018 with a C or higher (or concurrent enrollment).

IBOD 050 Open Doors I-BEST Academic Skills for ECED (2)

BASIC EDUCATION FOR ADULTS

Develop fundamental reading, writing, study, and/or technology skills needed for success in Early Childhood Education courses.

Prerequisite: CSS 103 with a C or higher.

IBOD 051 Open Doors I-BEST Academic Skills for EDUC (2)

BASIC EDUCATION FOR ADULTS

Develop fundamental reading, writing, study, and/or technology skills needed for success in EDUC I-BEST courses.

Prerequisite: CSS 103 with a C or higher.

INV 011 INVEST Orientation (2)

BASIC EDUCATION FOR ADULTS

Students develop tools and skills to prepare for academic, employment, and personal success. Specific emphasis on academic and career goal setting, resources, and success strategies. Topics include study skills, goal-setting, college policies and resources, programmatic requirements, and accessing local and state resources, academic and career planning, time management, relationships, and self-empowerment.

Prerequisite: None.

INV 020 INVEST Digital Technology (1-5)

BASIC EDUCATION FOR ADULTS

Provides opportunities for INVEST students to learn assistive and learning technologies, explore learning styles, and develop study and test-taking strategies. Students receive instruction in learning and applying reading strategies and navigating college courses.

Prerequisite: None.

INV 030 INVEST Communication and Self-advocacy (4)

BASIC EDUCATION FOR ADULTS

Students develop an understanding of the key differences between the child and adult service structures for people with disabilities. The course provides a framework for disclosure of disability in academic and career settings. Students will explore the advantages and disadvantages of disclosure while practicing self-advocacy skills in school and work-based environments. Students explore the differences between casual and professional communication and demonstrate effective communication strategies in higher education and employment settings.

Prerequisite: None.

INV 035 INVEST Critical Thinking (2)

BASIC EDUCATION FOR ADULTS

Students gain skills and practice in evaluating information from a variety of sources to make informative decisions relating to learning, life choices, and employment.

Prerequisite: None.

INV 040 INVEST Career Inventory (2)

BASIC EDUCATION FOR ADULTS

Students to use previous experiences, skills, interests, and assessments to guide career development. Students set short and long term employment goals, practice interviewing, and development employment related materials such as resume, cover letter, and diversity statement.

Prerequisite: None.

INV 045 INVEST Interview Skills (2)

BASIC EDUCATION FOR ADULTS

Students learn to communicate skills and strengths to potential employers. Students will engage in mock interviews in class and will be able to watch and critique themselves on video.

Prerequisite: None.

INV 050 INVEST Balancing Work and Life (2)

BASIC EDUCATION FOR ADULTS

Develop understanding and skills necessary to balance work, school, and personal life, minimizing potential barriers to success. Participate in discussions aimed at better understanding the impact that complex social situations and a variety of other factors can have on life success. Practice using a range of organizational tools that assist with time management, develop strategies to identify and solve problems, and create a final project that addresses a student's individual plan, strategies, and tools.

Prerequisite: None.

INV 055 INVEST Study Lab (1-5)

BASIC EDUCATION FOR ADULTS

Independent guided study lab to support students in meeting learning objectives for the INVEST program.

Prerequisite: None.

INV 060 INVEST Elective (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes through attendance in SVC courses or independent study.

Prerequisite: None.

8 Course Descriptions

INV 061 INVEST Fine and Performing Arts (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in fine or performing arts through classroom instruction or independent study.

Prerequisite: None.

INV 062 INVEST Industrial Arts (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in industrial arts through classroom instruction or independent study.

Prerequisite: None.

INV 063 INVEST Food and Hospitality (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in food and hospitality through classroom instruction or independent study.

Prerequisite: None.

INV 064 INVEST Business Technology (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in business technology through class instruction or independent study.

Prerequisite: None.

INV 065 INVEST Health and Wellness (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in health and wellness through classroom instruction or independent study.

Prerequisite: None.

INV 066 INVEST Media and Journalism (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in Media or Journalism through classroom instruction or independent study.

Prerequisite: None.

INV 067 INVEST Leadership and Communication (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in leadership and/or communication studies through classroom instruction or independent study.

Prerequisite: None.

INV 068 INVEST Customer Service (1-5)

BASIC EDUCATION FOR ADULTS

This course focuses on the importance of customer service and developing a customer-friendly approach that is right for every business. It covers the do's and don'ts of dealing with customers and the benefits of providing great customer service.

Prerequisite: None.

INV 069 INVEST Sciences (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in science through classroom instruction or independent study.

Prerequisite: None.

INV 070 INVEST Service Learning (1-8)

BASIC EDUCATION FOR ADULTS

Examines civic responsibility and membership through service-related learning activities with local organizations and groups. Students form teams and identify meaningful ways to contribute to their communities.

Prerequisite: None.

INV 071 INVEST Fine and Performing Arts II (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in fine or performing arts through classroom instruction or independent study.

Prerequisite: None.

INV 072 INVEST Industrial Arts II (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in industrial arts through classroom instruction or independent study.

Prerequisite: None.

INV 073 INVEST Food and Hospitality II (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in food and hospitality through classroom instruction or independent study.

Prerequisite: None.

INV 074 INVEST Business Technology II (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in business technology through classroom instruction or independent study.

Prerequisite: None.

INV 075 INVEST Practicum Seminar (1-6)

BASIC EDUCATION FOR ADULTS

Students participate in the practicum seminar while simultaneously completing community-based internships, combining classroom theory with practical experience gained in the workplace. The practicum experiences are tied directly to students' career goals and employment plan developed with Employment Consultant and employment agency. Students will discuss and track progress toward practicum learning outcomes, discuss issues and concerns that happen on the job with instructors and peers, and role-play effective on the job communication strategies.

Prerequisite: None.

INV 076 INVEST Media and Journalism II (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in media or journalism through classroom instruction or independent study.

Prerequisite: None.

INV 077 INVEST Leadership and Communication II (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in leadership and/or communication through classroom instruction or independent study.

Prerequisite: None.

INV 079 INVEST Sciences II (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in science through classroom instruction or independent study.

Prerequisite: None.

8 Course Descriptions

INV 080 INVEST Employment Internship (6)

BASIC EDUCATION FOR ADULTS

Students gain real world work experience and practice employability skills in a supervised job setting.

Prerequisite: None.

INV 081 INVEST Fine and Performing Arts III (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in fine or performing arts through classroom instruction or independent study.

Prerequisite: None.

INV 082 INVEST Industrial Arts III (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in industrial arts through classroom instruction or independent study.

Prerequisite: None.

INV 083 INVEST Food and Hospitality III (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in food and hospitality through classroom instruction or independent study.

Prerequisite: None.

INV 084 INVEST Business Technology III (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in business technology through classroom instruction or independent study.

Prerequisite: None.

INV 085 INVEST Health and Wellness II (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in health and wellness through classroom instruction or independent study.

Prerequisite: None.

INV 086 INVEST Media and Journalism III (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in media or journalism through classroom instruction or independent study.

Prerequisite: None.

INV 087 INVEST Leadership and Communication III (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in leadership and/or communication through classroom instruction or independent study.

Prerequisite: None.

INV 089 INVEST Sciences III (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in science through classroom instruction or independent study.

Prerequisite: None.

INV 090 INVEST Capstone (3)

BASIC EDUCATION FOR ADULTS

Students prepare a portfolio of their work within INVEST, which will allow them to track and be aware of their own growth, accomplishments, learning, and employment readiness. The portfolio serves as their culminating project.

Prerequisite: None.

INV 095 INVEST Health and Wellness III (1-15)

BASIC EDUCATION FOR ADULTS

Students meet individualized learning outcomes in health and wellness through classroom instruction or independent study.

Prerequisite: None.

JAPN 100 Introduction to Japanese Language (3)

HUMANITIES

Introduction to Japanese culture and language with emphasis on speaking, listening, and comprehension of the spoken word.

Prerequisite: Grade of 2.0 or higher in ENGL 097, or AESL 098, or appropriate test score.

JAPN& 121 Japanese I (5)

HUMANITIES

Pronunciation, vocabulary development, reading and writing of Hiragana, fundamentals of grammar and syntax, oral exercises, reading, conversation, and cultural studies.

Prerequisite: Grade of 2.0 or higher in ENGL 097, or AESL 098, or appropriate test score.

JAPN& 122 Japanese II (5)

HUMANITIES

Continued study of pronunciation; vocabulary development; reading and writing of Hiragana, Katakana, and Kanji; fundamentals of grammar and syntax; oral exercises; reading; conversation; and cultural studies.

Prerequisite: JAPN& 121 with a "C" or higher.

JAPN& 123 Japanese III (5)

HUMANITIES

Expand verbal and written communication skills; continue study of grammar and syntax, oral exercises, reading, conversation, and culture. Read and write Hiragana, Katakana, and approximately 200 Kanji characters.

Prerequisite: JAPN& 122 with a "C" or higher.

JAPN 299 Learning into Action (1-15)

HUMANITIES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

JOUR 101 Introduction to Journalism and Newswriting (5)

HUMANITIES

The course is designed to develop skill in investigative research and reporting, news-writing, and the basic principles of journalism. This introductory class focuses primarily on researching, writing/reporting skills.

Prerequisite: ENGL& 101 with a "C" or higher.

JOUR 201 Newspaper Production and Editing (2)

HUMANITIES

This course focuses on the development of skills in editing, desk-top publishing, and multi-media communication using basic principles of journalism and emphasizing production management and editorial leadership. It is designed for students interested in or already filling the positions of Editor, Assistant Editor, or Advertising Manager of the student newspaper. This course is repeatable up to 6 credits.

Prerequisite: JOUR 101 with a "C" or higher.

8 Course Descriptions

JOUR 202 Advanced Newswriting (2)

HUMANITIES

This course is designed to enhance newswriting skills as part of a student newspaper by expanding research and interviewing skills into investigative reporting, page editing, and multi-media writing experiences. This course is repeatable up to 6 credits.

Prerequisite: JOUR 101 with a "C" or higher.

LIB 201 Critical Information Studies and Research Methods (5)

SOCIAL SCIENCES

This course empowers students to find, evaluate and use information sources and critically think about the nature of information in both a scholarly setting and in society.

Prerequisite: None.

MANF 102 Introduction to Manufacturing (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to skills required for Manufacturing Technology. Topics include the history and evolution of manufacturing, quality control tools, green manufacturing, and computer competency. Includes learning how to measure and control quality, apply Lean manufacturing concepts, and exposure to working factory environments at local companies.

Prerequisite: None.

MANF 103 Introduction to Quality Assurance (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to the principles and purpose of Quality Assurance Management including an overview and awareness of the history, concepts and theory of quality as it relates to today's industrial/manufacturing environment. Examines issues affecting quality in manufacturing, and provides the statistical methods and the management philosophy which allow problems in production processes to be found and fixed resulting in continuous quality improvement. Gain a basic understanding of the quality control tools used in industry.

Prerequisite: MANF 110 with a "C-" or higher.

MANF 110 Introduction to Manufacturing (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Overview of the manufacturing sector including a historical look at manufacturing systems and organizations. Introduction to materials processing, industry standards, manufacturing methodologies, and different types of technology used in manufacturing (personal computers, data collection and analysis systems, automated equipment). Introduces the fundamentals of quality tools including histograms and control charts (SPC) and how they are used in manufacturing. Includes an introduction to the concepts of lean manufacturing, "just in time," and "green" as applied in industry. Industry speakers, career exploration and industry site visits included.

Prerequisite: None.

MANF 114 Manufacturing Advanced Skills Onboarding (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Creates a foundational base for exploring three key disciplines in manufacturing: Composite Technology, Electronics, and CAD/CAM/CNC. Introduction to the key applications and concepts for these disciplines. Topics cover terminology, safety and tools used in these industries.

Prerequisite: None.

MANF 115 Introduction to Computer Numeric Controlled (CNC) Operations (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to Computer Numeric Controlled (CNC) machine operation theory and practice. Covers basic G&M codes needed to program and operate CNC machinery. Gain hands-on access to CNC laser cutting and milling workstations.

Prerequisite: None.

MANF 120 Industrial Safety (2)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Instruction on safety topics and practices specifically related to industrial work environments. Topics include personal protective equipment, safety working with heavy industrial equipment, energy lock-out/tag-out procedures, material handling, electrical safety, machine guarding, fire prevention, hazard identification and control, and safety inspection practices. Students successfully completing this course will receive OSHA 10 certification.

Prerequisite: None.

MANF 121 First Aid and CPR (1)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Basic First Aid, CPR and AED training. Students will receive a First Aid and CPR card upon completion.

Prerequisite: None.

MANF 122 Material Science in Manufacturing (2)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Material Science is a study of the nature, structure, characteristics, and properties of natural and synthetic materials used in contemporary industry. Introduction to the industrial materials most often found in manufacturing operations and facilities ranging from traditional metals, ceramics, and polymers, to advanced engineering materials and composites. Emphasis will be placed on understanding how the structure and properties for industrial uses influence material selection, and the selection of processes used in the conversion of those materials into useful products.

Prerequisite: None.

MANF 123 CAD/CAM for Manufacturing I (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Focuses on foundational Computer-Aided Design (CAD) techniques such as 2D drafting and simple 3D modeling, along with basic Computer-Aided Manufacturing (CAM) processes such as generating toolpaths for devices like laser cutters or 3D printers. Practice creating toolpaths, managing files, and using measurement feedback to refine digital models, emphasizing clear, organized workflows aligned with modern manufacturing practices.

Prerequisite: None.

8 Course Descriptions

MANF 124 CAD/CAM for Manufacturing II (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Expands digital design skills to include complex 3D modeling, multi-axis Computer-Aided Manufacturing (CAM) toolpath generation, and fixture design for Computer Numeric Control (CNC) manufacturing processes such as milling and turning. Refine parts using inspection data, integrate design-for-manufacturability principles, and maintain clear iteration logs, emphasizing the connection between conceptual models and practical production for efficient workflows and reliable outcomes.

Prerequisite: MANF 123 with a C or higher.

MANF 125 Precision Measurement and Tools (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to the science of metrology (precision measurement and tolerances), and the basic hand and machine tools commonly used in a manufacturing workplace. Reviews the fundamental skills required to perform precision dimensional measurements and introduces the concepts of Statistical Process Control (SPC). Identify and classify a variety of basic hand and machine tools as well as common fasteners.

Prerequisite: None.

MANF 127 Manufacturing Math (2)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Applies the mathematical concepts taught in WMATH 100 to a manufacturing specific context. Focuses on basic statistics, trigonometry and summation notation.

Prerequisite: WMATH 100 with a "C-" or higher or concurrent enrollment.

MANF 132 Material Science (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to industrial materials most often found in manufacturing operations. Develop an understanding of how the structure and properties of materials for industrial uses influence material selection and the selection of processes used in the conversion of those materials into useful products. Apply material knowledge to the prototype and materials testing process.

Prerequisite: MANF 137, MANF 148, and ENGR& 114 all with a grade of C- or higher.

MANF 137 Precision Measurement (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to the science of metrology (precision measurement and tolerances), commonly used in a manufacturing workplace. Review fundamental skills required to perform precision dimensional measurements and apply the concepts of Statistical Process Control (SPC). Inspect manufactured products, collect the data, and analyze the results.

Prerequisite: MANF 102 with a grade of C- or higher.

MANF 140 Print Reading in Manufacturing (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to the fundamentals of blueprint reading emphasizing industrial drawings commonly used in manufacturing. Review symbol conventions and visualization of solid objects from orthographic and isometric projections, the interpretation of technical drawings, and the skills required in print reading applying basic ASME standard techniques, as a form of communication. Students read, interpret and sketch drawings.

Prerequisite: None.

MANF 145 Electronics Fundamentals (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to basic electronics (AC/DC) theory and applications. Covers direct current analysis and function of resistive circuits, semiconductor function and applications, and basic digital logic as it applies to automation devices and equipment. Fundamental theories and laws (Ohm's Law and Kirchoff's Law) of electronics will be reviewed. Provides practical hands-on experience with basic DC, AC, and electronic circuits. Also covers basic procedures required to work with electronics safely and effectively in an industrial work setting.

Prerequisite: None.

MANF 148 Production Lab I (7)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to the principles of modern manufacturing. Experience the industrial environment through team projects and production assignments. Explore issues affecting quality in manufacturing and how to control these processes.

Prerequisite: MANF 102 with a grade of C- or higher.

MANF 149 Production Lab II (7)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Explore the design choices and material aspects affecting quality in manufacturing. Work with a production team to prototype and test products for an upcoming product launch.

Prerequisite: MANF 137, MANF 148, and ENGR& 114 all with a grade of C- or higher.

MANF 150 Sensor Systems and Applications (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to devices and circuits used in industrial applications: sensors and transducers, control circuits, electronic signals, thyristor devices, transformers, motors and motor control. Covers basic digital theory and measurement techniques used in computer controlled industrial systems to monitor flow, temperature, proximity, pressure, level and toxic gas. Introduction to processors and programming used in common industrial applications.

Prerequisite: MANF 145 with a "C-" or higher.

MANF 156 Introduction to Automated Systems (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Overview of how electronic and mechanical systems are used in the design and manufacture of products and processes. Using electronic principles and test equipment, learn how industrial control systems are designed to integrate digital controls in the processing of data. Introduction to microcontrollers, robotic principles, automation systems, motor and servo-control systems.

Prerequisite: MANF 150 with a "C-" or higher.

8 Course Descriptions

MANF 177 Quality Control Metrics and Applications (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to fundamental quality assurance techniques and applications. Covers measurement techniques and procedures based on industry standards and practices. Introduction to advanced precision measurement techniques, methods of inspection, and interpretation of data including Run Charts, Process Capability, Gage R&R, and writing technical quality reports. Areas of study include product quality, process quality, and subjective quality standards.

Prerequisite: MANF 103 with a "C-" or higher.

MANF 190 Computer Numeric Controlled (CNC) Basics (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Explores the Computer Aided Drawing (CAD), Computer Aided Machining (CAM), and the Computer Numeric Controlled (CNC) process. Included are the basics of CNC machine operation, advanced print reading and programming methodologies. Gain hands-on experience with conversational programming of CNC equipment.

Prerequisite: MANF 115 with a "C-" or higher.

MANF 195 Introduction to Robotics (2)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Using electronics principles and test equipment, students are introduced to microcontrollers, robotics, automation systems, robotic motor and servo control systems.

Prerequisite: None.

MANF 199 Internship Experience (1-15)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Supervised work experience in the field. Includes a weekly seminar.

Prerequisite: Instructor permission required.

MANF 205 Advanced Computer Numeric Control (CNC) (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Study of Computer Numeric Control (CNC) in the manufacturing environment. Topics include manufacturing applications of CNC, machining techniques, and CNC programming/operation in a production setting. Develop CAD 3D models that are processed through computer aided machining software and then executed on CNC machining centers.

Prerequisite: MANF 190 with a "C-" or higher.

MANF 210 Total Productive Maintenance (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to electrical and mechanical systems, and rigging. Describes the history, evolution, and elements of Total Productive Maintenance (TPM) and explains how TPM helps reduce losses and waste. Explores the fundamentals of facilities layout, process selection and the principles of optimizing equipment efficiency.

Prerequisite: MANF 177 with a "C-" or higher.

MANF 215 Advanced Inspection (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Advanced study of quality tools and metrics. Includes physical inspection methods, statistical metrics for quality assurance and acceptance sampling. Focuses on geometric dimensioning and tolerancing applied to physical inspection.

Prerequisite: MANF 177 with a "C-" or higher.

MANF 218 Project Management (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to project management including behaviors of project management teams, the structure of projects and work breakdown, planning and scheduling, PERT/CPM analysis, risk management, current topics in project management, and project management software.

Prerequisite: None.

MANF 220 Supply Chain Management (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to the concept of supply chain management including key issues, goals and trends, global supply chains, responsibilities of supply chain managers and procurement. Explore current technologies for inventory management. Examine logistics and supplier relationships through case studies in both a manufacturing and service environment.

Prerequisite: None.

MANF 222 Sensor Systems and Application (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to devices and circuits used in industrial applications including basic digital logic as it applies to automation devices and equipment. Covers basic digital theory and measurement techniques used in computer controlled industrial systems to monitor flow, temperature, proximity, pressure, level, and toxic gas. Introduction to processors and programming used in common industrial applications. Provides practical hands-on experience with basic DC, AC, and electronic circuits.

Prerequisite: MANF 114 with a grade of C- or higher.

MANF 227 Automated Systems (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Overview of how electronic and mechanical systems are used in the design and manufacture of products and processes. Using electronic principles and test equipment, students will learn how industrial control systems are designed to integrate digital controls in the processing of data. Introduction to microcontrollers, robotic principles, automation systems, motor and servo-control systems.

Prerequisite: MANF 222 with a grade of C- or higher.

MANF 242 Computer Numeric Controlled (CNC) Operations (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Explores the Computer Aided Drawing (CAD), Computer Aided Machining (CAM), and the Computer Numeric Controlled (CNC) processes. Included are the basics of CNC machine operation, advanced print reading and programming methodologies. Gain hands on experience with conversational programming of CNC equipment.

Prerequisite: MANF 114 with a grade of C- or higher.

MANF 247 Advanced Computer Numeric Control (CNC) (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Study of Computer Numeric Control (CNC) in the manufacturing environment including manufacturing applications of CNC, machining techniques, and CNC programming/operation in a production setting. Students will develop CAD 3D models that are processed through computer-aided machining software and then executed on CNC machining centers.

Prerequisite: MANF 242 with a grade of C- or higher.

8 Course Descriptions

MANF 250 Shop Supervision (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

The study of personnel and process management in an industrial environment. Explores the supervisor's role in an organization and effective leadership skills. Focuses on problem-solving applications, effective safety techniques, and successful communication concepts.

Prerequisite: MANF 177 with a minimum grade of C- or instructor permission.

MANF 256 Operations Management (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Study the role of operations managers in industry. Explore both strategic issues and practical applications. Apply the tools of decision making, process selection, capacity planning, and management of quality to a case study environment.

Prerequisite: MANF 218 and MANF 250 with a "C-" or higher.

MANF 262 Composite Construction (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to the concept and application of fiber reinforced plastic. Students will manually layup composite materials and participate in the Vacuum Infusion/Light RTM processes. An overview of the mold making process, reinforcement properties and methods, and coring materials is included.

Prerequisite: MANF 114 with a grade of C- or higher.

MANF 267 Advanced Composites (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to advanced composite manufacturing with an emphasis on thermoset pre-impregnated (prepreg) fiber technology. Students will be provided with hands-on training in manufacturing with epoxy resins and prepregs using common types of advanced fiber reinforcements and oven cures. Students also explore more advanced non-destructive testing and inspection methods.

Prerequisite: MANF 262 with a grade of C- or higher.

MANF 277 Capstone Manufacturing Project: Automation (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

In a team environment, students will employ the skills gained throughout the program to develop products for manufacture and/or make improvements to the manufacturing processes employed in the SVC Production Lab. In addition, students will apply computer-aided automation technology to support continuous improvement efforts within the production environment.

Prerequisite: MANF 227 with a grade of C- or higher.

MANF 278 Capstone Manufacturing Project: Computer Aided Machining (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

In a team environment, employ the skills gained throughout the program to develop products for production in, or improvements of, the SVC Production Lab. Apply computer aided machining technology to continuous improvement efforts of the production environment.

Prerequisite: MANF 247 with a grade of C- or higher.

MANF 279 Capstone Manufacturing Project: Composite Technology (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

In a team environment, students will employ the skills gained throughout the program to develop products for production in the SVC Production Lab. In addition, Students will apply composite technology to support continuous improvement efforts within the production environment.

Prerequisite: MANF 267 with a grade of C- or higher.

MANF 304 Foundations of Advanced Manufacturing and Design (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction and orientation to skills, tools, and resources used throughout the Bachelor of Applied Science in Advanced Manufacturing and Design program. Examine learning strategies and techniques of effective team members and leaders; explore the development of modern manufacturing practices; solve engineering problems using principles of geometry, algebra, and trigonometry; and review the fundamentals of design using CAD/CAM tools.

Prerequisite: Admission to BASAMD program and department chair permission.

MANF 311 Production Tooling and Automation (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Apply practical manufacturing techniques to theoretical challenges, such as design tooling, fixtures, and automation solutions for design challenges. The resulting designs incorporate conceptual exploration with practical demands.

Prerequisite: Admission to BASPD program and BASPD Director permission.

MANF 334 Manufacturing Materials, Processes, and Systems (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Explore manufacturing equipment, processes, and systems used to convert material feedstock to finished products. Review and analyze traditional and advanced manufacturing processes and systems; develop solutions to engineering problems related to manufacturing processes and production; use CAD/CAM software to create tooling and part files used in the manufacturing process; and use manufacturing equipment to produce intermediate and finished products.

Prerequisite: BASAMD Department Chair permission.

MANF 354 Industrial Safety (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to Industrial Health and Safety practices and hazards related to manufacturing facilities. Explore topics of hazard assessment, prevention, control, and use of PPE; investigate the application of human factors (ergonomics) in accident prevention; consider regulator policies and procedures for operation of facilities and equipment. Examine the ethical responsibility of individuals and organizations in developing a safety-first culture.

Prerequisite: BASAMD Department Chair permission.

8 Course Descriptions

MANF 370 Product Validation (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Define functional parameters of a specific design through research of applicable standards. Prototypes will be benchmarked against competitive designs. The scope of production will be explored through forecasting. Develop control models from the final product design to be utilized by the production team.

Prerequisite: BASPD Director permission.

MANF 394 Product Design and Development (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Explore the process of product development and collaborative problem-solving in the context of preparing for a production run. Explore strategies for working effectively; use CAD/CAM tools to design and run simulations on a prototype product. Use shop equipment and tools to prototype, assemble, and test a finished product; and produce industry standard documentation of the full manufacturing process.

Prerequisite: BASAMD Department Chair permission.

MANF 424 Toyota Production System (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Explores lean manufacturing through the Toyota Production System philosophy, emphasizing waste elimination, continuous improvement (Kaizen), and just-in-time practices. Analyze production processes, implement tools such as 5S and Kanban, and foster a quality-focused culture. Projects tie lean methods to practical production scenarios to solidify foundational knowledge.

Prerequisite: Admission to BASAMD program and department chair permission.

MANF 426 Prototyping (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Explore and implement several iterations of the product design to confirm functionality, customer satisfaction, and manufacturability. Start with feasibility studies; then, move to visual and functional prototypes. The culminating project runs the alpha prototype through the Product Validation process.

Prerequisite: BASPD Director permission.

MANF 435 Practical Design Applications (7)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Identify business aspects of industrial design and apply these principles to design projects. Focuses on entrepreneurialism. Begin to develop processes and infrastructure to progress into full production initiating the process of realizing a finalized design.

Prerequisite: BASPD Director permission.

MANF 437 Contracts and Vendor Relations (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Participate in vendor screening and selection. Apply sound supply chain principles to the validation of vendor relations and ultimately, to the final negotiations of contracts with manufacturing suppliers.

Prerequisite: BASPD Director permission.

MANF 439 First Article Inspection and Process Control (7)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Capitalize on knowledge and skills learned through the design validation process to design robust inspection protocols for production. Through the First Article Inspection process, product design/production process compatibility is validated. Inspection process documents are developed to ensure consistent product quality.

Prerequisite: BASPD Director permission.

MANF 442 Enterprise Resource Planning (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Utilize the systems and planning tools used in manufacturing. Develop and deploy a product program within an enterprise resource planning (ERP) system. Apply practical applications of material requirement planning (MRP), and aggregate planning.

Prerequisite: BASPD Director permission.

MANF 454 Industrial Automation (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Examines automation principles and applications in advanced manufacturing. Configure and integrate technologies such as robotic cells, sensors, SCADA systems, and digital twins to optimize manufacturing processes. Emphasizes data analytics, collaborative robotics, and rigorous safety protocols to enhance operational efficiency and ensure workplace safety.

Prerequisite: Admission to BASAMD program and department chair permission.

MANF 464 Sustainable Manufacturing (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Examines principles and practices for environmentally conscious manufacturing and business continuity. Explore strategies such as efficient resource use and waste reduction, integrating sustainability into decision-making. Case studies and projects analyze environmental, economic, and social impacts, guiding the design of manufacturing approaches that balance productivity with environmental and social responsibility.

Prerequisite: Admission to BASAMD program and department chair permission.

MANF 494 Production Lab: Capstone I (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

First of a three-quarter capstone sequence addressing an advanced manufacturing challenge, emphasizing project planning, design, prototyping, and robust safety and quality practices. Integrate inter-disciplinary concepts such as spiral design, lean manufacturing, automation, materials testing, and supply chain management to develop an initial solution for a real-world manufacturing problem.

Prerequisite: Admission to BASAMD program and department chair permission.

MANF 495 Production Lab: Capstone II (7)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Continues the capstone sequence and focuses on prototype construction, pilot production runs, and formal testing protocols in an ongoing project. Refine designs or processes, collect and analyze performance data, and evaluate project milestones. Emphasizes integrating advanced manufacturing techniques with rigorous safety and quality standards for iterative improvements, supported by strong collaboration and clear documentation.

Prerequisite: Admission to BASAMD program and department chair permission.

8 Course Descriptions

MANF 496 Production Lab: Capstone III (7)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Concludes the capstone sequence and involves rigorous testing, troubleshooting, and iterative refinement of an advanced manufacturing project. Validate results, compile comprehensive documentation, and deliver professional presentations. Emphasizes effective communication of project findings and a thorough evaluation of the project's broader environmental, economic, and social impacts.

Prerequisite: Admission to BASAMD program and department chair permission.

MATH 007 Algebra for Math in Society (3)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Corequisite support course for MATH& 107. Intermediate algebra topics including linear and exponential functions, graphing, and inequalities. College success strategies addressing time management, math anxiety, and study skills are reinforced throughout the course. Concurrent enrollment in MATH& 107 required.

Prerequisite: A grade of C or better in Math 096; placement into Math 097 or Math 098.

MATH 015 Technical Math for Diesel Mechanics (1)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Whole numbers, fractions, decimals, percentages, measurements, ratios, proportions, and averages.

Prerequisite: None.

MATH 046 Algebra for Introduction to Statistics (3)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Corequisite support course for MATH& 146. Topics include order of operations, fraction and decimal conversions, applications involving percentages, solving linear, rational and radical equations, and graphing. College success strategies addressing time management, test taking strategies, and study skills are reinforced throughout the course. Concurrent enrollment in MATH& 146 required.

Prerequisite: A grade of "C" or better in Math 096; placement into Math 097 or Math 098.

MATH 087 Special Topics in Math (1-10)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Foundational and specialized aspects of math being studied under the MATH 87 umbrella will receive a PASS grade for acceptable progress. A letter grade for MATH 87 is only given when a student has completed the MATH 96 material with a passing grade (C or better), and is ready for MATH 97 or HMATH 100 or WMATH 100.

Prerequisite: None.

MATH 095 Basic Mathematics (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Students will review and apply basic math skills while exploring topics in geometry.

Prerequisite: None.

MATH 096 Pre-Algebra (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

A course designed to review arithmetic concepts and introduce algebra. Topics include: fractions, ratio and proportion, percent, basic geometry, U.S. and metric systems of measurement, and an introduction to algebra.

Prerequisite: Math 095 with a grade of C or higher, or equivalent math placement score.

MATH 097 Elementary Algebra (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

This is a beginning course in algebra. Topics include: algebraic expressions; linear equations and inequalities; systems of linear equations and inequalities; and an introduction to polynomials and factoring.

Prerequisite: MATH 096 with a "C" or higher (or placement into MATH 097/WMATH 100).

MATH 099 Intermediate Algebra (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

This course builds on topics from Math 97. Topics include: an introduction to polynomials and factoring; quadratic, rational, radical, exponential, and logarithmic functions and equations; complex numbers; composite and inverse functions; distance formula and circles.

Prerequisite: MATH 97 with a grade of C or higher, or appropriate math placement score.

MATH& 107 Math in Society (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Explores practical applications of mathematics that arise in everyday life. Emphasizes numerical and logical reasoning, mathematical decision making, mathematical symbols, techniques and computations. The core course topics include proportional reasoning, consumer finance, probability, descriptive statistics, and growth and decay models (linear and exponential). Satisfies the Quantitative Reasoning portion of the AA-DTA degree.

Prerequisite: A grade of C or higher in MATH 97 or CCB 43; or placement into MATH& 107; or C or higher in MATH 96 or CCB 42 and co-enrollment in MATH 7; or placement into MATH 97 and co-enrollment with MATH 7.

MATH 130 Math for Early Childhood Educators (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

This mathematics course is designed to provide students with a comprehensive understanding of essential mathematical concepts and skills that are crucial for their development as mathematically literate individuals. Through a combination of hands-on activities, problem-solving exercises, and engaging discussions, students will explore various mathematical topics, gain proficiency in mathematical operations, and develop a deep appreciation for the beauty of mathematics.

Prerequisite: Admission to BASECE program.

MATH& 141 Precalculus I (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Precalculus I is the study of functions including piecewise, polynomial, rational, exponential and logarithmic functions and their graphs; systems of equations; inequalities; curve sketching and transformations. Graphing technology is required.

Prerequisite: MATH 099 with a grade of C or higher, or equivalent math placement score.

MATH& 142 Precalculus II (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

The second course in a two-course sequence for students who intend to take calculus beginning with Math& 151. Topics include right triangle trigonometry and applications, solutions of oblique triangles, unit circle trigonometry and applications, identities, inverse trigonometric functions, solving equations, graphing and modeling, introduction to polar coordinates, complex numbers, vectors and conic sections. Graphing technology required.

Prerequisite: MATH& 141 with a grade of C or higher, or equivalent math placement score.

8 Course Descriptions

MATH& 146 Introduction to Statistics (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

This course is an introduction to probability and statistics using statistical inference as its theme. Topics include sampling techniques, probability and probability distributions, inferential methods including confidence intervals and hypothesis tests, regression and correlation. Designed to serve students of all interests requiring an introductory statistics course, including social science, business, and nursing majors. Statistical technology required.

Prerequisite: A grade of C or higher in MATH 97 or CCB 43; or placement into MATH& 146; or C or higher in MATH 96 or CCB 42 and co-enrollment in MATH 46; or placement into MATH 97 and co-enrollment with MATH 46.

MATH& 148 Business Calculus (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Introduces differential and integral calculus for students in business, management, behavioral and social science, or disciplines needing only one quarter of calculus. Topics include limits and continuity, differentiation techniques and applications, integration techniques and applications. Graphing technology required.

Prerequisite: Math& 141 with a grade of C or higher, appropriate placement score, or instructor permission.

MATH 149 Tutoring Skills for Mathematics (3)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Provides preparation and practical experience for tutoring mathematics courses. Students will examine differences in student learning styles as well as a variety of teaching techniques. Emphasis will be placed on developing an effective tutoring style. Two hours of scheduled tutoring per week will be required.

Prerequisite: MATH 099 with a "B" or higher.

MATH& 151 Calculus I (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

This is the first in a sequence of four calculus courses for students who are planning to major in engineering, mathematics, or the sciences, and introduces the concepts of limits and differentiation. Topics include limits of algebraic, trigonometric, and exponential functions, the derivative of a function and derivative techniques, curve sketching, and an introduction to antiderivatives. Graphing technology required.

Prerequisite: Math& 142 with a grade of C or higher, appropriate placement score, or instructor permission.

MATH& 152 Calculus II (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

This is the second in a sequence of four calculus courses for students who are planning to major in engineering, mathematics, or the sciences, and expands on the concept of the antiderivative and integration. Topics include integration of algebraic and transcendental functions, improper integrals, applications of integration including areas, volumes, work, hydrostatic force, centers of mass, and differential equations. Graphing technology required.

Prerequisite: MATH& 151 with a grade of C or higher.

MATH& 153 Calculus III (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

This is the third in a sequence of four calculus courses for students who are planning to major in engineering, mathematics, or the sciences. Topics include infinite sequences and series, parametric equations, vectors and vector-values functions in the plane and space, spherical and cylindrical coordinates. Graphing technology required.

Prerequisite: MATH& 152 with a grade of C or higher.

MATH 204 Elementary Linear Algebra (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Introduction to linear algebra covering systems of linear equations, matrices, vector spaces and subspaces, spanning sets, eigenvalues and eigenvectors, transformations, determinants and applications. Graphing Technology required.

Prerequisite: MATH& 151 with a "C" or higher.

MATH 238 Ordinary Differential Equations (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

An introductory course in differential equations. Topics include existence and uniqueness theorems, methods of solving first and second order differential equations, numerical methods, and Laplace Transforms. Graphing technology required.

Prerequisite: MATH& 153 with a "C" or higher.

MATH& 254 Calculus IV (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

This course is the last in a sequence of four calculus courses and continues with the concepts of vector valued functions and functions of several variables. Topics include limits and continuity of multivariable functions, partial differentiation, multiple integration, vector fields, line and surface integrals, Green's Theorem, Stokes' Theorem, and the Divergence Theorem. Graphing technology required.

Prerequisite: MATH& 153 with a "C" or higher.

MATH 299 Learning into Action (1-15)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

MGMT 316 Operations Management for Manufacturing (5)

SOCIAL SCIENCES

Explore and apply the concepts, principles, and practices of Operations Management to manufacturing organizations. Examine how goods will be produced, where production will take place, and how manufacturing facilities are laid out. Review how managers utilize data, schedule production activities, and monitor inventory. Explore how managers ensure that production meets specifications and quality standards; and consider the importance of continual improvement, operational effectiveness, and environmentally sustainable practices.

Prerequisite: BASAMD department chair permission.

8 Course Descriptions

MGMT 326 Principles of Finance for Manufacturing (5)

SOCIAL SCIENCES

Introduction to the application of financial management principles and practices in manufacturing organizations. Study and analyze the content of corporate financial statements and use the information as the basis for making business decisions. Evaluate cash flow statements and consider depreciation and tax implications for capital equipment purchases. Explore demand forecasting and examine ways to reduce bias and risk when making financial decisions.

Prerequisite: BASAMD department chair permission.

MGMT 336 Project Management for Manufacturing (5)

SOCIAL SCIENCES

Explore and apply project management tools and techniques for planning, implementing, administering, and communicating progress for both new and existing manufacturing projects. Review the general principles of project management and the project selection process. Examine methods for estimating project time and costs. Explore the process of developing a project plan, the key elements of being an effective project manager, and the strategies for managing project teams. Use software tools to develop, track, and evaluate a manufacturing team project.

Prerequisite: BASAMD department chair permission.

MGMT 426 Supply Chain Management for Manufacturing (5)

SOCIAL SCIENCES

Examines end-to-end manufacturing supply chains, emphasizing lean, efficient operations. Explore topics such as demand forecasting, procurement production planning, inventory control, and logistics. Focuses on aligning supply chain strategy with production needs, managing risk, and fostering continuous improvement for effective manufacturing operations.

Prerequisite: BASAMD department chair permission.

MGMT 456 Statistical Quality Control for Manufacturing (5)

SOCIAL SCIENCES

Focuses on statistical methods for quality improvement in manufacturing. Use tools such as control charts, capability studies, and design of experiments (DOE) to identify and address process variability. Emphasizes approaches such as failure mode and effects analysis (FMEA), continuous improvement frameworks, and data-driven management strategies, reinforced through relevant software applications.

Prerequisite: BASAMD department chair permission.

MIT 105 Video Game Development I (8)

ARTS AND COMMUNICATION

Through the creation of some classic 2D games (e.g. Pong, Breakout and Asteroids) students explore the basics of game development and coding. There is a strong focus on the fundamental building blocks of game development: the math, design principles and asset creation skills required to build a game.

Prerequisite: None.

MIT 115 Video Game Development II (8)

ARTS AND COMMUNICATION

Through the expansion of some classic 2D games (e.g. Breakout and Asteroids) students explore the development of game utilities (proofs-of-concept) that can be used as the building blocks for any type of game. There is a strong focus on the skills required to become an independent game developer: the vector math behind a game engine's collision detection routines, data structures for advanced coding and animation in both 2D and 3D environments.

Prerequisite: MIT 105 with a "D" or higher.

MIT 125 Introduction to Interactive Multimedia (5)

ARTS AND COMMUNICATION

Introduction to digital media terminology, concepts and trends. Use a variety of industry-leading software applications and technologies to create and design digital media.

Strongly recommended: Computer literacy and file management skills.

MIT 135 Multimedia Design (5)

ARTS AND COMMUNICATION

Introduction to the design factors that apply to multimedia. Includes basic design components for text, graphics, screen layout, color and the use of metaphor. Covers digital design for computers through a series of tasks and projects.

Strongly recommended: computer literacy and file management skills.

MIT 136 Introduction to Typography (5)

ARTS AND COMMUNICATION

Introduction to typography which is the art and science of arranging type to make written language legible, readable, and visually appealing. Provides a comprehensive understanding of the fundamental principles and practices of typography to create effective and aesthetically pleasing typographic designs.

Prerequisite: None.

MIT 149 Introduction to Web Page Design (5)

ARTS AND COMMUNICATION

Introduction to the technologies and concepts associated with website design and development. Create and design websites using HTML5 and Cascading Style Sheets (CSS3). Student websites will be published and critiqued.

Strongly recommended: Computer literacy and file management skills.

MIT 199 Cooperative Educational Experience (1-15)

ARTS AND COMMUNICATION

Supervised work experience in the field. Includes a weekly seminar.

Prerequisite: instructor permission.

8 Course Descriptions

MIT 205 Video Game Development III (8)

ARTS AND COMMUNICATION

This course focuses on game development as part of a project team. Each student, as part of a team, is tasked with creating a game from scratch from the design phase through production and post-production, using an agile development process.

Prerequisite: MIT 105 and MIT 115 with a "D" or higher.

MIT 212 Digital Videography (5)

ARTS AND COMMUNICATION

Introduction to digital videography. Essential techniques and hands on training on digital video equipment to capture quality digital video footage.

Strongly recommended: computer literacy and file management skills.

MIT 213 Digital Photography (5)

ARTS AND COMMUNICATION

Introduction to digital photography. Includes basic camera techniques. Covers camera features and functions, software, downloading, enhancing, transferring files and making photo-quality images.

Strongly recommended: computer literacy and file management skills.

MIT 220 Adobe InDesign (5)

ARTS AND COMMUNICATION

Introduction to basic and advanced page layout techniques. Use Adobe InDesign to design professional page layouts with graphics and typography.

Strongly recommended: computer literacy and file management skills.

MIT 226 Adobe Photoshop (5)

ARTS AND COMMUNICATION

Introduction to basic and advanced image editing techniques. Use Adobe Photoshop to create graphics, manipulate photographs, edit video, and prepare files for the web and print.

Strongly recommended: computer literacy and file management skills.

MIT 227 Adobe Premiere Pro (5)

ARTS AND COMMUNICATION

Introduction to basic and advanced video editing techniques. Use Adobe Premiere Pro to create import, edit and export digital video using transitions, compositing and other advanced effects.

Strongly recommended: computer literacy and file management skills.

MIT 228 Adobe Animate (5)

ARTS AND COMMUNICATION

Use Adobe Animate to create animation and interactivity for the web and video game programming.

Strongly recommended: computer literacy and file management skills.

MIT 229 Adobe Illustrator (5)

ARTS AND COMMUNICATION

Introduction to basic and advanced digital illustration. Use Adobe Illustrator to create vector-based graphics and artwork.

Strongly recommended: computer literacy and file management skills.

MIT 235 User Experience Design (UX) (5)

ARTS AND COMMUNICATION

Introduction to user experience (UX) design principles and patterns. Use Adobe XD to design contemporary prototypes for responsive websites and mobile apps.

Strongly recommended: computer literacy and file management skills.

MIT 240 Intermediate Web Design (5)

ARTS AND COMMUNICATION

Use HTML, CSS, JavaScript and other web authoring programs and tools to design, develop and publish media-rich, dynamic websites that are responsive and accessible.

Prerequisite: Strongly recommended: computer literacy and file management skills.

MIT 249 Advanced Web Page Design (5)

ARTS AND COMMUNICATION

Introduction to the technologies and issues associated with advanced website design and development. Create and design dynamic, accessible, responsive websites using HTML5, CSS3, JavaScript and other advanced web development technologies.

Prerequisite: computer literacy and file management skills as well as some experience with HTML and CSS strongly recommended.

MIT 260 Search Engine Optimization (5)

ARTS AND COMMUNICATION

Learn essential tips and search engine optimization techniques. Improve the number and quality of visitors to a Web site as well as the Web site's ranking on the most popular search engines.

Prerequisite: Strongly recommended: Computer literacy and file management skills.

MIT 270 CMS Fundamentals (5)

ARTS AND COMMUNICATION

A detailed look at the history, dynamics and types of Content Management Systems (CMS). Students will explore popular WordPress themes and will setup a free WordPress.com website.

Prerequisite: Strongly recommended: Computer literacy and file management skills as well as some experience with HTML and CSS.

MIT 280 Digital Portfolio (5)

ARTS AND COMMUNICATION

Design a web-based digital portfolio to be used as an interactive resume, an archive of work, and a demonstration of aptitude, skill and proficiency. The digital portfolio will serve as a marketing tool that showcases ability and preparation for a career in graphic design, photography, web design, and/or video game design.

Prerequisite: This is the capstone course within the MIT program. For students pursuing a certificate or degree in MIT, it is highly recommended that this course be taken during the students final quarter. Strongly recommended: Computer literacy and file management skills as well as experience with Web-based multimedia applications and tools is essential.

MT 102 Marine Applied Mathematics (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Practical course in mathematics involving whole numbers, fractions, decimals, ratios, proportions, percentages, and basic geometric constructions. Introduction to applied algebra and basic trigonometric functions. Includes practical blueprint reading.

Prerequisite: None.

8 Course Descriptions

MT 105 Safety, Tools, and Fastenings (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to a broad range of tools and fastener types and procedures and cultivate safe shop and workplace practices in the marine maintenance industry.

Prerequisite: None.

MT 106 Rigging (4)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Includes types of rigs, conversion or modifications of rigging. Proper tuning of rigging as well as selection of materials and approved installation methods for standing and running rigging. Includes how to rig, lift, and secure marine equipment for installation and removal.

Prerequisite: None.

MT 110 Electrical Tool Fundamentals (2)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to proper tool selection and operations for marine technicians. Topics include advanced electrical investigations, additional multi-meter operations, creating new dash arrangements with plastic laminate installation, and many other industry recognized tool skillsets.

Prerequisite: MT 105 with a "D" or higher.

MT 112 Mechanical Tool Fundamentals (2)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to proper tool selection and procedures for marine mechanics. Topics include precision measurements, fastener torquing, drilling and tapping, removing stuck fasteners, and basic metal fabrication techniques. Emphasis on safe tool use practices and correct tool selection for a job.

Prerequisite: MT 105 with a "D" or higher.

MT 119 OSHA 10 Training and Forklift Certification (2)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Occupational Safety and Health Administration (OSHA) training program for maritime industry training workers regarding their rights, employer responsibilities, and how to file a complaint as well as how to identify, abate, avoid and prevent job related hazards. Included is the Washington State Department of Labor and Industries forklift certification program. Forklift training is required for all operators of a forklift which is commonly used in the marine industry.

Prerequisite: None.

MT 121 Composites Construction and Repair (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to fiberglass reinforced plastics, poly and vinyl ester resins, solvents, and epoxies. Emphasis on chemical safety applicable to working with composite materials while performing hands-on training in use of molds, gel coats, release agents, resins, cosmetic color matching and reinforcing materials in hand layup and structural repair.

Prerequisite: None.

MT 132 Marine Electrical Systems I (4)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Basic AC and DC electrical systems as found on recreational and small commercial vessels. Installation and troubleshooting of engine operation systems for charging and starting, DC house systems for lights, pumps, and multi-state voltage regulation. Includes proper multi-meter use and electrical safety.

Prerequisite: None.

MT 133 Marine Electrical Systems II (6)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Marine AC electrical systems, shore power systems, inverter systems, wind and solar charging systems, gen-sets and marine corrosion issues. Preparation for ABYC Marine Electrical Technician Certification.

Prerequisite: MT 132 with a "D" or higher.

MT 134 Marine Electrical Systems III (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Advanced electrical systems including marine corrosion, advanced battery technologies, hybrid boat power systems, distributed power systems, and modern electrical control systems. Preparation for ABYC corrosion certificate.

Prerequisite: MT 133 with a "D" or higher.

MT 136 Marine Sanitation Systems, Plumbing and Pumps (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Covers marine specialized toilets, holding tanks, treatment systems, pumps, and discharge systems. Includes installation of marine pumps in new or retrofit vessels, tank sizing, plumbing, and applicable USCG and ABYC standards.

Prerequisite: None.

MT 160 Marine Engine Systems I (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to inboard gas and diesel engines in recreational and small commercial marine vessels. Includes theory, operation, maintenance, repair, and troubleshooting techniques of traditional and modern marine engine systems. Utilizes industry standards and recommended practices as promoted by the American Boat and Yacht Council (ABYC). Preparation for passing the ABYC Marine Gasoline and/or Marine Diesel engine certifications examination is stressed.

Prerequisite: None.

MT 161 Inboard Drivetrains (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Theory and hands-on experience in marine inboard engine drive systems with emphasis on transmissions, running gear, controls, and steering systems. Gain proficiency with maintenance, repair, installation, and troubleshooting techniques, and cultivate an understanding of industry standards and recommended practices.

Prerequisite: None.

8 Course Descriptions

MT 163 Marine Engine Systems II (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Focuses on modern inboard engine technology and advanced troubleshooting and service techniques. Includes modern engine fueling and breathing innovations, electronic engine control and monitoring, diagnostic tools and software, engine emission regulations, vessel repowers, and mechanical surveys.

Prerequisite: MT 160 with a "D" or higher.

MT 199 Cooperative Education Experience (1-4)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Supervised work experience in the field.

Prerequisite: Instructor permission required.

MT 204 Advanced Marine Systems (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Advanced marine systems as found on recreational and small commercial vessels. Installation, design, and troubleshooting of modern marine systems such as water makers, fire suppression, propane, refrigeration, active stabilization, and advanced monitoring. Preparation for the ABYC Marine Systems certification exam.

Prerequisite: MT 132 with a "C" or higher.

MT 216 Marine Outdrives (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Study of sterndrive propulsion systems. Includes common service procedures, model identification, vertical drive rebuilding procedures, trim/tilt functions, shift adjustments, utilizing service manuals and parts information for problem solving.

Prerequisite: None.

MT 230 Marine Electronics (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Includes National Marine Manufacture's Association guidelines and familiarization with actual equipment operation of electronic devices for navigation and communication with installation interfacing and operation. Preparation for NMEA Basic Marine Installer certification.

Prerequisite: None.

MT 231 Marine Heating, Air Conditioning, and Refrigeration (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Includes selection, installation and service of marine hot air and hydronic heating systems. Covers operation, selection, installation and testing of refrigeration and air conditioning systems. Covers fuel gas systems complying with standards from ABYC, NFPA, and Natural Gas Association adjustment of these systems.

Prerequisite: MT 132 with a "D" or higher.

MT 236 Marine Electronics II (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Covers National Marine Manufacturer's Association guidelines. Includes familiarization with equipment operation of electronic devices for navigation and communication with installation interfacing and operation. Preparation for NMEA 2000 certification.

Prerequisite: MT 230 with a "D" or higher.

MT 240 Outboard Motor Operation and Service (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to outboard motors as the world's most common marine propulsion system. Focuses on the operation and service of small outboard motors, specifically 2-stroke and 4-stroke portable units under 20 horsepower. Covers maintenance and repair of fuel, cooling, ignition, and lubrication systems in addition to outboard winterization, commissioning, and tune-up procedures.

Prerequisite: None.

MT 241 Outboard Motors II (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Focuses on modern outboard service, installation, and advanced troubleshooting techniques. Includes contemporary outboard fuel systems, electronic engine control and monitoring, diagnostic tools and software, new outboard rigging, and performing sea trials. Also includes a unit on sterndrive and saildrive installation, maintenance, and repair.

Prerequisite: MT 240 with a "D" or higher.

MT 251 Independent Study (1-5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION Special project as approved by instructor and department chair.

Prerequisite: Special project as approved by instructor and department chair.

MT 270 Marine Hydraulic Systems (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Installation, design, and troubleshooting of hydraulic systems found on recreational and commercial vessels. These systems are used for stabilization, davits, lifting cranes, steering, and accessory drive equipment.

Prerequisite: MT 132 with a "C" or higher.

MUSC 100 Music Fundamentals (5)

HUMANITIES

This course is designed for the non-music major who wants to learn to read music. Note reading, rhythmic skills and a basic introduction to scales, intervals and harmony are included. No musical background is required. This course can also be taken by students wanting to become music majors but whose music reading skills are insufficient.

Prerequisite: Grade of 2.0 or higher in ENGL 097, or AESL 098, or appropriate test score.

MUSC& 105 Music Appreciation (5)

HUMANITIES

As an introduction and exploration of music, this foundation course examines Western music from the Middle Ages to the present, focusing on significant composers and compositions and the historical context in which they were written.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

MUSC 108 Class Voice (2)

HUMANITIES

Vocal technique including breathing, tone production, diction, and interpretation of literature from Spanish, German, Italian, folk and musical theater traditions. The mechanics of singing, the artistry of singing and building confidence in the individual solo voice are emphasized.

Prerequisite: None.

8 Course Descriptions

MUSC 111 Class Piano I (3)

HUMANITIES

The course is designed for those with limited or no keyboard background and includes basic notation, rhythm skills, technique, and sight reading. Each class includes group and individual instruction in ensemble playing and repertoire materials. Music Majors are required, depending on piano playing skills, to take this course along with MUSC 141.

Prerequisite: None.

MUSC 112 Class Piano II (2)

HUMANITIES

The course is designed for those with limited or no keyboard background and includes basic notation, rhythm skills, technique, and sight reading. Each class includes group and individual instruction in ensemble playing and repertoire materials. Music majors are encouraged to take this course along with MUSC 142. MUSC 111, 112, and 113 are beginning piano courses and should be taken in sequence.

Prerequisite: MUSC 111 with a grade of C or better or instructor's permission.

MUSC 113 Intermediate Piano (3)

HUMANITIES

This course is designed for those with limited or no keyboard background and includes basic notation, rhythm skills, technique, and sight reading. Each class includes group and individual instruction in ensemble playing and repertoire materials. Music majors with little to no piano experience are required to take this course along with MUSC 141.

Prerequisite: None.

MUSC 114 Class Guitar I (2)

HUMANITIES

Beginning concepts of Blues, Jazz, and Rock Guitar styles. Improvisation on Rock and Blues patterns, basic chords, note recognition, and ensemble fundamentals will be learned. Students must have an acoustic guitar.

Prerequisite: None.

MUSC 115 Class Guitar II (2)

HUMANITIES

Continuing study and practice of Blues, Jazz, and Rock Guitar styles. Further improvisation on Rock and Blues patterns, intermediate chords, continued note recognition, and ensemble fundamentals will be learned. Students must have an acoustic guitar.

Prerequisite: MUSC 114 with a "C" or higher.

MUSC 116 Class Guitar III (2)

HUMANITIES

Continuing study and practice of Blues, Jazz, and Rock Guitar styles. Further improvisation on Rock and Blues patterns, intermediate chords, continued note recognition, and ensemble fundamentals will be learned. Students must have an acoustic guitar.

Prerequisite: MUSC 115 with a "C" or higher.

MUSC 124 Survey of Music History: Ancient to 1750 ACE (5)

HUMANITIES

An introduction and exploration of the relationship between historic events and musical development in the Western world from the ancient period to 1750 A.C.E.

Prerequisite: place into ENGL& 101, or C or better or concurrent enrollment in ENGL 99.

MUSC 125 Survey of Music History: 1750-1900 (5)

HUMANITIES

An introduction and exploration of the relationship between historic events and musical development in the Western world from 1750-1900 A.C.E.

Prerequisite: place into ENGL& 101, or C or better or concurrent enrollment in ENGL 99.

MUSC 126 Survey of Music History: 1900-Present (5)

HUMANITIES

An introduction and exploration of the relationship between historic events, technological advancements, and musical development, beginning in the 20th century to the present day.

Prerequisite: place into ENGL& 101, or C or better or concurrent enrollment in ENGL 99.

MUSC 127 History of Rock and Roll (5)

HUMANITIES

This course provides a general survey of the development and evolution of rock and roll from its roots to the present. The goal of the course is to familiarize the student with the social and historical context of the development of rock and roll, and to recognize and appreciate the major performers and styles of rock and roll in performance.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

MUSC 128 Jazz: America's Artform (5)

HUMANITIES

This course provides a general survey of the development and evolution of jazz from its roots to the present. The student will explore the background, history, characteristics and significant performing artists of the major jazz styles.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

MUSC 129 World Music (5)

HUMANITIES

A survey of the music of non-Western cultures. Students will use writing, discussions, and group and individual projects to examine the contexts in which the musics of these cultures exist.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

MUSC 137 Choir (2)

HUMANITIES

Performance of standard choir music and major works including works from non-Western cultures whenever possible.

Prerequisite: Grade of 2.0 or higher in ENGL 097, or AESL 098, or appropriate test score.

8 Course Descriptions

MUSC 138 Small Vocal Ensemble (1-5)

HUMANITIES

Involves choral, madrigal singing, jazz and popular styles. Performing music from non-European traditions whenever possible. Advanced academic setting.

Prerequisite: Grade of 2.0 or higher in ENGL 097, or AESL 098, or appropriate test score. Instructor's permission required; placement by audition only.

MUSC& 141 Music Theory I (5)

HUMANITIES

The study of notation, intervals, scales, simple melodies, and rhythms. Development of aural skills through an emphasis on sight singing, dictation, and piano skills. Required for Music majors.

Prerequisite: Grade of 2.0 or higher in ENGL 097, or AESL 098, or appropriate test score.

MUSC& 142 Music Theory II (5)

HUMANITIES

A continuation of MUSC& 141, but including a systematic study of chords and harmony. Continued development of aural skills through an emphasis on sight singing and dictation. Continued development of piano skills. Required for Music Majors.

Prerequisite: MUSC& 141 with a "C" or higher.

MUSC& 143 Music Theory III (5)

HUMANITIES

A continuation of MUSC& 142, this class will cover non-chord tones and diatonic 7th chords, using these skills to harmonize melodies. Required for Music Majors.

Prerequisite: MUSC& 142 with a "C" or higher.

MUSC 144 Composition (1-2)

HUMANITIES

Students will learn the basics of composing original musical pieces, perform them in class and possibly a concert venue, and submit a final work to a national composition contest.

Prerequisite: Must have taken or be currently enrolled in Music Theory or permission of the instructor.

MUSC 145 Skagit Valley Chorale (1)

HUMANITIES

The Skagit Valley Chorale is a community-based organization that performs all types of music, from jazz to classical. Dinner theater and humorous operetta are also part of our repertoire. No audition is needed. The Chorale's season is performance oriented and runs 6 months of the year. Contact director for fee information.

Prerequisite: None.

MUSC 146 Symphony Orchestra (1)

HUMANITIES

Perform music from each of the Baroque, Classic, Romantic and contemporary periods. Students will advance in their understanding of large ensemble playing. Two and one-half hours per week is expected in ensemble practice, three hours of individual practice, and all dress rehearsals and concerts are required. Wind players are by auditions; string players should be adept at position work and fundamental techniques.

Prerequisite: None.

MUSC 147 Skagit Community Band (1)

HUMANITIES

The Skagit Community Band is a community-based organization that performs a wide variety of concert band literature from Jazz to Classical. No audition is needed, however some skill on the instrument is helpful. Students are expected to rehearse for two hours each week and attend all rehearsals and performances. There will be at least one performance per quarter. Contact the director for fee information.

Prerequisite: None.

MUSC 160 Musical Theater Workshop (1)

HUMANITIES

Students audition both musically and dramatically and are then placed in suitable roles in familiar and not-so-familiar shows from which scenes are chosen.

Prerequisite: instructor's permission after audition.

MUSC 162 Instrumental Ensemble (1-3)

HUMANITIES

Study of music through small group rehearsal. For pianists, percussionists, and wind instrument players. Students must have prior experience on their instrument.

Prerequisite: None.

MUSC 163 String Ensemble (1)

HUMANITIES

Study of music through small group rehearsal. Limited to string players who have prior experience on their instrument.

Prerequisite: None.

MUSC 164 Jazz Ensemble (1-3)

HUMANITIES

The Jazz Ensemble is a performance-oriented group. The student will explore the varieties of jazz styles from funk, bebop, and Latin to swing. Students must provide their own instrument and have had prior performance experience. Contact the music department about placement audition.

Prerequisite: None.

MUSC 165 Mariachi Ensemble (1-3)

HUMANITIES

The Mariachi ensemble is a performance-oriented group that focuses on traditional Mexican music that is appropriate to the student's skill level. We concentrate on correct instrumental techniques, music reading skills, memorization, ear training, and stage presence. Instrumentation for this ensemble includes Violin, Guitarron, Vihuela, Trumpet and Voice.

Prerequisite: None.

MUSC 174 Jazz Piano Intermediate (1)

HUMANITIES

Applied music instruction. Individual instruction in voice or instrument for music majors only which focuses on the practical application of musical principles to performance. Must be concurrently enrolled in one of the following: MUSC& 141, 142, 143 or 231, 232, 233. Contact department chair before registering. No more than 1 credit per quarter to a maximum of 6 credits.

Prerequisite: instructor's permission. Audition may be required. Audition may be required.

8 Course Descriptions

MUSC 175 Voice Intermediate (1)

HUMANITIES

Applied music instruction. Individual instruction in voice or instrument for music majors only which focuses on the practical application of musical principles to performance. Must be concurrently enrolled in one of the following: MUSC& 141, 142, 143 or 241, 242, 243. May also be taken by non-music majors depending on circumstances. No more than 1 credit per quarter to a maximum of 6 credits.

Prerequisite: Music Department Chair permission required. Audition may be required.

MUSC 176 Guitar I (1)

HUMANITIES

Applied music instruction. Individual instruction in voice or instrument for music majors only which focuses on the practical application of musical principles to performance. Must be concurrently enrolled in one of the following: MUSC& 141, 142, 143 or 241, 242, 243. May also be taken by non-music majors depending on circumstance. No more than 1 credit per quarter to a maximum of 6 credits.

Prerequisite: Music Department Chair permission required. Audition may be required.

MUSC 178 Brass Intermediate (1)

HUMANITIES

Applied music instruction. Individual instruction in voice or instrument for music majors only which focuses on the practical application of musical principles to performance. Must be concurrently enrolled in one of the following: MUSC& 141, 142, 143 or 241, 242, 243. May also be taken by non-music majors depending on circumstance. No more than 1 credit per quarter to a maximum of 6 credits.

Prerequisite: Music Department Chair permission required. Audition may be required.

MUSC 179 Woodwind-Intermediate (1)

HUMANITIES

Applied music instruction. Individual instruction in voice or instrument for music majors only which focuses on the practical application of musical principles to performance. Must be concurrently enrolled in one of the following: MUSC& 141, 142, 143 or 241, 242, 243. May also be taken by non-music majors depending on circumstance. No more than 1 credit per quarter to a maximum of 6 credits.

Prerequisite: Music Department Chair permission required. Audition may be required.

MUSC 180 Strings-Intermediate (1)

HUMANITIES

Applied music instruction. Individual instruction in voice or instrument for music majors only which focuses on the practical application of musical principles to performance. Must be concurrently enrolled in one of the following: MUSC& 141, 142, 143 or 241, 242, 243. May also be taken by non-music majors depending on circumstance. No more than 1 credit per quarter to a maximum of 6 credits.

Prerequisite: Music Department Chair permission required. Audition may be required.

MUSC 182 Piano-Intermediate (1)

HUMANITIES

Applied music instruction. Individual instruction in voice or instrument for music majors only which focuses on the practical application of musical principles to performance. Must be concurrently enrolled in one of the following: MUSC& 141, 142, 143 or 241, 242, 243. May also be taken by non-music majors depending on circumstance. No more than 1 credit per quarter to a maximum of 6 credits.

Prerequisite: Music Department Chair permission required. Audition may be required.

MUSC 187 Drums-Intermediate (1)

HUMANITIES

Applied music instruction. Individual instruction in voice or instrument for music majors only which focuses on the practical application of musical principles to performance. Must be concurrently enrolled in one of the following: MUSC& 141, 142, 143 or 241, 242, 243. May also be taken by non-music majors depending on circumstance. No more than 1 credit per quarter to a maximum of 6 credits.

Prerequisite: Music Department Chair permission required. Audition may be required.

MUSC 200 History of Keyboard Literature (2)

HUMANITIES

A comprehensive history of literature for all stringed keyboard instruments. This course is designed for the instructor of piano or a more advanced student.

Prerequisite: None.

MUSC 211 Class Piano IV (2)

HUMANITIES

This course is designed for those with at least one year or more of private or class keyboard instruction who would like to strengthen their skills in reading, rhythm, and technique. Each class includes group and individual instruction in ensemble playing and repertoire materials. Students are encouraged to take this course along with MUSC 231. MUSC 211, 212, and 213 are Intermediate Piano courses and should be taken in sequence.

Prerequisite: MUSC 113 with a grade of C or better or instructor's permission.

MUSC 212 Class Piano V (2)

HUMANITIES

This course is designed for those with at least one year or more of private or class keyboard instruction who would like to strengthen their skills in reading, rhythm, and technique. Each class includes group and individual instruction in ensemble playing and repertoire materials. Students are encouraged to take this course along with MUSC 231. MUSC 211, 212, and 213 are Intermediate Piano courses and should be taken in sequence.

Prerequisite: MUSC 211 with a grade of C or better or instructor's permission.

MUSC 213 Advance Piano Class (3)

HUMANITIES

MUSC 213 is a continuation of MUSC 113. This course is in sync with keyboard expectations in the music transfer degree. Careful attention will be given to technical elements of playing, such as scales, chords, arpeggios, progressions, transpositions, sight reading and ensemble playing required to pass the piano proficiency exam at a 4-year transfer institution. Required for music majors.

Prerequisite: MUSC 113 with a "C" or higher.

8 Course Descriptions

MUSC& 241 Music Theory IV (5)

HUMANITIES

Music Theory IV is the continuation of first-year music theory. Students enrolling must have completed Music Theory I, II, III prior to enrolling. Composition, analysis and performance, ear training and keyboarding are emphasized.

Prerequisite: MUSC& 143 with a "C" or higher.

MUSC& 242 Music Theory V (5)

HUMANITIES

This course continues the study of music theory from Music Theory IV. Counterpoint techniques in music literature will be examined and composed.

Prerequisite: MUSC& 241 with a "C" or higher.

MUSC& 243 Music Theory VI (5)

HUMANITIES

Music Theory VI is the last quarter of second year music theory. Late Romantic and modern compositional techniques will be studied and composed.

Prerequisite: MUSC& 242 with a "C" or higher.

MUSC 244 Advanced Composition (2)

HUMANITIES

Students will compose original musical pieces of increasing sophistication, performing them in class and possibly in a concert venue. Emphasis will be placed on musical analysis and the study of orchestration and the application of this to individualized compositions.

Prerequisite: MUSC 144 with a "C" or higher and concurrent enrollment in Music Theory.

MUSC 275 Voice–Advanced (1)

HUMANITIES

Applied music instruction. Individual instruction in voice or instrument for music majors only which focuses on the practical application of musical principles to performance. Must be concurrently enrolled in one of the following: MUSC& 141, 142, 143 or 241, 242, 243. May also be taken by non-music majors depending on circumstance. No more than 1 credit per quarter to a maximum of 6 credits.

Prerequisite: Music department chair permission required. Audition may be required.

MUSC 276 Guitar II (1)

HUMANITIES

Applied music instruction. Individual instruction in voice or instrument for music majors only which focuses on the practical application of musical principles to performance. Must be concurrently enrolled in one of the following: MUSC& 141, 142, 143 or 241, 242, 243. May also be taken by non-music majors depending on circumstance. No more than 1 credit per quarter to a maximum of 6 credits.

Prerequisite: Music department chair permission required. Audition may be required.

MUSC 278 Brass–Advanced (1)

HUMANITIES

Applied music instruction. Individual instruction in voice or instrument for music majors only which focuses on the practical application of musical principles to performance. Must be concurrently enrolled in one of the following: MUSC& 141, 142, 143 or 241, 242, 243. May also be taken by non-music majors depending on circumstance. No more than 1 credit per quarter to a maximum of 6 credits.

Prerequisite: Music department chair permission required. Audition may be required.

MUSC 279 Woodwind–Advanced (1)

HUMANITIES

Applied music instruction. Individual instruction in voice or instrument for music majors only which focuses on the practical application of musical principles to performance. Must be concurrently enrolled in one of the following: MUSC& 141, 142, 143 or 241, 242, 243. May also be taken by non-music majors depending on circumstance. No more than 1 credit per quarter to a maximum of 6 credits.

Prerequisite: Music department chair permission required. Audition may be required.

MUSC 280 Strings–Advanced (1)

HUMANITIES

Applied music instruction. Individual instruction in voice or instrument for music majors only which focuses on the practical application of musical principles to performance. Must be concurrently enrolled in one of the following: MUSC& 141, 142, 143 or 241, 242, 243. May also be taken by non-music majors depending on circumstance. No more than 1 credit per quarter to a maximum of 6 credits.

Prerequisite: Music department chair permission required. Audition may be required.

MUSC 282 Piano–Advanced (1)

HUMANITIES

Applied music instruction. Individual instruction in voice or instrument for music majors only which focuses on the practical application of musical principles to performance. Must be concurrently enrolled in one of the following: MUSC& 141, 142, 143 or 241, 242, 243. May also be taken by non-music majors depending on circumstance. No more than 1 credit per quarter to a maximum of 6 credits.

Prerequisite: Music department chair permission required. Audition may be required.

MUSC 287 Drums–Advanced (1)

HUMANITIES

Applied music instruction. Individual instruction in voice or instrument for music majors only which focuses on the practical application of musical principles to performance. Must be concurrently enrolled in one of the following: MUSC& 141, 142, 143 or 241, 242, 243. May also be taken by non-music majors depending on circumstance. No more than 1 credit per quarter to a maximum of 6 credits.

Prerequisite: Music department chair permission required. Audition may be required.

8 Course Descriptions

MUSC 299 Learning into Action (1-15)

HUMANITIES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

NASC 100 Introduction to Physical Science (5)

NATURAL SCIENCES

A survey of the physical sciences designed to give the non-science major a basic understanding of mechanics, heat, waves, sound, light, electricity, magnetism, and atomic theory. Includes topics in astronomy and earth science. Lab included.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

NASC 299 Learning into Action (1-15)

NATURAL SCIENCES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

NASC 300 Inquiry-Based Science (5)

NATURAL SCIENCES

Overview of the main concepts in natural science for early childhood teachers. Includes topics in earth/space science, life science, physical science, and engineering design. Lab included.

Prerequisite: None.

NURS 099 TEAS Test Prep (2)

HEALTH SCIENCES

Review and practice for the four areas on the TEAS test: 1) Quantitative; 2) Reading; 3) Grammar; 4) Science

Prerequisite: BIOL& 160 with a "C" or higher.

NURS 100 Nursing Assistant Education (lecture) (4)

HEALTH SCIENCES

This is a Washington State Board of Nursing approved program for nursing assistant certified training. Students must arrive on time the first day/night of class and be in attendance at every class in its entirety. To receive the completion certificate, the student must pass the course and complete mandated classroom, lab, and clinical hours. After receiving the course completion certificate, the student can then take the state mandated written and skills test. WA state exam fees for testing are approximately \$155. The WA state credentialing fee is approximately \$85.

Prerequisite: Current Basic Life Support Healthcare Provider CPR card is required. A current TB test is required.

NURS 101 Nursing Assistant Education (clinical) (3)

HEALTH SCIENCES

This is a Washington State Board of Nursing approved program for nursing assistant certified training. Students must arrive on time the first day/night of class and be in attendance at every class in its entirety. To receive the completion certificate, the student must pass the course and complete mandated classroom, lab, and clinical hours. After receiving the course completion certificate, the student can then take the state mandated written and skills test. WA state exam fees for testing are approximately \$155. The WA state credentialing fee is approximately \$85.

Prerequisite: Current Basic Life Support Healthcare Provider CPR card is required. A current TB test is required.

NURS 102 Nursing Assistant Education (lab) (1)

HEALTH SCIENCES

This is a Washington State Board of Nursing approved program for nursing assistant certified training. Students must arrive on time the first day/night of class and be in attendance at every class in its entirety. To receive the completion certificate, the student must pass the course and complete mandated classroom, lab, and clinical hours. After receiving the course completion certificate, the student can then take the state mandated written and skills test. WA state exam fees for testing are approximately \$155. The WA state credentialing fee is approximately \$85.

Prerequisite: Current Basic Life Support Healthcare Provider CPR card is required. A current TB test is required.

NURS 171 Nursing Fundamentals – Skills and Practicum (lecture) (7)

HEALTH SCIENCES

Introduction to the Associate Degree in Nursing. Includes the foundation needed for basic nursing practice and more advanced study. Concepts of person, health, environment, and nursing will be introduced. The nursing process is presented as the primary mechanism for providing care. Therapeutic communication techniques are studied as well as basic knowledge in pharmacology. Components of a complete multi-dimensional health assessment are presented. Focuses on the well individual and normal physiologic functioning including introductory review of basic alterations in health. Additional concepts basic to nursing practice are addressed including the Art of Nursing, safety, nutrition, lifespan, health teaching, culture, leadership, and ethical/legal aspects of practice. Encompasses the fundamental skills of nursing practice.

Prerequisite: Acceptance into the Skagit Valley College RN program. Please see entry requirements on the Nursing website page at <https://www.skagit.edu/academics/areas-of-study/health-sciences/nursing/>.

8 Course Descriptions

NURS 172 Nursing Fundamentals – Skills and Practicum (clinical) (2)

HEALTH SCIENCES

This clinical course offers hands-on experience in assessing, planning, and implementing care for individuals in long-term care settings, emphasizing clinical competence, ethical considerations, and effective communication. Gain a solid foundation in delivering compassionate, person-centered and culturally congruent care to the elderly and chronically ill, while applying critical thinking, problem-solving, and cultural humility essential for nursing practice.

Prerequisite: Acceptance into the Skagit Valley College RN program. Please see entry requirements on the Nursing website page at <https://www.skagit.edu/academics/areas-of-study/health-sciences/nursing/>.

NURS 173 Nursing Fundamentals – Skills and Practicum (lab) (3)

HEALTH SCIENCES

This laboratory course focuses on foundational knowledge and hands-on skills essential for safe and competent nursing practice. Engage in interactive learning experiences, mastering nursing assessments, vital signs monitoring, medication administration, wound care, infection control, and utilization of medical equipment. Through simulated scenarios and guided practice, develop clinical judgment, technical skills, effective communication, teamwork, critical thinking, and application of culturally congruent care. Sets the groundwork for success in clinical rotations and future nursing careers, ensuring students are well-prepared for the challenges of healthcare practice.

Prerequisite: Acceptance into the Skagit Valley College RN program. Please see entry requirements on the Nursing website page at <https://www.skagit.edu/academics/areas-of-study/health-sciences/nursing/>.

NURS 181 Nursing M/S Patient–Practicum (lecture) (6)

HEALTH SCIENCES

Introduction to concepts and basic care of selected individuals throughout the lifespan experiencing basic alterations in cell growth, cardiac function, endocrine function (including diabetes), gastrointestinal function, musculoskeletal function, neurological function, and those undergoing surgery. Principles of pharmacology, nutrition and psychological issues will be integrated throughout. Concepts of context and environment, knowledge and science, personal and professional development, quality and safety, relationship centered care and teamwork are integrated throughout.

Prerequisite: NURS 171, NURS 172, and NURS 173 with a "B-" or higher.

NURS 182 Nursing M/S Patient–Practicum (clinical) (5)

HEALTH SCIENCES

Building on foundational skills, develop further competency in administering medications accurately and safely, emphasizing dosage calculations, drug interactions, and person-centered care principles. Through supervised clinical practice in the long-term care setting and simulation, learn how to manage person centered care, collaborate with healthcare teams, and maintain continued proficiency in patient assessments.

Prerequisite: NURS 171, NURS 172, and NURS 173 with a "B-" or higher.

NURS 183 Nursing M/S Patient-Practicum (lab) (1)

HEALTH SCIENCES

This laboratory course builds on foundational knowledge and nursing skills learned in prior coursework. Engage in interactive learning experiences, refinement and application of essential nursing skills, such as Foley catheter insertion, IV fluid administration and management, ostomy care, and electrocardiograms. Through practical experience and deliberate practice, enhance critical thinking, decision-making abilities, and clinical competence. Prepares students for practice in diverse healthcare environments and meeting the evolving demands of the nursing profession.

Prerequisite: NURS 171, NURS 172, and NURS 173 with a "B-" or higher.

NURS 191 Nursing OB, Pediatrics, M/S – Skills Practice (lecture) (3)

HEALTH SCIENCES

Introduction to concepts and basic care of selected individuals throughout the lifespan experiencing basic alterations in renal and urinary function, male and female reproduction, and integumentary function. Adaptations with normal pregnancy, childbirth, the newborn to adolescent are examined as well as common alterations. The nursing process serves as the organizing framework for the study and delivery of nursing care. In addition, principles of pharmacology, nutrition and psychological issues will be integrated throughout.

Prerequisite: NURS 181 and NURS 182 with "B-" or higher and concurrent enrollment in SOC 191.

NURS 192 Nursing OB, Pediatrics, M/S – Skills Practice (clinical) (4)

HEALTH SCIENCES

This clinical course provides hands-on opportunities to apply foundational nursing concepts in a dynamic acute care setting and in simulation. Guided by experienced faculty and healthcare professionals, build upon foundational nursing concepts in the acute care setting, deliver person centered nursing care, and collaborate within a multidisciplinary team. Gain confidence in prioritizing and managing patient needs, all while demonstrating effective communication, critical thinking skills and culturally congruent care.

Prerequisite: NURS 181 and NURS 182 with "B-" or higher and concurrent enrollment in SOC 191.

NURS 271 Nursing Advanced OB, Ped, M/S – Skills Practice (lecture) (5)

HEALTH SCIENCES

Examines nursing care complex physical alterations in the pediatric individuals as well as adult individuals who are experiencing complex alterations in the endocrine, gastrointestinal and gastrointestinal accessory systems. In addition to medical-surgical care, the care of patients experiencing a high risk pregnancy and high risk newborns is described. Concepts of context and environment, knowledge and science, personal and professional development, quality and safety, relationship centered care and teamwork are integrated throughout.

Prerequisite: NURS 191, NURS 192 and SOC 191 with a "B-" or higher.

8 Course Descriptions

NURS 272 Nursing Advanced OB, Ped, M/S – Skills Practice (clinical) (5)

HEALTH SCIENCES

This clinical course focuses on advancing acute care nursing skills to care for patients with increasingly complex needs in simulation and the acute care setting. Further refine assessment techniques, develop proficiency in managing person centered care, and enhance critical thinking abilities in acute care settings. Through hands-on experiences and guided mentorship, develop proficiency in recognizing and responding to complex health issues, ensuring the delivery of high-quality, patient-centered, culturally congruent care in challenging acute care environments.

Prerequisite: NURS 191, NURS 192 and SOC 191 with a "B-" or higher.

NURS 273 Nursing Advanced OB, Ped, M/S – Skills Practice (lab) (2)

HEALTH SCIENCES

In this laboratory course learn complex nursing skills such as IV insertion and IV medication administration, central line care, blood administration, and tracheostomy care. Through interactive learning experiences, develop proficiency in these high-level skills while emphasizing safety, infection control, and evidence-based practices. Promotes competence and confidence required to practice in healthcare environments and prepares students for clinical proficiency.

Prerequisite: NURS 191, NURS 192 and SOC 191 with a "B-" or higher.

NURS 274 Nursing Advanced OB, Ped, M/S – Skills Practice (lecture 1) (3)

HEALTH SCIENCES

Examines nursing care complex physical alterations in the pediatric individuals as well as adult individuals who are experiencing complex alterations in the endocrine, gastrointestinal and gastrointestinal accessory systems. In addition to medical-surgical care, the care of patients experiencing a high risk pregnancy and high risk newborns is described. Concepts of context and environment, knowledge and science, personal and professional development, quality and safety, relationship centered care and teamwork are integrated throughout. (Section one of a two-part course.)

Prerequisite: Acceptance into the Skagit Valley College RN program. Please see entry requirements on the Nursing website page at <https://www.skagit.edu/academics/areas-of-study/health-sciences/nursing/>.

NURS 275 Nursing Advanced OB, Ped, M/S – Skills Practice (clinical 1) (2)

HEALTH SCIENCES

Examines nursing care complex physical alterations in the pediatric individuals as well as adult individuals who are experiencing complex alterations in the endocrine, gastrointestinal and gastrointestinal accessory systems. In addition to medical-surgical care, the care of patients experiencing a high risk pregnancy and high risk newborns is described. Concepts of context and environment, knowledge and science, personal and professional development, quality and safety, relationship centered care and teamwork are integrated throughout. (Section one of a two-part course.)

Prerequisite: NURS 274, NURS 276, and NURS 277 with a "B-" or higher.

NURS 276 Nursing Advanced OB, Ped, M/S – Skills Practice (lab 1) (1)

HEALTH SCIENCES

Examines nursing care complex physical alterations in the pediatric individuals as well as adult individuals who are experiencing complex alterations in the endocrine, gastrointestinal and gastrointestinal accessory systems. In addition to medical-surgical care, the care of patients experiencing a high risk pregnancy and high risk newborns is described. Concepts of context and environment, knowledge and science, personal and professional development, quality and safety, relationship centered care and teamwork are integrated throughout. (Section one of a two-part course.)

Prerequisite: Acceptance into the Skagit Valley College RN program. Please see entry requirements on the Nursing website page at <https://www.skagit.edu/academics/areas-of-study/health-sciences/nursing/>.

NURS 277 Nursing Advanced OB, Ped, M/S – Skills Practice (lecture 2) (2)

HEALTH SCIENCES

Examines nursing care complex physical alterations in the pediatric individuals as well as adult individuals who are experiencing complex alterations in the endocrine, gastrointestinal and gastrointestinal accessory systems. In addition to medical-surgical care, the care of patients experiencing a high risk pregnancy and high risk newborns is described. Concepts of context and environment, knowledge and science, personal and professional development, quality and safety, relationship centered care and teamwork are integrated throughout. (Section two of a two-part course.)

Prerequisite: Acceptance into the Skagit Valley College RN program. Please see entry requirements on the Nursing website page at <https://www.skagit.edu/academics/areas-of-study/health-sciences/nursing/>.

NURS 278 Nursing Advanced OB, Ped, M/S – Skills Practice (clinical 2) (3)

HEALTH SCIENCES

Examines nursing care complex physical alterations in the pediatric individuals as well as adult individuals who are experiencing complex alterations in the endocrine, gastrointestinal and gastrointestinal accessory systems. In addition to medical-surgical care, the care of patients experiencing a high risk pregnancy and high risk newborns is described. Concepts of context and environment, knowledge and science, personal and professional development, quality and safety, relationship centered care and teamwork are integrated throughout. (Section two of a two-part course.)

Prerequisite: NURS 274, NURS 276, and NURS 277 with a "B-" or higher.

8 Course Descriptions

NURS 279 Nursing Advanced OB, Ped, M/S – Skills Practice (lab 2) (1)

HEALTH SCIENCES

Examines nursing care complex physical alterations in the pediatric individuals as well as adult individuals who are experiencing complex alterations in the endocrine, gastrointestinal and gastrointestinal accessory systems. In addition to medical-surgical care, the care of patients experiencing a high risk pregnancy and high risk newborns is described. Concepts of context and environment, knowledge and science, personal and professional development, quality and safety, relationship centered care and teamwork are integrated throughout. (Section two of a two-part course.)

Prerequisite: NURS 274, NURS 276, and NURS 277 with a "B-" or higher.

NURS 281 Nursing Complex M/S and Geriatric Patient (lecture) (5)

HEALTH SCIENCES

Examines nursing care of selected individuals, throughout the lifespan with a special focus on the geriatric population experiencing complex and multidimensional alterations in neurological, respiratory, cardiac, hematologic/oncologic and renal function. In addition to these medical/surgical concepts, trauma, disaster preparedness and critical care will be addressed. Focuses on applying previous learning in the advanced care of mental health patients. The pharmacologic management of these patients will also be analyzed.

Prerequisite: NURS 271, NURS 272, and NURS 273 with a "B-" or higher.

NURS 282 Nursing Complex M/S and Geriatric Patient (clinical) (5)

HEALTH SCIENCES

This clinical course advances competence in managing increasingly complex patients and increased number of assigned patients. Building on prior clinical experiences, enhance critical assessment skills, person centered, culturally congruent care, and time management in high-acuity clinical and simulation settings.

Prerequisite: NURS 271, NURS 272, and NURS 273 with a "B-" or higher.

NURS 284 Nursing Complex M/S and Geriatric Patient (lecture 1) (3)

HEALTH SCIENCES

Examines nursing care of selected individuals, throughout the lifespan with a special focus on the geriatric population experiencing complex and multidimensional alterations in neurological, respiratory, cardiac, hematologic/oncologic and renal function. In addition to these medical/surgical concepts, trauma, disaster preparedness and critical care will be addressed. Contains 16 hours of psychiatric nursing clinical which applies previous learning in acute care and/or community care settings. Focuses on applying previous learning in the advanced care of mental health patients. The pharmacologic management of these patients will also be analyzed. (Section one of a two-part course.)

Prerequisite: NURS 275, NURS 278, and NURS 279 with a "B-" or higher.

NURS 285 Nursing Complex M/S and Geriatric Patient (clinical 1) (3)

HEALTH SCIENCES

Examines nursing care of selected individuals, throughout the lifespan with a special focus on the geriatric population experiencing complex and multidimensional alterations in neurological, respiratory, cardiac, hematologic/oncologic and renal function. In addition to these medical/surgical concepts, trauma, disaster preparedness and critical care will be addressed. Contains 16 hours of psychiatric nursing clinical which applies previous learning in acute care and/or community care settings. Focuses on applying previous learning in the advanced care of mental health patients. The pharmacologic management of these patients will also be analyzed. (Section one of a two-part course.)

Prerequisite: NURS 275, NURS 278, and NURS 279 with a "B-" or higher.

NURS 287 Nursing Complex M/S and Geriatric Patient (lecture 2) (3)

HEALTH SCIENCES

Examines nursing care of selected individuals, throughout the lifespan with a special focus on the geriatric population experiencing complex and multidimensional alterations in neurological, respiratory, cardiac, hematologic/oncologic and renal function. In addition to these medical/surgical concepts, trauma, disaster preparedness and critical care will be addressed. Contains 16 hours of psychiatric nursing clinical which applies previous learning in acute care and/or community care settings. Focuses on applying previous learning in the advanced care of mental health patients. The pharmacologic management of these patients will also be analyzed. (Section two of a two-part course.)

Prerequisite: NURS 271, NURS 272, and NURS 273 with a "B-" or higher.

NURS 288 Nursing Complex M/S and Geriatric Patient (clinical 2) (3)

HEALTH SCIENCES

Examines nursing care of selected individuals, throughout the lifespan with a special focus on the geriatric population experiencing complex and multidimensional alterations in neurological, respiratory, cardiac, hematologic/oncologic and renal function. In addition to these medical/surgical concepts, trauma, disaster preparedness and critical care will be addressed. Contains 16 hours of psychiatric nursing clinical which applies previous learning in acute care and/or community care settings. Focuses on applying previous learning in the advanced care of mental health patients. The pharmacologic management of these patients will also be analyzed. (Section two of a two-part course.)

Prerequisite: NURS 284 and NURS 285 with a "B-" or higher.

8 Course Descriptions

NURS 291 Entry Nursing Practice/Practicum (lecture) (3)

HEALTH SCIENCES

Focuses on factors impacting entry into practice. Examine challenges faced in today's workplace and how to prepare for them. Power, leadership, communication and collaboration are viewed as key factors in helping the nurse be effective in the healthcare environment. Analyzes the safety and well-being of the patient and the nurse. The concepts of context and environment, knowledge and science, personal and professional development, quality and safety, relationship centered care and teamwork are integrated throughout.

Prerequisite: NURS 281,282 with grade of 2.7 (B-) or higher.
Concurrent enrollment in PHIL 291.

NURS 292 Entry Nursing Practice/Practicum (clinical) (4)

HEALTH SCIENCES

This clinical course offers a comprehensive preceptorship experience, allowing students to work closely with an experienced registered nurse in diverse clinical settings. This one-on-one preceptorship prepares students for the transition to professional practice as a registered nurse, further developing skills, confidence, and critical decision-making abilities. This preceptorship provides a bridge from academia to professional practice, fostering the development of well-rounded, competent registered nurses poised to excel in the dynamic healthcare landscape.

Prerequisite: NURS 281,282 with grade of 2.7 (B-) or higher.
Concurrent enrollment in PHIL 291.

NURS 294 Entry into Nursing Practice and Practicum (1)

HEALTH SCIENCES

Focuses on factors impacting entry into practice. Examine challenges faced in today's workplace and how to prepare for them. Power, leadership, communication and collaboration are viewed as key factors in helping the nurse be effective in the healthcare environment. Analyzes the safety and well-being of the patient and the nurse. The concepts of context and environment, knowledge and science, personal and professional development, quality and safety, relationship centered care and teamwork are integrated throughout. (Section one of a two-part course.)

Prerequisite: PHIL 294 or PHIL 297 with a "B-" or higher.

NURS 295 Entry into Nursing Practice and Practicum 2 (clinical 1) (2)

HEALTH SCIENCES

Focuses on factors impacting entry into practice. Examine challenges faced in today's workplace and how to prepare for them. Power, leadership, communication and collaboration are viewed as key factors in helping the nurse be effective in the healthcare environment. Analyzes the safety and well-being of the patient and the nurse. The concepts of context and environment, knowledge and science, personal and professional development, quality and safety, relationship centered care and teamwork are integrated throughout. (Section two of a two-part course.)

Prerequisite: PHIL 294 or PHIL 297 with a "B-" or higher.

NURS 297 Nursing Adult/Child Practicum V (lecture 2) (.5)

HEALTH SCIENCES

Focuses on factors impacting entry into practice. Examine challenges faced in today's workplace and how to prepare for them. Power, leadership, communication and collaboration are viewed as key factors in helping the nurse be effective in the healthcare environment. Analyzes the safety and well-being of the patient and the nurse. The concepts of context and environment, knowledge and science, personal and professional development, quality and safety, relationship centered care and teamwork are integrated throughout. (Section two of a two-part course.)

Prerequisite: PHIL 294 or PHIL 297 with a "B-" or higher.

NURS 298 Nursing Care of the Adult/Child IV (clinical 2) (2)

HEALTH SCIENCES

Focuses on factors impacting entry into practice. Examine challenges faced in today's workplace and how to prepare for them. Power, leadership, communication and collaboration are viewed as key factors in helping the nurse be effective in the healthcare environment. Analyzes the safety and well-being of the patient and the nurse. The concepts of context and environment, knowledge and science, personal and professional development, quality and safety, relationship centered care and teamwork are integrated throughout. (Section two of a two-part course.)

Prerequisite: PHIL 294 or PHIL 297 with a "B-" or higher.

NUTR& 101 Nutrition (5)

HEALTH SCIENCES

Basic principles of nutritional science, chemical composition of foods, digestion, absorption, and metabolism. Scientific evaluation of nutritional needs of humans and current nutritional controversies.

Prerequisite: Grade of 2.0 or higher in ENGL 097, or AESL 098, or appropriate test score.

OBT 122 Microsoft Word I (3)

BUSINESS

Use Microsoft Word for PCs to create and edit documents; apply a variety of font, paragraph, and page formats; create tables; add graphical enhancements; and perform a basic mail merge.

Strongly Recommended: Basic computer skills and the ability to type by touch are strongly recommended.

OBT 132 Microsoft PowerPoint (4)

BUSINESS

Apply the features of Microsoft PowerPoint for PCs to design, create, edit, and format slide presentations; add graphical enhancements to slide content; apply transitions and animations; add sound and video; prepare notes and handouts; and customize and run a slide show.

Strongly Recommended: Basic computer skills and the ability to type by touch are strongly recommended.

8 Course Descriptions

OBT 134 Microsoft Excel and Access I (5)

BUSINESS

Use Microsoft Excel for PCs to create, edit, and format spreadsheets; write formulas and use functions to find numerical solutions; create charts and add graphics to create visual interest; and manage worksheet data. Use Microsoft Access for PCs to create, edit, and manage database tables; establish table relationships; filter, query, and sort data; and create forms and reports.

Strongly Recommended: Basic computer skills and the ability to type by touch are strongly recommended. (For PCs only).

OBT 162 Microsoft Office Basics (3)

BUSINESS

Introduction to the Microsoft Office suite of software for PCs: Word, Excel, PowerPoint, and Access. Provides familiarity with the programs; for more training see OBT 122, 132, and 134.

Strongly Recommended: Basic computer skills and the ability to type by touch are strongly recommended.

OBT 204 Microsoft Publisher (4)

BUSINESS

Use Microsoft Publisher for PCs to create a variety of publication layouts that follow basic design and typography principles. In addition to learning to use the features and tools in MS Publisher, basic design and typography principles will be introduced.

Prerequisite: OBT 122 or OBT 124 with a "D" or higher.

OCEA& 101 Introduction to Oceanography (5)

NATURAL SCIENCES

A survey of the extent and nature of the oceans including the contributions of the solid Earth, hydrosphere, atmosphere, and biosphere to their physical structure, chemical composition, and functioning. Field trips may be required. Lab included.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

ODBI 005 Integrated Math I (5)

BASIC EDUCATION FOR ADULTS

Students will review and apply basic math skills while exploring topics in geometry. Instruction offered bilingually in English and Spanish.

Prerequisite: CASAS math score 204-220 or placement based on high school transcripts and literacy in Spanish.

ODBI 006 Integrated Math II (5)

BASIC EDUCATION FOR ADULTS

A course designed to strengthen math skills, including analyzing data, computing with integers, and using basic algebra equations to solve applied proportion, percent, and geometry problems. Instruction offered bilingually in English and Spanish.

Prerequisite: Completion of ODBI 005 with a C or better or CASAS Math Goals score of 221-235 or placement based on high school transcripts and literacy in Spanish.

ODBI 024 Computer Basics (5)

BASIC EDUCATION FOR ADULTS

Introduction to basic computer skills taught bilingually in Spanish and English for Open Doors students who are novice computer users. Through a hands-on approach, students will understand common computer terms, develop navigation skills with the keyboard and mouse, manage electronic files, send and receive email, locate information on the worldwide web, and explore e-learning tools. Basic reading and writing will be taught in the context of using a personal computer.

Prerequisite: None.

ODBI 025 Digital Literacy (1-5)

BASIC EDUCATION FOR ADULTS

This course covers skills and knowledge needed to effectively use technology for college and career success.

Prerequisite: ODBI 24 with a C or higher (or instructor permission) or be able to communicate through the MySVC email account and use basic features in text editors.

ODBI 070 GED® Prep Social Studies and Language Artsy (7)

BASIC EDUCATION FOR ADULTS

Students work towards knowledge and competencies required to pass GED® exams in Social Studies and Language Arts. Instruction offered bilingually in Spanish and English.

Prerequisite: Basic computer and typing skills or ODHS 24 or ODBI 24 with a C or better.

ODBI 072 GED® Prep Math and Science (7)

BASIC EDUCATION FOR ADULTS

Students work toward knowledge and competencies required to pass GED® exams in Math and Science. Instruction offered bilingually in Spanish and English.

Prerequisite: ODBI 044 with a C or higher, OR CASAS Math score 221+ OR Accuplacer Arithmetic 237+.

ODHS 017 Competency–Geometry/Integrated Math II (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in Geometry or Integrated Math II through life experience.

Prerequisite: None.

ODHS 018 HSC First Quarter Experience (3)

BASIC EDUCATION FOR ADULTS

In this course, students will explore the relationship between power and education by learning about the historical inequities of the U.S. public school system. Students will identify the institutional, societal, and personal barriers to education that they have faced in the past and create a plan for overcoming those barriers in the future. Students will receive consistent study skills instruction and feedback that they will apply to co-enrolled courses.

Prerequisite: None.

ODHS 025 CCB Digital Literacy (3)

BASIC EDUCATION FOR ADULTS

This course covers skills and knowledge needed to effectively use technology for college and career success.

Prerequisite: None.

8 Course Descriptions

ODHS 027 Competency–English (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in English through placement exam and prior transcripts.

Prerequisite: None.

ODHS 028 Competency–State History (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in State History through life experience or prior transcripts.

Prerequisite: None.

ODHS 029 Competency–U.S. History (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in U.S. History through prior transcripts or life experience.

Prerequisite: None.

ODHS 031 CCB Literacy and Math I (1-16)

BASIC EDUCATION FOR ADULTS

First in a series of three courses in which students improve critical thinking, reading, writing, oral communication, and math skills to prepare for entry into high school completion and/or transition to college or employment.

Prerequisite: None.

ODHS 032 CCB Literacy and Math II (1-16)

BASIC EDUCATION FOR ADULTS

Second in a series of three courses in which students improve critical thinking, reading, writing, oral communication, and math skills to prepare for entry into high school completion and/or transition to college or employment.

Prerequisite: None.

ODHS 033 CCB Literacy and Math III (1-16)

BASIC EDUCATION FOR ADULTS

Third course in a series to improve academic confidence through mastering critical thinking, writing, and reading skills in order to prepare for completion of HS21+ or GED® and/or transition to college coursework. May be contextualized within social science, humanities, or science content areas or topics.

Prerequisite: None.

ODHS 041 CCB Basic Math (5)

BASIC EDUCATION FOR ADULTS

A beginning mathematics course designed to establish a solid mathematical foundation. Topics include operations using whole numbers, decimals, and fractions; determining place-value, and order of operations; calculations using ratios and proportions.

Prerequisite: CASAS math score 204-220 or placement based on HS transcripts.

ODHS 042 Integrated Math II (5)

BASIC EDUCATION FOR ADULTS

A course designed to strengthen math skills, including analyzing data, computing with integers, and using basic algebra equations to solve applied proportion, percent, and geometry problems.

Prerequisite: ODHS 005 or ODBI 005 or CASAS Math Goals score of 221-235 or placement based on HS transcripts.

ODHS 043 CCB Beginning Algebra (5)

BASIC EDUCATION FOR ADULTS

A beginning course in algebra, building on topics introduced in CCB 042. Topics include algebraic expressions, solving linear equations and inequalities, graphing linear equations, solving systems of linear equations and inequalities, mathematical modeling, and functions.

Prerequisite: CCB 042 or CASAS Math 235+ or placement based on HS transcripts.

ODHS 044 Integrated Math I (5)

BASIC EDUCATION FOR ADULTS

Students will review and apply basic math skills while exploring topics in geometry.

Prerequisite: CASAS math score 204-220 or placement based on HS transcripts.

ODHS 045 HSC Algebra II (5)

BASIC EDUCATION FOR ADULTS

This course continues topics covered in high school algebra and completes all HS math requirements for the HS+ diploma.

Prerequisite: Completion of HSC 018 or Permission AND one of the following: completion of CCB 043, CASAS Math Goals score 236-250, or placement based on HS transcripts.

ODHS 050 College Prep Seminar (2)

BASIC EDUCATION FOR ADULTS

Course will focus on providing students transitioning into college and career programs with an orientation to college resources and labor market information to assist them in making an informed decision in choosing a career pathway.

Prerequisite: Concurrent Enrollment in CCB 054 OR advisor permission.

ODHS 051 Academic Skills Lab (2)

BASIC EDUCATION FOR ADULTS

Students receive support and tutoring in academic skills including writing, math, and reading for coursework assigned in CCB, ELA, On Ramp, HS21+, or I-BEST classes.

Prerequisite: None.

ODHS 052 HSC Fine Arts (3)

BASIC EDUCATION FOR ADULTS

This course explores the forms, meanings, and purposes of art and its role in human society.

Prerequisite: Completion of/co-enrollment in HSC 018 or permission.

ODHS 053 HSC Social Studies Project (1-5)

BASIC EDUCATION FOR ADULTS

This project-based course is designed to help students demonstrate competency in social studies subjects required for the HS+ diploma.

Prerequisite: HSC 018 with a "D" or higher AND HSC 065 with a "C" or higher (or 1 credit U.S. History from HS transcripts).

ODHS 060 GED® Prep Social Studies and Language Arts (1-7)

BASIC EDUCATION FOR ADULTS

Students work toward knowledge and competencies required to pass GED® exams in social studies and language arts.

Prerequisite: CASAS GOALS Reading Score 243+; (or Accuplacer Reading Next Gen 237+). Prerequisite/Co-requisite: Concurrent enrollment in either HSC 018 or ELA 018, or HSC 018 or ELA 018 with a "D" or higher.

8 Course Descriptions

ODHS 061 HSC World Problems and Fine Arts (5)

BASIC EDUCATION FOR ADULTS

This course explores the historical and cultural context of current world problems using methods of Theater of the Oppressed and/or other art forms.

Prerequisite/Co-requisite: HSC 018 or ELA 018 with a C or higher (or concurrent enrollment).

ODHS 062 HSC History, Geography, World Problems (5)

BASIC EDUCATION FOR ADULTS

This course explores the historical and cultural context of current world problems.

Prerequisite: HSC 018 or ELA 018 with a C or higher (or concurrent enrollment).

ODHS 063 HSC Civics and Government (3)

BASIC EDUCATION FOR ADULTS

In this course, students explore federal, state, tribal, and local government organization and procedures, as well as their histories and underlying philosophies. This includes study of primary source materials that serve as foundational documents for these systems of government.

Prerequisite: HSC 065 with a "C" (or 1 credit U.S. History from HS transcripts).

Prerequisite/ Co-requisite: HSC 018 with "D".

ODHS 065 HSC U.S. History (5)

BASIC EDUCATION FOR ADULTS

This course examines major developments in U.S. history.

Prerequisite: HSC 018 or ELA 018 with a "D" or higher (or concurrent enrollment).

ODHS 066 Washington State History (3)

BASIC EDUCATION FOR ADULTS

Students explore topics in Washington State history.

Prerequisite: CASAS Reading Score 228 or completion of CCB/ENGL 095 AND Co-requisite HSC 018

ODHS 067 Washington State History and the Environment (5)

BASIC EDUCATION FOR ADULTS

Students explore the ways in which human civilization has shaped the land in Washington State throughout its history.

Prerequisite: CASAS Reading Score 228 or completion of ODHS 095 AND Co-requisite ODHS 018.

ODHS 068 HSC Washington State History and Ethnic Studies (5)

BASIC EDUCATION FOR ADULTS

This course examines major developments in Washington State history and the Pacific Northwest region.

Prerequisite/Co-requisite: HSC 018 or ELA 018 with a C or higher (or concurrent enrollment).

ODHS 069 Washington State History and the Environment (w/lab) (5)

BASIC EDUCATION FOR ADULTS

Students explore the ways in which human civilization has shaped the land in Washington State throughout its history.

Prerequisite/Co-requisite: ODHS 018 with a C or better (or concurrent enrollment).

ODHS 070 GED® Prep Math and Science (1-7)

BASIC EDUCATION FOR ADULTS

Students work toward knowledge and competencies required to pass GED® exams in math and science.

Prerequisite: CCB 041/ODHS 44/ODHS 85 with a C or higher (or CASAS Math score 221+ or Accuplacer Arithmetic 237+) Prerequisite/Corequisite: ODHS with a C or higher (or concurrent enrollment).

ODHS 073 HSC Science of Music (5)

BASIC EDUCATION FOR ADULTS

Students explore the connection between music and science by learning about the physics of sound, the biology of sound perception, and the psychology of human responses to music. This course is especially useful to students pursuing Early Childhood Education AAS or Education DTA.

Prerequisite/Co-requisite: ODHS 18 with a grade of C or higher (or concurrent enrollment).

ODHS 074 HSC Botany (5)

BASIC EDUCATION FOR ADULTS

Students explore the structure and life cycle of plants and their role in our ecosystem and in society.

Prerequisite: ODHS 18 with a grade of C or higher (or concurrent enrollment).

ODHS 075 HSC Science with Lab (5)

BASIC EDUCATION FOR ADULTS

This course covers life and/or physical science topics.

Prerequisite: ODHS 018 with a grade of C or higher.

ODHS 076 HSC Nutrition, Health, and Fitness (5)

BASIC EDUCATION FOR ADULTS

This course explores basic principles of nutritional science, digestion, absorption, and metabolism, scientific evaluation of nutritional needs of humans, cultural influences on food, and current nutrition controversies.

Prerequisite: ODHS 18 with a C or higher (or concurrent enrollment).

ODHS 080 HSC Physical Education and Health (3)

BASIC EDUCATION FOR ADULTS

This course covers topics in health and fitness in fulfillment of high school completion requirements.

Prerequisite: ODHS 18 with a grade of C or higher OR concurrent enrollment.

ODHS 081 Competency – World Problems (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in World Problems through life experience or prior transcripts.

Prerequisite: None.

ODHS 083 Competency – Electives (1-4)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in electives through life experience.

Prerequisite: None.

ODHS 084 Competency – Civics (1)

BASIC EDUCATION FOR ADULTS

Identify and document life experience to demonstrate competency in high school Civics.

Prerequisite: None.

ODHS 086 Competency – Algebra/Integrated Math I (1)

BASIC EDUCATION FOR ADULTS

This course provides students the opportunity to demonstrate high school competency in algebra or Integrated Math I through life experience.

Prerequisite: None.

8 Course Descriptions

ODHS 087 Elementary Algebra (5)

BASIC EDUCATION FOR ADULTS

This is a beginning course in algebra. Topics include: algebraic expressions; linear equations and inequalities; systems of linear equations and inequalities; and an introduction to polynomials and factoring.

Prerequisite: MATH 096 or CCB 42 with a C or higher (or placement into CCB42/MATH 097/WMATH 100).

ODHS 089 Intermediate STEM Algebra (5)

BASIC EDUCATION FOR ADULTS

This course builds on topics from Math 97. Topics include: an introduction to polynomials and factoring; quadratic, rational, radical, exponential, and logarithmic functions and equations; complex numbers; composite and inverse functions; distance formula and circles.

Prerequisite: CCB 87 or ODHS 87 or MATH 97 with a grade of C or higher, or appropriate math placement score.

ODHS 095 Transitional Reading and Writing (1-10)

BASIC EDUCATION FOR ADULTS

Examine habits, attitudes, and thought processes that lead to academic and professional success. Improve academic confidence through building critical thinking, writing, and reading skills, as well as digital literacy.

Prerequisite: Receive a P grade in ODLA 053 (or placement into ODHS 095) or CASAS Reading GOALS score of 217-227.

ODHS 096 English Foundations (5)

BASIC EDUCATION FOR ADULTS

For Open Doors students who have not taken and passed any high school English courses. This course covers grammar, writing, and communication skills in fulfillment of the English 1 and 2 requirements for the high school diploma, as well as prerequisite requirements for ENGL 97.

Prerequisite: CASAS Reading score 228-242 AND completion of / co-enrollment in ODHS 18 with a C or higher.

ODHS 097 College Prep English (10)

BASIC EDUCATION FOR ADULTS

Improve academic skills and confidence through mastering critical thinking, writing, and reading skills. Identify and implement habits, attitudes, and thought processes that lead to academic and professional success.

Prerequisite: CASAS Reading GOALS Score 243-253 OR ODHS 96 with a C or higher.
Prerequisite/Corequisite: ODHS 18 with a C or higher. Students enrolling in this course should possess typing and computer skills.

ODHS 099 Academic Skills (1-10)

BASIC EDUCATION FOR ADULTS

Develop fundamental reading, writing, and/or math skills needed for success in discipline-based I-BEST course through contextualized instruction.

Prerequisite: Co-enrollment in appropriate content course.

ODLA 011 Open Doors ELA 1 (Beginning ELA Literacy) (1-15)

BASIC EDUCATION FOR ADULTS

ELA Level 1 (Beginning ELA Literacy) Students improve English listening, speaking, reading, writing and comprehension with a goal to develop college and career readiness skills.

Prerequisite: None.

ODLA 012 ELA 2 for Open Doors (1-15)

BASIC EDUCATION FOR ADULTS

ELA Level 2 (Beginning ELA) Students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills.

Prerequisite: ELA 011 with a "P" (or placement into ELA 012).

ODLA 013 ELA 3 for Open Doors (1-15)

BASIC EDUCATION FOR ADULTS

ESL Level 3 (Low Intermediate ESL) Students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills.

Prerequisite: ELA 012 with a P (or placement into ELA 013).

ODLA 041 ELA 4-1 for Open Doors (1-15)

BASIC EDUCATION FOR ADULTS

ODLA Level 4-1 (High Intermediate ESL). Students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ODLA 42.

Prerequisite: Receive a P grade in ODLA 13 (or placement into ELA/ODLA 41).

ODLA 042 ELA 4-2 for Open Doors (1-15)

BASIC EDUCATION FOR ADULTS

ELA Level 4-2 (High Intermediate ESL). Students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ELA 43.

Prerequisite: Receive a P grade in ELA 41 (or placement into ELA 42).

ODLA 043 ELA 4-3 for Open Doors (1-15)

BASIC EDUCATION FOR ADULTS

ELA Level 4-3 (High Intermediate ESL). Students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ELA 51.

Prerequisite: Receive a P grade in ELA 42 (or placement into ELA 43).

ODLA 051 ELA 5-1 for Open Doors (1-15)

BASIC EDUCATION FOR ADULTS

ELA Level 5-1 (Low Advanced ELA). Students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ELA 52.

Prerequisite: Receive a P grade in ELA 43 (or placement into ELA 51).

ODLA 052 ELA 5-2 for Open Doors (1-15)

BASIC EDUCATION FOR ADULTS

ELA Level 5-2 (Low Advanced ELA). Students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ELA 53.

Prerequisite: Receive a P grade in ELA 51 (or placement into ELA 52).

8 Course Descriptions

ODLA 053 ELA 5-3 for Open Doors (1-15)

BASIC EDUCATION FOR ADULTS

ELA Level 5-3 (Low Advanced ELA). Students improve English listening, speaking, reading, and writing and comprehension with a goal to develop college and career readiness skills. Prepares students for transition to ELA 18 and/or CCB/ELA 95.

Prerequisite: Receive a P grade in ELA 52 (or placement into ELA 53).

PE 011 Boat Piloting (1)

HEALTH SCIENCES

Piloting, rules of the road, basic knots and safety. Given by the U.S. Squadron.

Prerequisite: None.

PE 012 Piloting and Seamanship (1)

HEALTH SCIENCES

Second part of the Piloting course. Piloting, rules of the road, basic knots, safety. Given by the U.S. Power Squadron.

Prerequisite: PE 011 with a "D" or higher.

PE 100 Wellness For Life (1)

HEALTH SCIENCES

This course addresses issues of physiological and psychological well-being. Topics to be discussed include nutrition principles, fitness parameters, stress management and mental health. Techniques are presented to help the student incorporate a total health and fitness program into their lifestyle.

Prerequisite: None.

PE 101 Conditioning (1)

HEALTH SCIENCES

A cardiovascular and muscular endurance/strength class that incorporates a variety of activities which may include weight training, aerobics, kickboxing, basketball, badminton, pickleball, and yoga. This class is designed to accommodate all fitness levels.

Prerequisite: None.

PE 102 Advanced Conditioning (1)

HEALTH SCIENCES

This course is designed for students who are currently physically fit. Advanced cardiovascular and muscular endurance exercises will be incorporated.

Prerequisite: None.

PE 103 Wellness Movement (2)

HEALTH SCIENCES

Movement education and practice includes cardio respiratory, strength, mobility, and flexibility/body alignment and stress management activities. This course introduces various movement patterns in coordination with the concepts presented in the PE100 Wellness for Life curriculum (which is always taken in combination with this activity course). Techniques presented help the student incorporate a total health and fitness program into their lifestyle.

Prerequisite: None.

PE 105 Beginning Swimming (1)

HEALTH SCIENCES

Simple water safety techniques for the non-swimmer. Development of confidence, floating and elementary strokes will be taught.

Prerequisite: None.

PE 106 Intermediate Swimming (1)

HEALTH SCIENCES

Special emphasis on four basic strokes as to form and endurance in performance. For those students who swim in poor form, 20 yards (one length).

Prerequisite: PE 105 with a "D" or higher.

PE 107 Advanced Swimming (1)

HEALTH SCIENCES

Advanced strokes will be covered with special attention given to endurance and form.

Prerequisite: PE 106 with a "D" or higher.

PE 110 Tai Ji Quan (Tai Chi) (1)

HEALTH SCIENCES

Tai ji quan (tai chi) is an ancient Chinese form of exercise which provides numerous health benefits: greater flexibility, core strength, balance, focus and concentration, relaxation, and improved immunity.

Prerequisite: None.

PE 111 Jogging, Walking (1)

HEALTH SCIENCES

This course is designed to provide students of all ages and backgrounds the opportunity to improve her/his cardiovascular fitness level through walking and/or jogging activities. This class utilizes the outdoor trail.

Prerequisite: None.

PE 112 Weight Training (1)

HEALTH SCIENCES

This course addresses use of resistance weight equipment using proper body mechanics. Emphasizes strength training.

Prerequisite: None.

PE 113 Strength and Cardio Training (1-2)

HEALTH SCIENCES

This course combines the benefits of cardiovascular or aerobic training with the benefits of weight training.

Prerequisite: None.

PE 114 Olympic and Powerlifting (1)

HEALTH SCIENCES

This course introduces and breaks down Olympic and power lifts.

Prerequisite: None.

PE 115 Cross Training (2)

HEALTH SCIENCES

Students will perform and study a variety of exercise applications such as: weight training, aerobic dance, bench, etc., to increase and pursue their personal fitness and life-long wellness skills.

Prerequisite: None.

PE 117 Core Basics (1)

HEALTH SCIENCES

This class is designed for all fitness levels. Students will be able to design their own Swiss ball and core program at the end of the quarter. This is a hands-on class with an emphasis on strengthening the core and education on injury prevention.

Prerequisite: None.

8 Course Descriptions

PE 122 Basketball (1)

HEALTH SCIENCES

Competitive coeducational basketball. Rules, regulations and theory of team play will be emphasized.

Prerequisite: None.

PE 125 Introduction to Hiking and Backpacking (1)

HEALTH SCIENCES

This course will include lectures, videos, and field work to teach basic hiking and backpacking skills. These skills are easy and fun to learn; you need only to be in good health and reasonably fit.

Prerequisite: None.

PE 129 Volleyball (1)

HEALTH SCIENCES

Basic skills will be introduced and reviewed. Coeducational, recreational team play rules, regulations, and theory of team play will be emphasized.

Prerequisite: None.

PE 131 Beginning Bowling (1)

HEALTH SCIENCES

Basic and essential bowling skills are taught and practiced. Bowling fee is required by the student. Rules, regulations and theory of team play will be emphasized.

Prerequisite: None.

PE 132 Disc Golf (1)

HEALTH SCIENCES

Techniques for throwing discs; equipment, knowledge, etiquette, and rules associated with playing a disc golf course; experience playing practice and official disc golf courses.

Prerequisite: None.

PE 133 Golf (1)

HEALTH SCIENCES

Learn basic techniques, skills and rules of the game.

Prerequisite: None.

PE 134 Self-Defense and Martial Arts (1)

HEALTH SCIENCES

Learn the basic skills for defending yourself from a grab, punch, choke, weapons and ground attack.

Prerequisite: None.

PE 135 Beginning Karate (1)

HEALTH SCIENCES

Learn basic Japanese karate stances, blocks, strikes, and kicks and their applications in varying combinations, individually and with partners. Practice of karate helps students improve or maintain physical strength, endurance, and flexibility. Emphasis is on proper form and safety.

Prerequisite: None.

PE 136 Intermediate Karate (1)

HEALTH SCIENCES

Continued improvement of basic Japanese karate stances, blocks, strikes, and kicks and their applications in varying combinations, individually and with partners. Emphasis is on proper form and safety, increased flexibility, fluid movement, and increased strength.

Prerequisite: PE 135 with a "D" or higher.

PE 137 Advanced Karate (2)

HEALTH SCIENCES

Detailed and specific refinement and mental approach to art.

Prerequisite: colored belt in GoJuRyu.

PE 138 Cardio Kickboxing (1)

HEALTH SCIENCES

A continuous cardiovascular program that incorporates basic and intermediate kicks and punches of kickboxing. This class will include shadow boxing and partner drills with some contact using pads. Some basic self-defense maneuvers will also be taught.

Prerequisite: None.

PE 139 Advanced Cardio Kickboxing (1)

HEALTH SCIENCES

A continuous cardiovascular program that incorporates advanced punches, kicks, and self-defense moves.

Prerequisite: PE 138 with a "D" or higher.

PE 140 Step and Sculpt (1)

HEALTH SCIENCES

A cardiovascular program on a four inch to twelve inch platform which is performed to music. Aerobic section followed by resistance training.

Prerequisite: None.

PE 142 Line Dance (1)

HEALTH SCIENCES

Learn coordination, body awareness and fitness skills through dancing. Students will learn basic steps and a variety of line dance moves.

Prerequisite: None.

PE 143 Swing Dance (1)

HEALTH SCIENCES

Coordination, fitness, and communication skills through partner dancing. Students will learn basic steps and a variety of swing dance moves.

Prerequisite: None.

PE 144 Beginning Tennis (1)

HEALTH SCIENCES

Beginning tennis is designed for students who desire formal instruction in tennis and/or those who cannot perform the basic strokes well enough to enjoy a baseline game. The basic skills and techniques for singles and doubles will be presented with emphasis on the forehand drive, backhand drive, basic volley and serve.

Prerequisite: None.

PE 145 Intermediate Tennis (1)

HEALTH SCIENCES

This course is designed for students who have taken PE 144 or can perform the ground strokes and serve well enough to enjoy a baseline game. Intermediate tennis will review the basic strokes and learn more advanced techniques. Advanced net play will be covered. Much time will be spent in actual situations covering all aspects of tennis.

Prerequisite: None.

8 Course Descriptions

PE 146 Jazz Dance (1)

HEALTH SCIENCES

Basic and intermediate jazz dance including vocabulary, steps, body positions, general body coordination and fitness.

Prerequisite: None.

PE 147 Latin Dance (1)

HEALTH SCIENCES

Coordination, body awareness, fitness, and communication skills through partner dancing. Students will learn basic steps of different styles and variations of Latin dance.

Prerequisite: None.

PE 148 Pilates (1)

HEALTH SCIENCES

Pilates is a method of body conditioning that incorporates a system of stretching and strengthening exercises. Students will be expected to participate in a series of Pilates exercises each class session. Students will experience muscle tone, improved posture, and improved flexibility and balance creating a more streamlined shape.

Prerequisite: None.

PE 149 Fitness Through Yoga (1)

HEALTH SCIENCES

This course addresses the fitness aspect of Hatha yoga. Exercise techniques are presented to help the student improve his/her flexibility and strength. Relaxation and breathing techniques are used to teach stress management.

Prerequisite: None.

PE 150 Waltz Dance (1)

HEALTH SCIENCES

Coordination, fitness, and communication skills through partner dancing. Students will learn basic waltz steps and several styles and variations.

Prerequisite: None.

PE 151 Healthy Movement in Retirement Years (1)

HEALTH SCIENCES

This class will focus on cardiovascular health, flexibility, balance, muscular strength and increasing overall functional mobility in the retirement years. All ages are welcome.

Prerequisite: None.

PE 156 Sailing (2)

HEALTH SCIENCES

Lecture and practical demonstration to introduce students to sailing. Theory, techniques, rules and safety procedures of sailboat handling will be emphasized.

Prerequisite: None.

PE 159 Advanced Yoga (1)

HEALTH SCIENCES

This course addresses the fitness aspect of Hatha Yoga, and is designed for individuals that have had some type of yoga training. Poses and techniques are taught to help with strength, endurance, posture, stress and breathing

Prerequisite: None.

PE 160 Physical Fitness (1)

HEALTH SCIENCES

An individual and personalized exercise program developed with the instructor and performed at the student's scheduled time.

Prerequisite: None.

PE 161 Fire Fighter Fitness and Wellness (2)

HEALTH SCIENCES

This course is designed to meet the needs of the students preparing themselves for a job in the fire department. Twice a week the students will be in an active setting, preparing them to meet the job performance testing requirements. One hour a week this course addresses issue of physiological and psychological well-being. Topics to be discussed include nutrition principals, fitness parameters and stress management. Techniques are presented to help the students incorporate a total health and fitness program into their lifestyle. Course fulfills PE 100 requirement.

Prerequisite: Students must be enrolled in the Fire Protection Tech program.

PE 162 Criminal Justice Physical Fitness (1)

HEALTH SCIENCES

This course is designed to prepare the students for the testing requirements for the police department. Strength training, flexibility, cardiovascular endurance and agility training are all incorporated in the class. The students must be enrolled in the CJ program.

Prerequisite: None.

PE 164 Pilates and Yoga Fusion (1)

HEALTH SCIENCES

This class incorporates yoga and Pilates moves with an emphasis on strengthening your core. Students will learn how to stretch and strengthen all major muscles using poses from different styles of yoga and Pilates. This class is appropriate for all levels of fitness.

Prerequisite: None.

PE 167 Introduction to Kayaking (2)

HEALTH SCIENCES

This course will use lectures, videos, and hands-on training in a pool, lake, or bay to safely teach basic kayak handling skills. These skills are easy and fun to learn; you will need only to be in good health and be able to swim.

Prerequisite: None.

PE 169 Canoeing (1)

HEALTH SCIENCES

Basics of safe and effective canoe use.

Prerequisite: None.

PE 170 Paddling (1)

HEALTH SCIENCES

Basics of safe and effective paddling. This course will leave you feeling very comfortable paddling in a team sport environment. Maneuvering, safety considerations, and tides will be covered. Development of specific knowledge about the Dragon Boat sport in the areas of terminology, history, basic strategies, and other concepts relevant to the sport. No prior knowledge or experience necessary.

Prerequisite: None.

8 Course Descriptions

PE 180 Pickleball (1)

HEALTH SCIENCES

Pickleball is designed for students to receive instruction on the basic strokes, rules, terminology and strategy for the sport of pickleball. Sports performance will be achieved through active singles and doubles play.

Prerequisite: None.

PE 190 Weight Control Movement (1)

HEALTH SCIENCES

This course practices various forms of activity focusing on lifelong weight management. Physical movement programs are developed and performed based on individual student's ability and weight loss goals.

Prerequisite: None.

PE 200 First Aid, Safety, and CPR (2)

HEALTH SCIENCES

Basic First Aid, safety regulations and CPR. First Aid cards will be issued upon completion and are valid for two years.

Prerequisite: None.

PE 205 Basic First Aid (1)

HEALTH SCIENCES

Meets the first aid requirements of the Department of Labor and Industries.

Prerequisite: None.

PE 208 Water Safety Instructor (2)

HEALTH SCIENCES

Course is designed to train the student to teach American Red Cross Swimming and Water Safety courses.

Prerequisite: None.

PE 234 Athletic Conditioning (1)

HEALTH SCIENCES

Skagit Valley College Athletes will be instructed in best practice conditioning exercises for their particular sport.

Prerequisite: Instructor Permission.

PE 235 Athletic Techniques (1)

HEALTH SCIENCES

Skagit Valley College Athletes will be instructed in sport-specific techniques.

Prerequisite: Instructor Permission.

PE 261 Advanced Firefighter Fitness (1)

HEALTH SCIENCES

An individualized exercise program including periodic health screenings and job related fitness assessments. Course designed to prepare students to meet physical job performance testing requirements for the fire department.

Prerequisite: PE 161 with a "D" or higher.

PE 299 Learning into Action (2)

HEALTH SCIENCES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

PHIL& 101 Introduction to Philosophy (5)

HUMANITIES

A study of the fundamental questions of philosophy, including human nature, ethics, justice, political theory, and the nature of knowledge.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

PHIL& 106 Introduction to Logic (5)

HUMANITIES

Introduces the study of reasoning, including the ability to recognize, analyze, criticize and construct the main types of argument and proof.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

PHIL 115 Introduction to Learning and Knowing (5)

HUMANITIES

An integrated course in which we examine how we acquire knowledge through the disciplinary perspectives of both philosophy and psychology.

Prerequisite: ENGL& 101 with a "C" or higher.

PHIL 120 Formal Logic (5)

HUMANITIES

A rigorous course in the calculus of sentence relations and predications.

Prerequisite: ENGL& 101 with a "C" or higher.

PHIL 140 Philosophy of Religion (5)

HUMANITIES

Philosophical exploration of the nature of religion, the nature of the ultimate (God), and the meaning of religious concepts (faith, revelation, religious experience, immortality).

Prerequisite: ENGL& 101 with a "C" or higher.

PHIL 215 Introduction to Ethics (5)

HUMANITIES

Develops the ideas of humans as moral agents and critically considers various interpretations of the ideals and standards of moral conduct.

Prerequisite: ENGL& 101 with a "C" or higher.

PHIL 291 Ethics and Policy in Healthcare (5)

HUMANITIES

Policy and Ethics in Healthcare is a required course for the Nursing Department Direct Transfer Agreement. The foundational principles of ethics and the health care policy environments are covered specific to the profession of nursing and health care. Explores the legal and ethical implications of the nursing process as applied to personal, client and organizational beliefs and values, utilizing the Jonsen, Siegler and Winslade (2010) Model for practice application. Focus is on understanding of policies, ethics, and legal issues related to overall practice in healthcare professions. Includes local, state, national, and global perspectives of healthcare policy, ethics and law. Includes a focus on emerging issues and uses of technology to plan for the future.

Prerequisite: NURS 281, 282 with a grade 2.7 (B-) or higher and concurrent enrollment in NURS 291, 292.

8 Course Descriptions

PHIL 294 Ethics and Policy in Healthcare (Part 1) (2.5)

HUMANITIES

Policy and Ethics in Healthcare is a required course for the Nursing Department Direct Transfer Agreement. The foundational principles of ethics and the health care policy environments are covered specific to the profession of nursing and health care. Explores the legal and ethical implications of the nursing process as applied to personal, client and organizational beliefs and values, utilizing the Jonsen, Siegler and Winslade (2010) Model for practice application. Focus is on understanding of policies, ethics, and legal issues related to overall practice in healthcare professions. Includes local, state, national, and global perspectives of healthcare policy, ethics and law. Includes a focus on emerging issues and uses of technology to plan for the future. (Part 1 of two-part course.)

Prerequisite: NURS 287, 288 with a grade 2.7 (B-) or higher and concurrent enrollment in PHIL 297.

PHIL 295 Philosophy Integrative Experience Seminar (2)

HUMANITIES

An Integrative Experience emphasizing an interdisciplinary approach to current issues in philosophy, including the societal context of philosophy and technology, and/or the ethical, political, and cultural aspects of philosophy.

Prerequisite: None.

PHIL 297 Ethics and Policy in Healthcare (Part 2) (2.5)

HUMANITIES

Policy and Ethics in Healthcare is a required course for the Nursing Department Direct Transfer Agreement. The foundational principles of ethics and the health care policy environments are covered specific to the profession of nursing and health care. Explores the legal and ethical implications of the nursing process as applied to personal, client and organizational beliefs and values, utilizing the Jonsen, Siegler and Winslade (2010) Model for practice application. Focus is on understanding of policies, ethics, and legal issues related to overall practice in healthcare professions. Includes local, state, national, and global perspectives of healthcare policy, ethics and law. Includes a focus on emerging issues and uses of technology to plan for the future. (Part 2 of two-part course.)

Prerequisite: NURS 287, 288 with a grade 2.7 (B-) or higher and concurrent enrollment in PHIL 294.

PHIL 299 Learning into Action (5)

HUMANITIES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

PHIL 405 Ethical/Economical Product Development (5)

HUMANITIES

Examination of the role of ethics and social responsibility in business. Theoretical concepts in business ethics will be applied to challenges faced in the development of ethical products and processes. Emphasizes personal integrity, contemporary trends, and corporate responsibilities with respect to legal, economic, and regulatory conditions while addressing the needs of stakeholders in the marketplace.

Prerequisite: BAS-AMD Director permission.

PHIL 430 Ethics and Law in Information Technology (IT) (5)

HUMANITIES

Explore legal and ethical concepts in the information technology field. Includes data privacy, explores handling and storing data, licensing, third party requirements, anonymize, Open Source, copyright, intellectual property rights, hacking and fraud. Study the difference between laws and ethics and examine ethical issues encountered in IT to arrive at appropriate ethical choices.

Prerequisite: BASAD department chair permission.

PHIL 440 Ethics and the Manager (5)

HUMANITIES

Examine how personal ethical outlooks are shaped by life experiences and how bias may impact ethical philosophies or approaches to ethical and moral issues. Explore the use of ethical theories in management decision making. Analyze the ways in which managers navigate the inherent tensions between organizational objectives, legal obligations, ethical behavior, and social responsibility.

Prerequisite: BASM department chair permission.

PHIL 446 Ethics and the Healthcare Manager (5)

HUMANITIES

Examine the role of ethics and social responsibility in the healthcare environment. Theoretical concepts in healthcare ethics will be applied to real-world situations based on challenges managers face. Emphasis on personal outlooks, contemporary trends, and responsibilities with respect to ethical, legal, economic, regulatory conditions, and the needs of stakeholders in healthcare. Case studies/simulations will be used to explore real-world ethical and social responsibility dilemmas.

Prerequisite: BASM department chair permission.

PHYS& 100 Physics Non-Science Majors (5)

NATURAL SCIENCES

A survey of the major ideas of physics for non-science majors including classical and modern topics.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

8 Course Descriptions

PHYS 111 Matter and Energy in Physics (5)

NATURAL SCIENCES

A hands-on and mostly lab-based exploration of physics designed to foster basic understanding of the relationship between mechanical, thermal and electromagnetic forces and energy. The course explores how is energy fundamental in explaining the changes we observe around us and how this evidence is used to construct scientific understanding. Lab included. This course is open to all students and is part of science sequence recommended for students pursuing a career in elementary education. The suggested sequence is PHYS 111 followed by EASC 111.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and either placement into OR co-enrollment in OR completion of a college-level Math course with a grade of "C" or higher.

PHYS& 124 General Physics Lab I (1)

NATURAL SCIENCES

Physics lab to accompany PHYS& 134. Topics include kinematics, forces, energy, momentum and rotational motion.

Prerequisite: Concurrent enrollment in PHYS& 134.

PHYS& 125 General Physics Lab II (1)

NATURAL SCIENCES

Physics lab to accompany PHYS& 135. Topics include fluids, heat, waves, sound and optics.

Prerequisite: Concurrent enrollment in PHYS& 135.

PHYS& 126 General Physics Lab III (1)

NATURAL SCIENCES

Effectively interpret and communicate experimental results.

Prerequisite: Concurrent enrollment in PHYS& 136.

PHYS& 134 General Physics I (5)

NATURAL SCIENCES

Algebra-based physics course. The subject matter is mechanics with emphasis on Newton's laws, energy, momentum, and rotational motion.

Prerequisite: MATH 099 with a grade of "C" or higher; and ENGL 099 with a grade of "C" or higher (or placement into college-level English). AND Co-requisite: Concurrent enrollment in PHYS& 124.

PHYS& 135 General Physics II (5)

NATURAL SCIENCES

Continuation of PHYS& 134 with emphasis on atomic theory of gases, heat, waves, sound and geometric optics.

Prerequisite: ENGL& 101 with a grade of "C" or higher; and either MATH 099 with a grade of "C" or higher (or placement into MATH& 141). AND Co-requisite: Concurrent enrollment in PHYS& 125.

PHYS& 136 General Physics III (5)

NATURAL SCIENCES

A continuation of PHYS& 134 with emphasis on electricity, magnetism, and the electromagnetic spectrum.

Prerequisite: ENGL& 101 with a grade of "C" or higher (or concurrent enrollment); and either MATH 099 with a grade of "C" or higher (or placement into MATH&141). AND Co-requisite: Concurrent enrollment in PHYS& 126.

PHYS 199 Cooperative Education (1-15)

NATURAL SCIENCES

Supervised work experience in the field. Includes a weekly seminar. Instructor permission required.

Prerequisite: None.

PHYS& 231 Engineering Physics Lab I (1)

NATURAL SCIENCES

Physics lab to accompany PHYS& 241. Topics include kinematics, forces, energy, momentum, and rotational motion.

Prerequisite: Concurrent enrollment in PHYS& 241.

PHYS& 232 Engineering Physics Lab II (1)

NATURAL SCIENCES

Physics lab to accompany PHYS& 242. Topics include fluids, heat, waves, sound and optics.

Prerequisite: Concurrent enrollment in PHYS& 242.

PHYS& 233 Engineering Physics Lab III (1)

NATURAL SCIENCES

Physics lab to accompany PHYS& 243. Topics include electricity (including DC and AC circuits) and magnetism.

Prerequisite: Concurrent enrollment in PHYS& 243.

PHYS& 241 Engineering Physics I (5)

NATURAL SCIENCES

Calculus-based course in introductory mechanics emphasizing the statics, kinematics, and dynamics of particles and systems of particles.

Prerequisite: ENGL 099 with a grade of "C" or higher (or placement into college-level English); and MATH& 151 with a grade of "C" or higher (or concurrent enrollment). AND Co-requisite: Concurrent enrollment in PHYS& 231.

PHYS& 242 Engineering Physics II (5)

NATURAL SCIENCES

Continuation of PHYS& 241 extending the concepts of mechanics into the study of fluids and waves, heat and thermodynamics. Geometric and wave optics are also studied.

Prerequisite: ENGL& 101; PHYS& 241; and MATH& 152; all courses with a grade of "C" or higher (or concurrent enrollment). AND Co-requisite: Concurrent enrollment in PHYS& 232.

PHYS& 243 Engineering Physics III (5)

NATURAL SCIENCES

Continuation of PHYS& 241 with emphasis on electricity, magnetism, and the electromagnetic spectrum.

Prerequisite: Both ENGL& 101 and MATH& 152 with a grade of "C" or higher (or concurrent enrollment); and PHYS& 241 with a grade of "C" or higher. AND Co-requisite: Concurrent enrollment in PHYS& 233.

PHYS 295 Physics Integrative Experience Seminar (2)

NATURAL SCIENCES

An Integrative Experience emphasizing an interdisciplinary approach to current issues in physics, including the societal context of physics and technology, and/or the ethical, political, and cultural aspects of physics.

Prerequisite: None.

PHYS 299 Learning into Action (1-15)

NATURAL SCIENCES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

8 Course Descriptions

PHYS 316 Applied Strength of Materials for Manufacturing (5)

NATURAL SCIENCES

Introduction to the equipment, standards, and practices used in the testing of manufacturing materials. Review and adopt industrial safety practices; use laboratory equipment to conduct standard tests, and collect data on manufacturing materials; retain, organize, share, analyze, and visualize data; and develop solutions to engineering mechanics problems.

Prerequisite: Admission to BASAMD program and department chair permission.

POLS& 101 Introduction Political Science (5)

SOCIAL SCIENCES

Introduces theories and concepts used in politics, including types of governments, and explores political problems.

Prerequisite: ENGL 099 with a grade of C or higher OR placement into ENGL& 101.

POLS 131 Seminar in Educational Government I (1)

SOCIAL SCIENCES

For students who are active members of the Associated Students of Skagit Valley College.

Prerequisite: None.

POLS 132 Seminar in Educational Government II (1)

SOCIAL SCIENCES

Continuation of POLS 131.

Prerequisite: None.

POLS 200 Introduction to Law (5)

SOCIAL SCIENCES

Introduction to the origins, development, structure, institutions and processes of the US legal system. Topics include law as a system of social thought and behavior; law as a framework for the resolution of conflicting claims; legal reasoning; law as a process for protecting and facilitating voluntary interactions and fundamental rights in a business society; legal terminology, civil and criminal procedures, legal rights and remedies, torts, contracts, criminal law, and property. Required for all business students transferring to the UW School of Business; recommended for any student interested in a career in law, law enforcement or related.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

POLS 201 Comparative Government (5)

SOCIAL SCIENCES

A study of the structure and functioning of foreign political systems, including constitutional development, political parties, elections and bureaucracies. Parliamentary governments of Europe, the presidential governments of the Western Hemisphere and emerging governments of Eastern Europe will be used as models.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

POLS& 202 United States Government (5)

SOCIAL SCIENCES

Study of the American political system and the function, sources, and uses of power in American Politics. Also emphasizes ways of thinking about how institutions resolve significant problems, crises, and conflicts through the policy making process in a pluralistic society.

Prerequisite: ENGL 099 with a grade of C or higher OR placement into ENGL& 101.

POLS& 203 International Relations (5)

SOCIAL SCIENCES

A study of basic concepts involved in the study of a world community, including the politics of war, peace, and international economic relations.

Prerequisite: ENGL 099 with a grade of C or higher OR placement into ENGL& 101.

POLS 204 State and Local Government (5)

SOCIAL SCIENCES

Governmental forms used in our states and various units of local governments counties, cities, etc. Focuses on local political institutions and the relationship of citizens to them.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

POLS 295 Political Science Integrative Experience Seminar (2)

SOCIAL SCIENCES

An Integrative Experience emphasizing an interdisciplinary approach to current issues in political science, including the societal context of political science and technology, and/or the ethical, political, and cultural aspects of political science.

Prerequisite: None.

POLS 299 Learning into Action (1-15)

SOCIAL SCIENCES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

PRLEA 241 Park Ranger Law Enforcement Academy (PRLEA) Module 1 (6)

PUBLIC SERVICE AND SOCIAL SCIENCE

Introduction and orientation to the Park Ranger Academy. Covers decorum, uniform, esprit de corps, professional conduct and ethical behavior. Includes NIMS Incident Command Systems module self-study, and units covering harassment, bias policing, leadership, human relations, and baseline physical fitness assessment.

Prerequisite: Extensive background and criminal history check/drug analysis and department chair/committee approval.

PRLEA 242 Park Ranger Law Enforcement Academy (PRLEA) Module 2 (6)

PUBLIC SERVICE AND SOCIAL SCIENCE

Discusses the history, mission, philosophy, goals and objectives of National Park Service/Washington State Parks law enforcement and protection. Incorporates policies, procedures and protocols, Director's Orders RM-9, Tactical Communications, interviewing and interrogation techniques, conflict management, managing abnormal behaviors, description and identification, victim/witness awareness, special needs groups, and use of force principles and guidelines.

Prerequisite: Extensive background and criminal history check/drug analysis and department chair/committee approval.

8 Course Descriptions

PRLEA 243 Park Ranger Law Enforcement Academy (PRLEA) Module 3 (6)

PUBLIC SERVICE AND SOCIAL SCIENCE

Introduction to legal principles, criminal and Constitutional laws, arrest/search/seizure/rules of evidence, and mechanics of arrest. Emphasizes civil and criminal liability, individual rights, and natural and cultural resources law and protection. Focuses on courtroom testimony and demeanor and case preparation.

Prerequisite: Extensive background and criminal history check/drug analysis and department chair/committee approval.

PRLEA 244 Park Ranger Law Enforcement Academy (PRLEA) Module 4 (6)

PUBLIC SERVICE AND SOCIAL SCIENCE

Introduction to skills-based defensive tactics, firearms, chemical agents, Taser and emergency vehicle operations course. Covers nomenclature, theories, associated case law, techniques, and practical skills application in the field.

Prerequisite: Extensive background and criminal history check/drug analysis and department chair/committee approval.

PRLEA 245 Park Ranger Law Enforcement Academy (PRLEA) Module 5 (6)

PUBLIC SERVICE AND SOCIAL SCIENCE

Study and application of patrol skills and procedures, investigative techniques, criminalistics, crime scene management, and death investigation. Also covers bombs and explosives ordnance, gangs, domestic violence response, juvenile handling and procedures, environmental crimes awareness, Amber alert development and response, physical security and crime prevention.

Prerequisite: Extensive background and criminal history check/drug analysis and department chair/committee approval.

PSYC& 100 General Psychology (5)

SOCIAL SCIENCES

An overview of the factors affecting behavior including topics related to: theories of learning, the senses, perception, nervous system, emotions, personality theory, motivation, abnormal behavior and therapy, and social psychology.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

PSYC 115 Knowing and Learning (5)

SOCIAL SCIENCES

An exploration through the disciplinary lenses of philosophy and psychology of how we acquire knowledge of the world around us, including an examination of the factors that help or hinder us as we try to learn new things.

Prerequisite: ENGL& 101 with a "C" or higher.

PSYC& 180 Human Sexuality (5)

SOCIAL SCIENCES

The study of human sexuality including anatomy, physiology, intimate and sexual behavior, sexually transmitted diseases, pregnancy and childbirth, birth control, love and relationships, sexual orientations, prostitution, pornography, sex and violence, sexual variations, legal and social issues. Students will examine these issues within cultural and subcultural contexts, and will look at the influences of media and technology.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

PSYC& 200 Lifespan Psychology (5)

SOCIAL SCIENCES

A systematic study of the developmental processes in humans from conception to late adulthood. Special emphasis will be given to the topics of physical development, cognitive development, and personality/social development.

Prerequisite: ENGL& 101 and PSYC& 100 with a "C" or higher.

PSYC 202 Biopsychology (5)

SOCIAL SCIENCES

This course introduces students to the connection between brain activity and thought, behavior, and emotion and uses neuroanatomy, neurophysiology, and neurochemistry as a basis for understanding learning, memory, sex, sleep, addition, language, emotions, and psychological disorders.

Prerequisite: PSYC& 100 with a "C" or higher.

PSYC 205 Social Psychology (5)

SOCIAL SCIENCES

A study of the social aspects of life including theories of: aggression, social influence, attitude change, affiliation, group behavior, prejudice, norms, and prosocial behavior.

Prerequisite: PSYC& 100 with a "C" or higher.

PSYC 210 Learning and Teaching (5)

SOCIAL SCIENCES

A study of the major theories of learning and motivation especially as they relate to humans in an educational setting. The course emphasizes the role of the teacher as a thoughtful and knowledgeable facilitator of learning.

Prerequisite: PSYC& 100 with a "C" or higher.

PSYC& 220 Abnormal Psychology (5)

SOCIAL SCIENCES

Descriptions, symptoms, treatments, theoretical explanations and cultural views of abnormal behavior and the psychological disorders based on the Diagnostic and Statistical Manual of the American Psychiatric Association.

Prerequisite: ENGL& 101 and PSYC& 100 with a "C" or higher.

PSYC 223 Evolutionary Psychology (5)

SOCIAL SCIENCES

This course is designed to introduce students to basic topics, concepts, and theories in the field of evolutionary psychology. We will discuss and analyze how human thought, emotion, behavior, and other psychological phenomenon have been formed and influenced through time and by evolutionary forces. Using an evolutionary psychology framework, we will apply concepts, within the field, to humans. Topics for this course include but are not limited to: The Science of Evolutionary Psychology Sex and Mating Parenting and Kinship Cooperation Aggression/Conflict.

Prerequisite: PSYC& 100 with C or higher.

PSYC 225 Personality (5)

SOCIAL SCIENCES

A study of the theoretical approaches to understanding personality with research presented for evaluating various theories. Exposure to personality assessment techniques and their use.

Prerequisite: PSYC& 100 with a "C" or higher.

8 Course Descriptions

PSYC 295 Psychology Integrative Experience Seminar (2)

SOCIAL SCIENCES

An Integrative Experience emphasizing an interdisciplinary approach to current issues in psychology, including the societal context of psychology and technology, and/or the ethical, political, and cultural aspects of psychology.

Prerequisite: PSYC& 100 with a "C" or higher.

PSYC 299 Learning into Action (1-15)

SOCIAL SCIENCES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: PSYC& 100 with a "C" or higher.

PSYC 412 Leadership and Organizational Behavior (5)

SOCIAL SCIENCES

Examine the characteristics of successful leaders in contemporary workplaces. Analyze how leaders develop their managerial skills and organizational acumen and how such leaders create high performing workplaces. Investigate how successful managers address the impact of bias in the workplace, their own, and that of those around them.

Prerequisite: BASM department chair permission.

QSCI 318 Quantitative Analysis of the Environment (5)

NATURAL SCIENCES

Fundamentals of statistical data analysis in the context of ecology and natural resources management. Encouraging students to think critically and quantitatively about how experiments are designed and data are collected, analyzed, and interpreted.

Prerequisite: MATH& 141 with a grade of "C" or higher; and admission to BASEC or department chair permission.

QSCI 408 Biometry and Ecological Sampling (5)

NATURAL SCIENCES

Building on concepts from QSCI 318, explore the statistical analysis of ecological data, including calculations of population metrics and other ecological parameters.

Prerequisite: Admission to BASEC or Department Chair permission.

READ 090 Phonics (2)

HUMANITIES

Sounds of letters and letter combinations applied to reading and spelling syllables and words.

Prerequisite: None.

READ 096 Reading Foundations (1-5)

HUMANITIES

Instruction and practice in developing basic reading through phonics, vocabulary, and comprehension skills. Course includes individual tutorial and computer-aided instruction. (No computer experience required.)

Prerequisite: None.

READ 097 Reading Improvement (1-5)

HUMANITIES Strengthening of reading skills through comprehension and vocabulary strategies. Course activities include classroom, group process, and occasional computer-aided instruction, with practical applications. (No computer experience necessary.)

Prerequisite: None.

READ 105 College Vocabulary Skills (3)

HUMANITIES

Emphasizes vocabulary-building through advanced use of context clues, roots/affixes, and memory strategies.

Prerequisite: None.

READ 107 Effective College Reading (1-3)

HUMANITIES

For average and better readers to develop strategies to improve comprehension and retention, critical analysis, vocabulary, and reading rate flexibility.

Prerequisite: None.

SOC& 101 Introduction to Sociology: E (5)

SOCIAL SCIENCES

Put on sociological lenses for a new look the social world around you. This course surveys sociological theories, methods, and areas of inquiry. Includes socialization, social institutions, stratification, various social problems, and social change processes. Emphasis is on equitable responses to systems of power and oppression racial, ethnic, gender, class and other identities.

Prerequisite: ENGL& 101 with a C or higher.

SOC 110 Gender and Power:

Introduction to Gender Studies: E (5)

SOCIAL SCIENCES

Examines gender as a social construction, how it manifests intersectionally at individual, community, institutional, and national/global levels, and how it is used to maintain and/or resist inequitable systems of power, privilege, and oppression.

Prerequisite: ENGL 099 with a grade of C or higher OR placement into ENGL& 101.

SOC 112 Comparative Ethnic Relations (5)

SOCIAL SCIENCES

An introductory survey of sociological aspects of minority group situations and relations to the larger society. Provides an in-depth survey of the principal trends in life experiences and histories of the major ethnic communities with emphasis being placed on social economic conditions, political activities, legal positions, and ethnic subcultures of minority groups in the U.S.

Prerequisite: ENGL& 101 with a "C" or higher.

SOC 113 Sociology of Community Service (5)

SOCIAL SCIENCES

Introduction to the service learning model as a basis for contributing to community support. Provides student experience in educational outreach and development of strategies for initiating change in the community.

Prerequisite: None.

8 Course Descriptions

SOC 160 Substance Use and Abuse (5)

SOCIAL SCIENCES

Comprehensive look at drugs, society, and human behavior. The course will examine the various types of drugs (legal and illegal) and their effects on society and the individual.

Prerequisite: None.

SOC 191 Psychosocial Issues in Healthcare (5)

SOCIAL SCIENCES

Explores aspects of psychosocial issues in healthcare. Explores societal, cultural and personal attitudes as they impact access to mental health and medical care. Examines healthcare disparities for individuals with mental illness. Explores legal, ethical and safety issues regarding rights of the individual and the community. Applies the nursing process to the care of individuals from wellness to acute and chronic mental illness. Includes substance abuse, disorders of anxiety, mood, bipolar, eating and thought along with related disorders across the lifespan. Identifies treatment approaches, including communication, collaboration and advocacy, by applying knowledge from psychology and related fields. Incorporates concepts of context and environment, knowledge and science, personal and professional development, quality and safety, relationship-centered care and teamwork.

Prerequisite: NURS 181, 182 with a grade 2.7 (B-) or higher and concurrent enrollment in NURS 191, 192.

SOC& 201 Social Problems (5)

SOCIAL SCIENCES

A survey of the major contemporary social problems including crime, violence, drug dependency, mental illness, racism, poverty, inequality, breakdowns in the family, education, and quality of life, and the impact of technology. A variety of sociological perspectives and social policies on social problems are reviewed as well as research methods used in analyzing current social problems.

Prerequisite: ENGL& 101 with a "C" or higher.

SOC 204 Introduction to Stratification and Inequality in America: E (5)

SOCIAL SCIENCES

Examines the causes and consequences of inequality and social stratification in the United States. The course materials will invite you to think critically about how systems of power and privilege operate with respect to race, gender, sexual orientation, class, disability and age, why valuable resources like income, wealth, health, education and wellbeing are unequally distributed in the United States, and how this inequality is produced and reproduced through the structure of opportunities, differential life chances and social mobility.

Prerequisite: ENGL& 101 with a "C" or higher.

SOC 206 Sociology of the Family (5)

SOCIAL SCIENCES

This course will study the nature of the family as a social, cultural, political, and economic institution. It will include perspectives on the changing structure of the family, socialization, sexual expressions, marital communication patterns, divorce patterns, employment, and family relationships, violence in the family, and family health related issues.

Prerequisite: ENGL& 101 with a "C" or higher.

SOC 295 Sociology Integrative Experience Seminar (2)

SOCIAL SCIENCES

An Integrative Experience emphasizing an interdisciplinary approach to current issues in sociology, including the societal context of sociology and technology, and/or the ethical, political, and cultural aspects of sociology.

Prerequisite: None.

SOC 299 Learning Into Action (1-15)

SOCIAL SCIENCES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

SOC 420 Social Capital and the Manager (5)

SOCIAL SCIENCES

Examine the social capital constructs that the manager is (implicitly) expected to navigate. Investigate the relationships between social capital and power and workplace equity initiatives. Also examine the ways in which bias impacts social capital and the role that technology plays in the development of social capital.

Prerequisite: BASM department chair permission.

SOSC 100 Global Issues/Social Science (5)

SOCIAL SCIENCES

Contemporary global issues such as population, food, energy, human rights, military arms and security, and environment.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

SOSC 111 Adults in Transition (1-3)

SOCIAL SCIENCES

Assist individuals in developing self-confidence, exploring educational and career options, developing skills in time management, setting goals, making decisions, and becoming aware of resources.

Prerequisite: None.

SOSC 113 Job Search (1)

SOCIAL SCIENCES

Through lecture, small group discussion, and homework assignments, students will develop skills in job search techniques such as identifying common job information sources, conducting effective interviews for information and for hire, completing applications and developing resumes. Students will learn that job search is really an information search and involves the use of investigation, strategizing, and problem-solving skills. Due to the requirements and intended benefits of this course, it is strongly recommended that it be taken toward the end of one's certificate or degree program. Consult with your program advisor if your circumstances warrant taking it early in your training.

Prerequisite: None.

8 Course Descriptions

SOSC 120 Co-op Education Seminar (1)

SOCIAL SCIENCES

The Co-op Seminar is a required course for all students in field placements. The seminar will offer a forum for exchanging information about experiences, enhance problem solving skills, and further develop communication skills through small group discussions and oral reporting.

Prerequisite: None.

SOSC 125 Employer/Employee Roles and Perspectives (2)

SOCIAL SCIENCES

Examination of the employer/employee relationship. Topics include characteristics of work maturity, diversity, leadership, team work and working styles, organizational structure and decision-making, setting work goals and priorities.

Prerequisite: None.

SOSC 130 Leadership (2)

SOCIAL SCIENCES

This course is designed for students who are interested in student leadership and how they can expand their knowledge in the following areas of: leadership theories, communication skills, integrity and ethical values, and improve their leadership skills.

Prerequisite: None.

SOSC 131 College Governance (1)

SOCIAL SCIENCES

Learning about group dynamics while participating in the Associated Students of Skagit Valley College governance process.

Prerequisite: open to Student Government participants only.

SOSC 132 Student Leadership Seminar (1-2)

SOCIAL SCIENCES

Designed to provide student leaders with the tools, techniques, processes, and skills for leadership that will help them succeed. Specific sections of this course may be offered to target groups such as multicultural students or women students.

Prerequisite: None.

SOSC 190 Social History of Work (1-3)

SOCIAL SCIENCES

This course traces the historical roots of work, working conditions and attitudes towards work, as well as the impact of all these on individuals, families and groups in society, including women, children and ethnic groups.

Prerequisite: ENGL 099 with a "C" or higher (or placement into ENGL& 101).

SOSC 299 Learning Into Action (1-15)

SOCIAL SCIENCES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

SOSC 304 Counternarratives of Northwest History: Since Time Immemorial (5)

SOCIAL SCIENCES

Learn about the rich tapestry of Washington State's history through the lens of Native people and Nations, cultural diversity, educational policy, and social dynamics. Delve into the unique experience of non-dominant groups and English language learners, including immigrants, migrants, and U.S.-born individuals in the context of Washington State. Through a comprehensive study of historical events, legislation, and social structures, gain a deeper understanding of the multifaceted history of the Pacific Northwest and its impact on educational practices and policies.

Prerequisite: Admission to BASECE program.

SPAN 111 Spanish for Health Care Professionals I (5)

HUMANITIES

A brief course in spoken Spanish for health care professionals. The primary emphasis will be on speaking and listening skills. Students will learn to converse and ask questions related to health care in the simple present tense and in the near future. They will also become acquainted with customs and cultural issues related to the Hispanic population and health care.

Prerequisite: None.

SPAN 112 Spanish for Health Care Professionals II (5)

HUMANITIES

A brief course in spoken Spanish for health care professionals. The primary emphasis will be on speaking and listening skills. Students will learn to converse and ask questions related to health care in the past tense. They will also become acquainted with customs and cultural issues related to the Hispanic population and health care.

Prerequisite: SPAN 111 with a "D" or higher.

SPAN& 121 Spanish I (5)

HUMANITIES

A proficiency-based course in Spanish, which includes pronunciation, fundamentals of grammar, syntax, oral and written exercises, reading and conversation; taught with varied foreign language teaching methods. An appreciation for cultural aspects of Spanish speaking countries is emphasized. Oral practice is encouraged. For students who have not previously studied Spanish or for those who need a refresher course.

Prerequisite: Grade of 2.0 or higher in ENGL 097, or AESL 098, or appropriate test score.

SPAN& 122 Spanish II (5)

HUMANITIES

A continuation of Spanish 121. The vocabulary and grammatical structures are more complicated, and the student begins to master a past tense. Oral comprehension and speaking skills are emphasized through daily practice, as well as the reading and writing exercises. The textbook, workbook, and lab manuals are the same as in Spanish 121.

Prerequisite: SPAN& 121 with a "C" or higher or one year of high school Spanish with a "C" or higher.

8 Course Descriptions

SPAN& 123 Spanish III (5)

HUMANITIES

A continuation of Spanish 122. The grammar is more complicated, and more verb tenses are introduced. Oral comprehension and speaking skills are still emphasized through daily oral practice, as well as reading and writing exercises. The textbook, workbook, and lab manuals are the same as Spanish 121 and 122.

Prerequisite: SPAN& 122 with a "C" or higher or two years of high school Spanish with a "C" or higher.

SPAN& 221 Spanish IV (5)

HUMANITIES

A communication course in beginning intermediate Spanish. Increases proficiency through review and expansion of skills, grammar, and cultural foundation of the language. Emphasizes oral communication.

Prerequisite: SPAN& 123 with a "C" or higher or three years of high school Spanish with a "C" or higher.

SPAN& 222 Spanish V (5)

HUMANITIES

Continuation of Spanish 221 with emphasis on understanding and responding orally, sustaining a complex conversation, reading intermediate level Spanish, and constructing grammatically correct sentences.

Prerequisite: SPAN& 221 with a "C" or higher or instructor permission.

SPAN& 223 Spanish VI (5)

HUMANITIES

Continuation of Spanish 222 with emphasis on expanded vocabulary, continuing practice with all grammatical tenses and structures, continuing complexity of reading and conversation, and understanding of Spanish culture in general.

Prerequisite: SPAN& 222 with a "C" or higher or instructor permission.

SPAN 299 Learning into Action (1-15)

HUMANITIES

Student develops and completes curriculum-related independent project which demonstrates skills and abilities and explores career options. May include, but is not limited to, service learning, original research, and travel abroad. Faculty sponsor approval required. Students with 45 transferable college credits are eligible to begin Learning into Action.

Prerequisite: None.

SPAN 301 Spanish Composition (5)

HUMANITIES

Study of fundamental writing skills and varied writing strategies leading to the planning, organizing, writing, and revising of academic essays in Spanish.

Prerequisite: Department chair permission and ability to speak Spanish.

TAGA 100 Introduction to Tagalog Language (3)

AREAS OF STUDY

Introduction to the Tagalog language with emphasis on speaking, listening and comprehension of the spoken word.

Prerequisite: None.

WMATH 100 Professional Technical Applied Math (5)

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

This course is non-transferable and for professional/technical students only. Basic mathematics used in several occupational clusters. Estimation, effective calculator usage and practical problem solving techniques explored. Opportunities for variable student pacing may be provided.

Prerequisite: MATH 096 with a C or higher (or placement into MATH 097/WMATH 100).

WT 111 Introduction to Shielded Metal Arc Welding (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Basic Shielded Metal Arc Welding (SMAW) theory of operation and safety requirements. Covers SMAW electrode selection based on the AWS electrode classification system and includes an introduction to hands-on welding techniques in the shop setting.

Prerequisite: CSS 103 with a "D" or higher or concurrent enrollment.

WT 112 Introduction to Wirefeed Welding (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Basic Wirefeed Welding theory of operation and safety requirements. Covers Gas Metal Arc Welding (GMAW) and Flux Cored Arc Welding (FCAW) processes, shielding gas selection, and electrode selection based on the AWS electrode classification system. Safety procedures are also covered. Includes an introduction to hands-on welding techniques in the shop setting.

Prerequisite: WT 111, WT 114, and WT 211 with a "D" or higher.

WT 113 Introduction to Inert Gas and Aluminum Welding (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Basic inert gas welding theory of operation and safety requirements. Introduction to Gas Metal Arc Welding (GMAW) and Gas Tungsten Arc Welding (GTAW) processes and electrode selection based on the AWS electrode classification system. Includes an introduction to hands-on welding techniques in the shop setting.

Prerequisite: WT 111, WT 114, and WT 211 with a "D" or higher.

WT 114 Thermal Cutting Processes (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to the plasma arc and oxy-fuel cutting processes. Covers process safety and theory of operation. Course includes an introduction to hands-on thermal cutting techniques in the shop setting.

Prerequisite: CSS 103 with a "D" or higher or concurrent enrollment.

WT 116 Introduction to Welding Metallurgy (5)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Metallurgical theory as it applies to the welding of ferrous and nonferrous metals. Covers properties of metals, melting and solidification, phase changes, weld bead chemistry, and heat affected zones. Effects of alloying elements and heat treatments will be investigated along with welding-induced distortion and methods for distortion control.

Prerequisite: WT 112 and WT 221 with a "D" or higher. WMATH 100 with a "D" or higher or concurrent enrollment.

8 Course Descriptions

WT 117 Hand and Power Tools (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to the safe and proper use of hand and power tools commonly used in the welding and fabrication trades. Covers set-up, operation, trouble-shooting, and maintenance of saws, grinders, drill press, roller, sheet metal brake, and planer.

Prerequisite: WT 111, 114, and 211.

WT 118 Welding Joint Design and Welding Symbols (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to the five basic Weld Joint Designs. Focuses on selecting the most appropriate joint design for a welding job. Also focuses on recognizing, reading and understanding Welding Symbols which let the welder know exactly what is needed.

Prerequisite: WT 111, WT 114, and WT 211 with a "D" or higher.

WT 131 Shielded Metal Arc Welding for Beginners (2)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to Shielded Metal Arc Welding (SMAW). Welding of structural steel plate in the flat position using E6010 and E7018 electrodes with emphasis on shop safety.

Prerequisite: None.

WT 133 Oxy-Fuel Processes for Beginners (2)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to oxy-fuel cutting and welding. Welding of structural steel plate in the flat position with emphasis on shop safety. Also covers air-carbon arc gouging.

Prerequisite: None.

WT 140 Print Reading for Welding (3)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to the fundamentals of blueprint reading emphasizing industrial drawings commonly used in Welding Technology. Review symbol conventions and visualization of solid objects from orthographic and isometric projections, the interpretation of technical drawings, and the skills required in print reading applying basic ASME standard techniques, as a form of communication. Students read, interpret and sketch drawings.

Prerequisite: WT 111 and WT 112 with a "D" or higher.

WT 199 Cooperative Education Experience (1-15)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Supervised work experience in the field. Includes a weekly seminar.

Prerequisite: Instructor permission required.

WT 200 Weld Skill Upgrading (1-16)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Skill upgrading in the areas of stick, wire, or tig welding. Course content to be arranged with instructor prior to registration.

Prerequisite: department chair permission.

WT 211 Intermediate Shielded Metal Arc Welding (9)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Fillet welds on carbon steel using the SMAW process in the flat, horizontal, vertical and overhead positions. Introduction and/or review of shop safety, metal cutting, fitting, and gouging procedures.

Prerequisite: CSS 103 with a "D" or higher or concurrent enrollment.

WT 212 Intermediate Wirefeed Welding (9)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Fillet welds on carbon steel using the semi-automatic wirefeed FCAW and GMAW processes in the flat, horizontal, vertical and overhead positions. Introduction and/or review of shop safety, metal cutting, fitting, and gouging procedures.

Prerequisite: WT 112, WT 140, and WT 221 with a "D" or higher.

WT 213 Intermediate Inert Gas and Aluminum Welding (9)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Fillet welds on aluminum and steel using GTAW and GMAW inert gas processes in the flat, horizontal, vertical and overhead positions. Introduction and/or review of shop safety, metal cutting, fitting, and gouging procedures.

Prerequisite: WT 212 with a "D" or higher.

WT 221 Shielded Metal Arc Welding Applications and Certification (9)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Shield Metal Arc Welding (SMAW) certification and application. Covers all-position groove welding and general fabrication using the SMAW process. Covers techniques for passing a standard AWS welder qualification test. Includes trade math, blueprint reading, and layout techniques.

Prerequisite: WT 111, WT 114, and WT 211 with a "D" or higher.

WT 222 Wirefeed Welding Applications and Certification (9)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

All-position groove welding and general fabrication using wirefeed processes. Covers techniques for passing a standard AWS welder qualification test. Includes trade math, blueprint reading, and layout techniques.

Prerequisite: WT 221 with a "D" or higher.

WT 223 Inert Gas and Aluminum Welding Applications and Certification (9)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Gas Metal (GMAW) and Gas Tungsten Arc Welding (GTAW) certification and application. All-position groove welding and general fabrication of steel and aluminum using the GMAW and GTAW processes. Covers techniques for passing standard AWS welder qualification test. Includes trade math, blueprint reading, and layout techniques.

Prerequisite: WT 222 with a "D" or higher.

WT 231 Gas Metal Arc Welding for Beginners (2)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Introduction to gas metal arc (MIG) welding. Welding of structural steel plate in the flat position with emphasis on shop safety.

Prerequisite: None.

WT 234 Welding Skill Building (2)

INDUSTRIAL TECHNOLOGY AND TRANSPORTATION

Skill upgrading in the areas of stick, wire, or tig welding for experienced welders. Course content to be arranged with instructor.

Prerequisite: None.

8 Course Descriptions

Student Life

Join in extracurricular activities with the Student Life team and Program Board.

skagit.edu/studentlife

Become a Leader

Develop your leadership skills by getting involved with the Associated Students of Skagit Valley College.

skagit.edu/assvc

Join a Club

Get involved and meet new people! SVC has more than 35 student clubs. New members are welcome.

skagit.edu/clubs

Cardinal Athletics

You are invited to be part of the Cardinal tradition on the court and in the field as a student athlete or in the stands in our Fan Zone. SVC is a proud member of the Northwest Athletic Conference.

GO Cardinals!

athletics.skagit.edu

GET involved



Participate, express yourself, and have fun! Whether through Cardinal athletics, student government, or a club, you can enrich your college experience. There is so much to do on campus and beyond.

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Athletics

Phone: 360.416.7765

Skagit Valley College’s intercollegiate athletic program provides students with the opportunity to participate in athletic competition. Students have the opportunity to enjoy the challenge of physical competition and to learn cooperation, self-awareness, and self-confidence.

SVC is a member of the Northwest Athletic Association for Community Colleges (NWAC) and is represented by men’s teams in basketball, tennis, baseball, golf, and soccer, and by women’s teams in basketball, soccer, tennis, softball, volleyball, and golf.

Athletic scholarships are available for all varsity sports under the guidelines of the NWAC. Check out the Athletics web page (www.athletics.skagit.edu) for more information.

Fine and Performing Arts

Student Programs offers you a variety of opportunities to become involved outside of the classroom. Participation in these activities is an important part of your life as a student here at SVC. SVC sponsors a variety of music, theater, and visual art events and productions. Frequent concerts, musicals, and recitals enrich campus life and give students performance experience. Guest artists also visit and perform regularly.

The Art Gallery is located in the Gary Knutzen Cardinal Center at SVC’s Mount Vernon Campus. It is dedicated to the exhibition of contemporary work in all media by emerging and established artists. SVC’s Art Gallery supports and promotes visual culture to enhance creativity and community dialogue by serving as a conduit for expression through the visual arts. An active play production program under the direction of the Drama department provides opportunities for students to participate in every phase of production, including acting, directing, and designing. The Phillip Tarro Theatre is a versatile 200-seat theater. Larger performances are held in McIntyre Hall, our 650-seat theatre equipped with the finest quality professional sound and lighting equipment.

Cardinal Bookstore

Phone: 360.416.7601

The Cardinal Bookstore is located in the Cardinal Center on the Mount Vernon campus. The bookstore stocks a wide variety of items, including required and optional course textbooks - both new and used - and course materials, as well as course supplies, uniforms, Skagit Valley College insignia items and school supplies.

The bookstore website www.cardinalbookstore.com can be used to purchase textbooks as well as to look up textbook information and pricing. These services can also be accessed through the online registration process.

Online textbook orders can be picked up at the Mount Vernon campus Bookstore, or can be delivered via United Parcel Service (UPS) for a nominal fee. Pre-paid orders can also be picked up at the Whidbey Island campus Library at no additional charge by special arrangement. Please contact the Bookstore at the number above for details.

Store hours of operation are posted on the bookstore website.

Clubs and Organizations

Mount Vernon: 360.416.7611
Whidbey Island: 360.679.5303

Involvement in a student club or organization may be one of the most rewarding and educational experiences you have while attending SVC. Clubs and organizations provide meaningful and fun experiences that will build your resumé and enhance your leadership skills and your connections with other students, faculty, and staff. Student clubs and organizations provide an environment where students can build and cultivate friendships, find common interests, help the community, and engage in planning, organizing, and implementing programming initiatives.

All clubs and student organizations must function under the sanction of the Associated Students of Skagit Valley College (ASSVC) and are chartered by the ASSVC. A current list of SVC’s active clubs and student organizations is available on the Center for Student Leadership, Involvement, and Community canvas page. For more information, visit the **Clubs and Programs** page on the SVC website.

You can also visit **Cardinal Connect** for more information regarding events, clubs, and programs happening at SVC.

Student Food Pantry

Mount Vernon: 360.416.7923
Whidbey Island: 360.679.5303

Student Life Office, C-190A, Knutzen Cardinal Center, Mount Vernon Campus; 116 Old Main, Whidbey Island Campus

Housed in the Cardinal Center on the Mount Vernon and in Student Life on the Whidbey Island campus is a food pantry that

9 Student Life

provides for SVC students experiencing food insecurity. SVC students can visit once per day and take up to six items each visit. If students need additional support, they can email Melissa Kristoffersen at melissa.kristoffersen@skagit.edu or visit the **Student Basic Needs Resources** page on the SVC website.

Research and Assessment

The fundamental mission of the Institutional Research (IR) Office is to provide central information and analytical support for college planning, management, and assessment activities to help SVC fulfill its mission. In this capacity, IR assumes primary responsibility for analyzing and interpreting data about the performance of the college; analyzing and interpreting data about the environment of the college; transforming data into information that supports college planning, policy making, decision making, and assessment; and communicating institutional information to the college community.

The IR Office also conducts studies and gathers information for specific ad hoc analysis. Ad hoc information is prepared for institutional questionnaires, specialized accreditation reviews, and decision support.

USE THE FOLLOWING LINKS TO ACCESS OUR SURVEYS:

- SVC Research and Surveys – Institutional Research:
www.skagit.edu/institutional-planning-student-success/
- Board of Trustees Assessments and Reports:
www.skagit.edu/leadership/trustees
- Learning Outcomes Assessment – Institutional Research:
www.skagit.edu/institutional-planning-student-success/

KSVR 91.7 FM/KSVU 90.1 FM Radio

Phone: 360.416.7711

KSVR-91.7 FM is a combination of student- operated and community-operated, non-commercial, educational, community/campus radio station. The mission of the station is to provide informational public service to the community and opportunities for locally-produced programs including news and music. KSVR presents a diverse format, including English and Spanish languages. If you would like experience with radio as a career, public service, or recreational activity, contact any station representative in Reeves Hall.

Recreation

Phone: 360.416.7765

As an SVC student, you will have a variety of athletic events in which to participate and numerous opportunities to enjoy watching college games. The Dave DuVall Pavilion on the Mount Vernon campus hosts intercollegiate basketball and volleyball, and is used for PE courses and many other activities. Soccer, baseball, and tennis are among the other sports in which SVC fields competitive teams. Facilities are also available for student recreational use, including covered tennis courts, a fitness center, playing fields, and running/walking trails.

On the Whidbey Island campus, a fitness center is available to students. There is a modest quarterly fee to use the fitness centers at both campuses.

Regional Culture

SVC is located in three counties of northwest Washington. Skagit County stretches from the high peaks of the Cascade mountain range to the edge of Puget Sound. Island and San Juan counties are comprised of islands surrounded by the beautiful waters of Puget Sound. The region has a strong farming tradition, including production of tulips for cut flowers and bulbs.

The Mount Vernon and Whidbey Island campuses are served by bus service, giving frequent transportation to neighboring towns and commercial centers.

One hour south is Seattle, a diverse, beautiful, and cosmopolitan city with a metropolitan area of 3.3 million people. It is often listed among the most desirable cities in America. Vancouver, B.C. is a 90-minute drive to the north. Its metropolitan area has a population of 2.1 million people from nations all over the world. Both Seattle and Vancouver have a rich array of cultural offerings.

Student Government and Program Board

Mount Vernon: 360.416.7611
Whidbey Island: 360.679.5303
Email: studentlife@skagit.edu

The Associated Students of Skagit Valley College (ASSVC) represents you as a student of the college. You are a member of ASSVC if you are a student enrolled in classes. Through the ASSVC and its legislative body, students govern themselves, share in policy-making within the administrative structure of the college, and organize programs and events. Students may participate with faculty, staff, and administrators in determining college policy by serving on college governance committees. ASSVC participation requires an average of ten (10) hours of work per week. Members who are selected to the ASSVC earn a quarterly scholarship.

Involvement in ASSVC and the Program Board provide opportunities for students to learn about campus wide and state initiatives regarding higher education and helps students understand the democratic decision-making process. Students who hold these positions are exposed to experiences that help fine-tune their leadership skills. For more information regarding these leadership positions, please contact the Student Life Office.

Student Newspaper

Phone: 360.679.5303

At the Whidbey Island campus, the Journalism Club provides monthly newsletters and papers to their college peers. They interview students, faculty, and staff on campus concerns. They also inform students of local, national, and global issues so that students are up-to-date with the news. This is done through club volunteer work service. If interested in participating please contact the Student Life Office at the Whidbey Island campus.

10 Student Rights and Responsibilities

Student Information

INFORMATION	RESOURCE	WHERE TO FIND
SVC graduation and transfer-out rates	SVC Graduation Report	Enrollment Services: 360.416.7700
SVC's Drug and Alcohol Awareness Program	Report	Student Life Office: 360.416.7611
Family Educational Rights and Privacy Act	"Your Rights Under FERPA"	Enrollment Services: 360.416.7700
Campus Security Report and Crime Statistics	Campus Security Report	Security Office: 360.416.7934
Completion and transfer-out rates for athletes	Athletics Completion Report	Athletics Office: 360.416.7765
Gender equity in athletics at SVC	Equity in Athletics Report	Athletics Office: 360.416.7765
Voter registration	Information and Forms	Enrollment Services: 360.416.7700
Emergency Information	Emergency Preparedness Plan	Emergency Information webpage: skagit.edu/security-services//emergency-preparedness/

Children on Campus

SVC allows high school students on campus for instruction and other learning activities, but children are generally not permitted on campus unless they are directly supervised by a parent or responsible adult who is officially enrolled in classes or directly involved in an instructional process. In no case, even if accompanied by a parent or other adult, are children permitted in classrooms, labs, shops, or any area where potential hazards exist, with the exception of children directly involved in the instructional process (for example, Even Start, Kids College).

Individuals who bring children to campus are responsible for their supervision at all times; leaving children unattended in public areas such as the Student Lounge or Cafeteria does not meet this supervision standard. SVC officials will contact parents or other parties responsible for children left unattended on campus, and inform them that children must be properly supervised while on campus. Individuals who bring children to campus and refuse to abide by these guidelines will be referred to security or college officials and are subject to student discipline.

Comprehensive Veterans Education Information Policy

SVC does not and will not provide any commission, bonus, or other incentive payment based directly or indirectly on success in securing enrollment or financial aid to any persons or entities engaged in any student recruiting or admissions activities or in making decisions regarding the award of student financial assistance.

Drug Free Workplace Policy

In accordance with the Federal Drug Free Workplace Act of 1988, Skagit Valley College strives to create a safe and secure learning environment. Employees are expected and required to report to work in an appropriate mental and physical condition to perform their assigned duties. Skagit Valley College's Drug-Free Workplace Policy: www.skagit.edu/policies/3010.html.

Equal Opportunity and Title IX

Phone: 360.416.7923
Email: titleix@skagit.edu

Community College District #4 provides equal opportunity and does not discriminate on the basis of age, sex, race, ethnicity, or disability in the educational programs and activities which it provides. All employees, vendors, and organizations with which the college does business are required to comply with all applicable federal and state statutes and regulations designed to promote equal opportunity.

Skagit Valley College offers bachelor's degrees, academic transfer degrees, workforce education degrees and certificates, basic education for adults, and lifelong learning opportunities. SVC is committed to equity as its framework in providing access, supporting achievement, and strengthening the community.

It is the policy of SVC to provide a working and learning environment free from discrimination, harassment, and retaliation. SVC provides a drug-free environment and does not discriminate on the basis of race, color, creed, religion, national origin, sex, sexual orientation, and/or gender identity, pregnancy, genetic information, age, marital status, disability, honorably discharged veteran or military status in its programs and employment.

10 Student Rights and Responsibilities

This policy also prohibits retaliation as a result of an individual filing a report of discrimination or harassment or participating in an investigation of a claim of discrimination or harassment.

This policy applies to all programs and facilities, including, but not limited to, admissions, educational programs, and employment. SVC complies with all Washington State anti-discrimination laws (Chapter 49.60 RCW) and the following federal laws relating to equal opportunity: Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990.

SVC has an open admission policy. Students must apply for admission and register for credit-bearing classes. SVC is committed to providing access, equal opportunity and reasonable accommodation in its services, programs, activities, education, and employment for individuals with disabilities. SVC will take steps to ensure that the lack of English language skills will not be a barrier to admission and participation in all educational programs.

Coordination of the compliance efforts of SVC with respect to equal opportunity and disability accommodation regulations is under the direction of Carolyn Tucker, Vice President of Human Resources/EEO, at 360.416.7794 or carolyn.tucker@skagit.edu, 2405 E. College Way, Mount Vernon, WA 98273, for non-discrimination, equal opportunity, affirmative action, or the American with Disabilities Act policies.

SVC and the Disability Access Services (DAS) office are committed to ensuring equal access to all programs, services, and activities for people with disabilities. SVC and DAS are dedicated to working with students, staff, faculty, and community members in developing and implementing the most appropriate strategies and reasonable accommodations for an equitable experience while maintaining the academic standards and integrity of the mission of the college. If you need disability accommodation at an SVC event, please contact Disability Access Services at das@skagit.edu, or visit Lewis Hall, room 114, on the Mount Vernon campus.

The following person is the designated Title IX Coordinator: Sandy Jordan, Title IX Coordinator, at 360.416.7923, or sandy.jordan@skagit.edu; or titleix@skagit.edu, 2405 E. College Way, Mount Vernon, WA 98273, for Title IX/504 compliance.

Family Educational Rights and Privacy Act (FERPA)

Under the Family Educational Rights and Privacy Act, students have the right to:

- Inspect all of their educational records.
- Request that their records be amended.
- Privacy of their records (with very few exceptions)
- Have information released upon request

Under the Family and Educational Rights and Privacy Act and **Skagit Valley College policy**, the following information is listed as Directory Information and is not confidential:

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

Students may request that their directory information be withheld from disclosure by updating their privacy settings in ctcLink or by contacting the Registrar.

Students who would like to release FERPA-protected information to a third party must submit an Information Release Form with the third party named and the information to be released specified. A non-SVC information release form may be used if it includes the required information. Third parties include parents and guardians of underage students.

Please visit our FERPA web page (skagit.edu/information-for-parents/ferpa/) or the **U.S. Department of Education** website for more detailed information.

Inter-College Transfer and Articulation Among Washington Public Colleges and Universities

STUDENT RIGHTS AND RESPONSIBILITIES

1. Non-Discrimination Policy

All the colleges and universities in Washington maintain a policy of not discriminating against students because of their age, sex, race, color, religion, disability, national origin, marital status, sexual orientation, pregnancy, veteran's status, familial relationship, expunged juvenile record, association with anyone of a particular race, color, sex, national origin, marital status, age, or religion, as published in official institutional bulletins.

2. Information Dissemination and Acquisition

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

REVIEW AND APPEAL

1. Student Appeals

Students who encounter transfer difficulties should first seek resolution through the receiving institution's transfer officer. If not resolved at this level, the student may appeal in writing to the transfer officer of the sending institution. The transfer officers will confer and attempt to resolve the problem. In the

10 Student Rights and Responsibilities

event the transfer officers cannot resolve the issue within two weeks, the matter will be referred to the two chief academic/instructional officers for resolution. Within two weeks after the academic officers have conferred, a decision will be rendered by the chief academic office of the receiving institution.

2. Inter-Institutional Disputes

In the event of inter-institutional transfer disagreements, it is the responsibility of the two transfer officers to resolve the dispute wherever possible. If not resolved at this level within two weeks, the two transfer officers will refer the matter to the two chief academic/instructional officers for resolution. Unresolved inter-institutional transfer disputes will be referred for review and recommendation to a committee composed of three representatives appointed by the Washington Association of Community College Presidents and three representatives of the Inter-institutional Committee for Academic Officers of the state's public four-year institutions. A report to the two institutions will be rendered when this committee has completed its deliberations. The chief academic officers of the affected institutions will respond in a formal report to the committee within four weeks indicating actions to be taken in response to committee recommendations.

IMPLEMENTATION AND REVISION OF POLICY

This policy will be implemented and maintained through the cooperative efforts of State institutions of higher education, the State Board for Community College Education, and the Higher Education Coordinating Board.

List of One-Year Transfer Courses– “Washington 45”

This agreement is not intended to replace the Direct Transfer Agreement, Associate of Science Tracks I and II, or any Major Related Program agreement, nor will it guarantee admission to a four-year institution.

A student who completes courses within designated areas listed below at a public community or technical college or four-year college in Washington State will be able to transfer and apply a maximum of 45 quarter credits toward general education requirement(s) at any other public and most private higher education institutions in the state*.

For transfer purposes, a student must have a minimum grade of C or better (2.0 or above) in each course completed from this list.

Students who transfer “Washington 45” courses must still meet a receiving institution's admission requirements and eventually satisfy all their general education requirements and their degree requirements in major, minor and professional programs.

First-Year Transfer List of General Education Courses

- Communications (5 credits) – ENGL& 101, ENGL& 102
- Quantitative and Symbolic Reasoning (5 credits) – MATH& 107, MATH& 148 or MATH& 151

- Humanities (10 credits in two different subject areas**) PHIL& 101, MUSC& 105, DRMA& 101, or HUM& 101
- For colleges that use History as a Humanities: HIST& 116, HIST& 117, HIST& 118, HIST& 146, HIST& 147, HIST& 148
- Social Science (10 credits in two different subject areas) – PSYC& 100, SOC& 101:E, POLS& 101, POLS& 202
- For colleges that use History as a Social Science: HIST& 116, HIST& 117, HIST& 118, HIST& 146, HIST& 147, HIST& 148
- Natural Sciences (10 credits in two different subject areas) – ASTR& 100, ASTR& 101 w/lab, BIOL& 100, BIOL& 160 w/lab, CHEM& 105, CHEM& 110 w/lab, CHEM& 121 with lab, CHEM& 161 with lab, CHEM& 162, with lab ENV& 101, GEOL& 101 w/lab
- An additional 5 credits in a different subject area can be taken from any category listed above to bring total to 45 credits.

Note: *Although these courses are listed under categories, the actual course may satisfy a different general education category at a receiving institution.*

** Many private non-profit colleges and universities have distinct general education requirements, therefore, students should check with institution(s) they plan to attend regarding application of transfer credits that will meet general education requirements.*

*** Disciplines are sometimes called subject or subject matter areas and designated by a prefix (for example, PHIL for Philosophy and POLS for Political Science).*

Notification of Title IV Student Complaint Process

The Higher Education Act (HEA) prohibits an institution of higher education from engaging in a “substantial misrepresentation of the nature of its educational program, its financial charges, or the employability of its graduates.” 20 U.S.C. §1094(c)(3)(A). Further, each State must have “a process to review and appropriately act on complaints concerning the institution, including enforcing applicable State laws.” 34 C.F.R. § 600.9. The Washington State Board for Community and Technical Colleges (SBCTC) maintains a process to investigate complaints of this nature brought by community and technical college students in the State of Washington. For information, contact SBCTC Student Services, PO Box 42495, Olympia, WA 98504-2495, call 360.704.4315, or visit sbctc.edu.

To submit a student complaint, please create an account through the **SBCTC Consumer Protection Title IV Student Complaint Portal**.

Security Services at SVC

STUDENT PARKING

Parking on the Mount Vernon Campus is available on a “first come, first served” basis, in parking lots designated as student spaces with a student parking permit sticker. Student parking permits are available at the Security Office at no additional cost. Maps are available on the SVC website, at the information

10 Student Rights and Responsibilities

desk in Lewis Hall, or the Security Services Department in the lobby of the Gary Knutzen Cardinal Center building.

SVC Security is tasked with enforcing parking and traffic rules on campus. Ticketing is a tool used to modify unwanted parking behavior and not for generating revenue. Two parking violations that will consistently receive enforcement focus are violations of Visitor and violations of Staff parking space restrictions. Fine-based ticketing for parking violations begins the second week of each quarter. Parking permits are not required for parking on the Whidbey Island campus.

For more parking information, visit our Security Services page at <https://www.skagit.edu/security-services/parking>.

EMERGENCY NOTIFICATION SYSTEM

SVC uses RAVE as our Emergency Notification System (ENS). RAVE is used to communicate with students and employees in the event of a college emergency, weather-related delay, or closure of a campus. The RAVE Alert system can send email and text message notifications directly to your mobile phone. You can learn more about the RAVE alert system and how to sign up for additional notifications by visiting www.getrave.com.

In addition to RAVE, our three main campuses are equipped with Alertus beacons, sirens, and outdoor speakers. These carry the messages sent out via RAVE. SVC's main web page, Facebook, and X also provide the ENS messaging.

Emergency Notification System messaging is a foundation of SVC's emergency preparedness. SVC also maintains its All Hands Emergency Response Plan that provides information and actions meant to minimize the negative impact of an emergency on students, employees, visitors, and facilities. We recognize that the key in any emergency situation is quick and accurate communication to all concerned.

ANNUAL SECURITY REPORTS

SVC complies with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act of 1998. The College's Annual Security Report and Campus View Village Fire Report are available online: skagit.edu/about/security-services/safety-security-reports-manuals/

INCIDENT REPORTING

SVC uses Incident Report Forms to receive, track, and record violations of college and campus rules, policies, and procedures. Reporting options can be found at skagit.edu/incident-reporting/.

SECURITY OFFICES

SVC has Campus Security Officers (CSOs) on duty at both Mount Vernon and Whidbey Island campuses as follows:

- Mount Vernon campus (24 hours)–
Cardinal Center Room 110, 360.416.7777
- Whidbey Island campus (7 a.m.-10 p.m.)–
Hayes Hall Room 113, 360.679.5383.

Placement Reciprocity Agreement Policy

For all entering students at any Washington community and technical college, system policy provides that:

- A student who qualifies for a specific level of pre-college math, English, or reading, either through course completion or local skills assessment, will have that course placement level honored at another Washington CTC if the student so requests, even if the courses may not be exact equivalents.
- A student who qualifies for entry into college-level math, English, or reading, either through course completion or local skills assessment, will be considered to have met the entry college-level standard at every community and technical college.
- Students requesting reciprocity must initiate the process within one year of their initial placement assessment.

Record of Student Complaints Policy

In accordance with USDOE regulation 602.16(a)(1)(ix), an institution will make available an account of the student complaints it has received, its processing of those complaints, and how that processing comports with the institution's policies and procedures on the handling of grievances or complaints. The Commission reviews the institution's record of complaints as part of the institution's Year Three or Year Seven Evaluation.

Sexual Harassment Policy

It is the intent of Skagit Valley College to prohibit discrimination of any kind, including sexual harassment, as defined by the Equal Employment Opportunity Commission in its guidelines on sexual harassment in 1980 under Title VII of the Civil Rights Act of 1964. If a student believes they have been subject to sexual harassment or other forms of prohibited discrimination, they may file a complaint at cm.maxient.com/reportingform.php?SkagitValleyCollege&layout_id=3 or contact the Title IX/EEO Office at titleix@skagit.edu.

Procedures for handling complaints are found in SVC's Operational and Policies and Procedures Manual (OPPM):

- 3070 Discrimination and Harassment
- 3075 Sexual Harassment Investigation and Disciplinary Procedures

Student Absence for Reasons of Faith or Conscience

Skagit Valley College will grant reasonable accommodation so that grades are not impacted for students who are absent for reasons of faith or conscience, or for an organized activity conducted under the auspices of a religious denomination, church, or religious organization. Such absences must be requested in writing within the first two weeks of the quarter and may not incur additional fees for students. Students' grades may not be adversely impacted by absences authorized under this policy. Each holiday taken under this policy must be

10 Student Rights and Responsibilities

taken as a whole day, that is, the day may not be divided into hours and taken piecemeal. Students who have concerns about approval or a grade impact may utilize the student grievance procedure for concerns not directly related to grades, or to the grade appeal process in cases impacting a final grade.

PROCEDURE

1. Students must coordinate an absence with the Office of the Vice President for Academic Affairs within the first two weeks of the quarter. All requests for authorized absences under this policy must be in writing and contain a concise explanation of how the requested holiday is related to a reason of faith or conscience or an organized activity conducted under the auspices of a religious denomination, church, or religious organization. The electronic request form is located at <https://www.skagit.edu/policies/4150.html>.
2. All absences under this policy must be authorized by the Office of the Vice President for Academic Affairs in advance of the absence. The college will not authorize an absence for a student after the absence occurs without compelling circumstances.
3. The Office of the Vice President for Academic Affairs will provide the student with a document verifying the date of the authorized absence and further instructions. In order to ensure that their absence does not negatively affect their grades, the student must comply with directions for notifying their instructors of their upcoming authorized absence. The student is solely responsible for ensuring the documentation authorizing the absence is provided to each of the instructors whose classes or assignments will be affected by the absence.
4. After an instructor is notified by the student of an upcoming absence, the instructor will determine what adjustments, if any, will need to be made to the student's scheduled classwork or assignments. The instructor will inform the student of these adjustments within two business days of receiving the student's notification. "Business Day" means a weekday, excluding weekends and college holidays.
5. If the student's desired absence date is on a day when a test is scheduled or an assignment is due, the instructor may require that the student take the test or submit the assignment before or after the regularly assigned date.
6. Regardless of an instructor's class expectations or grading policies, absences authorized under this policy will not adversely impact a student's grade.
7. If a student fails to notify any of their instructors of an authorized absence (as directed by the Office of the Vice President for Academic Affairs), the instructor is not obligated to make any accommodations for the student's absence or treat the absence as authorized under this policy or the law.

Transfer Rights and Responsibilities

STUDENT RIGHTS AND RESPONSIBILITIES

- Students have the right to clear, accurate, and current information about their transfer admission requirements, transfer admission deadlines, degree requirements, and transfer policies that include course equivalencies.
- Transfer and freshman entry students have the right to expect comparable standards for regular admission to programs and comparable program requirements.
- Students have the right to seek clarification regarding their transfer evaluation and may request the reconsideration of any aspect of that evaluation. In response, the college will follow established practices and processes for reviewing its transfer credit decisions.
- Students who encounter other transfer difficulties have the right to seek resolution. Each institution will have a defined process for resolution that is published and readily available to students.
- Students have the responsibility to complete all materials required for admission and to submit the application on or before the published deadlines.
- Students have the responsibility to plan their courses of study by referring to the specific published degree requirements of the college or academic program in which they intend to earn a bachelor's degree.
- When a student changes a major or degree program, the student assumes full responsibility for meeting the new requirements.

College and University Rights and Responsibilities

- Colleges and universities have the right and authority to determine program requirements and course offerings in accordance with their institutional missions.
- Colleges and universities have the responsibility to communicate and publish their requirements and course offerings to students and the public, including information about student transfer rights and responsibilities.
- Colleges and universities have the responsibility to communicate their admission- and transfer-related decisions to students in writing (electronic or paper).

11 Other Academic Information

E-Learning

Phone: 360.416.6651
Toll-Free: 1.877.385.5360

Can't Come To Campus? Let Us Come To You!

Skagit Valley College is committed to students and to providing quality education at the time and place that is most convenient to their learning. With this in mind, the college offers a wide selection of courses that are fully online (eLearning), hybrid, and face-to-face. The online (eLearning) and hybrid courses at SVC are academically rigorous and equivalent to traditional face-to-face courses. They are the same in terms of credits, learning objectives, competencies, content, and transferability. They also follow the same policies concerning admission requirements and are on the same academic calendar.

- **Fully online courses**—Students are not required to come on campus or to attend online meetings at a particular time. Students access course content via a course management system and work with their classmates using engaging technology from anywhere and anytime they have internet access.
- **Hybrid courses**—This format combines face-to-face instruction and a significant amount of self-directed learning done online when it is convenient for students. For example, a traditional 5 credit class will usually meet 4 times per week. When converted into a hybrid course, half of those weekly sessions might be replaced by work done independently in an online course management system.
- **Face-to-face courses**—Traditional format where classroom instruction takes place on campus at set hours and days of the week; student attendance is expected. Almost all face-to-face classes use online technology (for example, email, website resources, online videos, and a learning management system) to enhance the learning experience.

Visit elearning.skagit.edu to explore online degree options and available support services.

Developmental Education

Many students entering college or returning after some time away from studies need and want additional instruction to prepare for college-level courses. SVC offers both tutorial services and various levels of courses in foundational mathematics, reading, and writing. These courses are numbered below 100 and, although taken for credit, are not counted toward a college degree.

SVC also offers multiple courses using the Integrated Basic Education and Skills (I-BEST) model. I-BEST classes support student success by providing two instructors. One instructor is the content expert for the course, and the second instructor provides additional support in reading, writing, and math during the college course. I-BEST classes are 100 level and above, and count towards college degrees and certificates.

Basic Education for Adults

Basic Education for Adults (BEaA) serves students who want to improve English language skills; complete a high school diploma; prepare for the GED® (General Educational Development) exams; and/or improve academic skills in reading, writing and math to prepare for transition to college level courses. Basic Education offers **English Language Acquisition (ELA)**, **College and Career Bridge (CCB)**, **HS+ Adult High School Diploma (HSC)** courses, and Integrated Basic Education and Skills (I-BEST) course options.

English Language Acquisition

Classes in **English Language Acquisition (ELA)** and **English for Academic Purposes (EAP)** provide language instruction to speakers of other languages.

ELA offers beginning, intermediate, and advanced classes primarily for English Language Learners living in our community. Classes emphasize listening, speaking, reading, and writing skills. Job readiness is a component of all ELA courses, as well as the practical use of English in everyday life. Students in upper levels are encouraged to pursue additional educational opportunities such as I-BEST, College and Career Bridge (CCB), High School Completion (HSC), English for Academic Purposes (EAP), and/or college certificates and degrees.

EAP courses are offered to international students and other English learners in conjunction with or preparation for entering college credit programs. EAP courses provide students with the language skills needed to succeed in Academic and Professional/Technical studies at SVC.

Externships and Practicums

Externships and/or practicums are required for some academic programs. These courses contribute to a significant applied, hands-on learning focus for the degree/certificate, giving students real-world experience that they can bring to future jobs. Externship locations, course credits, and student

11 Other Academic Information

expectations vary depending on the program of study. Specific information is available from the instructor and is listed within the program information in the catalog. Students participating in externships may be required to pay for general liability insurance.

Running Start

Running Start is a cooperative effort between SVC and local area high schools. This dual credit program allows eligible high school juniors and seniors to attend college classes and earn high school and college credits simultaneously.

Running Start students attend SVC classes during the school day, in the evening, or participate in an online learning environment. Students can enroll part-time or full-time, depending on their goals. Upon the satisfactory completion of the course requirements, college credit is granted. Many college-level courses are transferable to other colleges, please check with the college you intend to transfer to for eligibility; credits may also apply toward high school graduation requirements. Homeschool students are welcome to participate; however, they must enroll in a public school to complete the necessary paperwork in order to access Running Start funding.

Students must be classified as a junior or senior by the high school to be eligible to participate in Running Start. Students should speak with their families, their high school counselor, and attend a Running Start Information Session prior to enrolling in Running Start. Admissions steps include submitting an online admissions application, completing course placement, activating their MySVC account, completing an online orientation, completing a Running Start Enrollment Verification Form (quarterly) and attending a Cardinal Take-Off Advising session. A completed Running Start Enrollment Verification Form is required before a Running Start student registers for courses each quarter. The form must be signed by a parent/guardian, a high school counselor or representative and the student prior to submitting it to SVC each quarter. To learn more about applying to Running Start, please visit www.skagit.edu/runningstart.

The Running Start program may cover the cost of tuition for up to 15 credits of college-level courses per quarter. Students are responsible for paying additional tuition fees if they enroll for additional credits, college and course fees, purchasing books, supplies or materials, and must follow all SVC policies and regulations regarding student performance, behavior, and course prerequisites. Tuition fee waivers are available for students who qualify for and submit documentation of free/reduced priced meals at their high school. This waiver covers the cost of eligible credit fees only; it does not cover any other costs of attendance.

Open Doors

Open Doors is a competency-based high school completion program for eligible individuals who are 16-20 years of age who are deficient in high school credits. High school competency requirements may be met through high school and college coursework. Unmet requirements may be achieved through additional coursework at SVC.

High School Diploma

There are three ways to earn a high school diploma from Skagit Valley College:

- **Adult High School Completion:** An individual who satisfactorily meets the high school requirements as determined by the college shall be awarded a diploma from the college, subject to rules adopted by the Superintendent of Public Instruction and the State Board of Education.
- **Upon Completion of an Associate's Degree:** An individual 16 years or older who enrolls in the college for the purpose of obtaining an associate degree and who satisfactorily completes an associate degree, including an Associate of Arts (AA), Associate of Science Transfer (AS-T), Associate in Education (A.Ed.), Associate in Technical Arts (ATA), Associate in Applied Science (AAS), or Associate in Applied Science Transfer (AAS-T), shall be awarded a Washington State high school diploma from the college upon request from the student. (These individuals are not required to complete the State Board of Education's graduation requirements.).
- **HS+ Adult High School Diploma:** Individuals who have not yet obtained their high school diploma and are over the age of 18, can obtain a competency-based high school diploma through the HS+ diploma program. Students between 16-18 years of age will need a release from their local public high school. High school competency requirements may be met through prior learning in high school or college coursework or work, life, and/or military experience.

Career and Technical Education (CTE)

Dual Credit

CTE Dual Credit courses are available to 9–12th grade students who are enrolled in specific high school classes that are articulated with SVC. Courses are taught by high school instructors who use SVC's course outcomes. If students complete the course with the required grade and skills, they may also receive SVC credit. These courses are part of a **Career and Technical Education (CTE)** program that can lead to a college certificate or degree. **CTE Dual Credit** students gain tremendous advantages by preparing for their post-secondary education while in high school. They may pursue the credential that is right for them, whether it be an associate or bachelor's degree, or a post-secondary industry certification. For more information, please visit the CTE Dual Credit web page.

11 Other Academic Information

College in the High School

College in the High School (CHS) is a dual credit program which provides college-level academic courses to 10th, 11th, and 12th grade students. Courses must be articulated with SVC and CHS teachers must meet the same qualification as SVC instructors. CHS courses are equivalent to SVC courses and are taught at the high school by qualified high school teachers. Students must apply to SVC, meet course prerequisites, register for the course, pay tuition, and satisfactorily complete the course to earn college credit. For more information, visit the **College in the High School** web page.

Apprenticeship Programs

CARPENTER APPRENTICESHIP

A four-year program of paid on-the-job training and related instruction. Graduates receive a journey level certification from the Department of Labor and Industries and the United Brotherhood of Carpenters. Veteran's Affairs (VA) approved. For more information please visit swmsctf.org/become-a-carpenter/.

ELECTRICIAN APPRENTICESHIP

A five-year program of paid, on-the-job training and related instruction. Includes classroom training covering all phases of electrical work leading to Journeyman status. Veteran's Administration (VA) approved. For more information, please call visit www.nwejatc.org.

Cooperative Education

Phone: 360.416.7774
Email: Coop@skagit.edu

Cooperative (co-op) education takes the student out of the classroom and into the world of work, where it is possible to explore career-related hopes and dreams. Co-op bridges the gap between theory and practice, and creates community partnerships with local employers.

The program is a requirement for all students who earn an Associate in Applied Science (AAS) degree. Co-op offers students a chance to prepare for careers in business, industry, government, and non-profit organizations. Co-op students gain work experience, build a network of mentors, and learn what preparation they need to be successful in their chosen field.

Opportunities normally exist for both volunteer and paid positions. Students may work on- or off-campus and must complete at least 30 work hours per credit. An online weekly seminar about work-related issues, such as communication, goal setting, and problem-solving, is also required. For more information, contact Joe Amaral, Cooperative Education Coordinator, at the phone number above or at joe.amaral@skagit.edu.

Learning into Action

Phone: 360.416.7774
Email: Coop@skagit.edu

Transfer degree-seeking students have the opportunity to synthesize and put the knowledge and skills they have learned into practice in an applied learning environment. Students may complete a one-credit, 30-hour project which allows them to creatively apply their knowledge, acquired skills, and critical thinking. Potential projects include community service, original research, study abroad, campus-related activities, foreign travel, work study, thesis papers, mentoring, working with external agencies, visiting/developing exhibits, or capstone projects. Students may participate in either individual or collaborative projects, and carry out their projects in consultation with a faculty sponsor.

For more information, contact Joe Amaral, Cooperative Education Coordinator, at the phone number above, or at joe.amaral@skagit.edu. (Running Start students outside of the Mount Vernon School District would need High School counselor permission prior to enrollment.)

Parent Education

Mount Vernon: 360.416.7635
Whidbey Island: 360.679.5347

The Family Life program offers parents and families the opportunity for parenting support, education and involvement in a developmentally appropriate toddler or cooperative preschool program. Participate in your child's social and intellectual development and increase your knowledge of child development, health and safety, and much more. For more information, contact Alexis Meyers, Family Life program coordinator at alexis.meyers@skagit.edu.

Community Programs

Phone: 360.416.7638
Website: ... www.skagit.edu/continuing-community-education

Community members may sign up for non-credit classes and workshops relating to personal enrichment, professional development, and industry certification through Continuing and Community Education (CCE) program. These courses are designed to be accessible, affordable, and offered at convenient times - including evenings and weekends. Students do not need to apply to Skagit Valley College or be a current student to participate in these courses. A CCE course must meet enrollment minimums in order to run, and courses are not eligible for financial aid or waivers.

11 Other Academic Information

The Continuing and Community Education program is self-sustaining and not eligible for waivers. For more information, contact the CCE Office at 360-416.7638 or email at communityed@skagit.edu.

You may earn Continuing Education Units (CEUs), contact hours, or required certifications to maintain your professional license through the CCE program. Students are encouraged to communicate with the CCE department prior to participating, to ensure a course is eligible for CEUs.

Serving the Business Community

CUSTOMIZED TRAINING FOR BUSINESSES:

Phone: 360.416.7638
 Email: Customizedtraining@skagit.edu
 Website: .. www.skagit.edu/community/training-for-business

SVC provides efficient and effective training with an eye on the bottom line and a plan to help develop a company's most important asset - its employees. Businesses can request customized training options which can be delivered on-site at your business, online, or at any of our training locations. Instructors are subject matter experts with extensive industry experience, who can provide a complete range of high-quality customized training solutions for businesses, non-profits, and government agencies. Funding for training may be available for eligible businesses and organizations.

Foreign Travel

Credit may be earned either through coursework associated with organized trips sponsored by the college or through independent travel, enrollment in foreign educational institutions, or through international exchange programs.

Independent Study

Independent study may be achieved through individual instructors for one to five credits per quarter. Independent study is limited to of one course per quarter. The course numbers are 251-255 in the department in which the work is done and may be repeated for credit. An independent study form may be obtained from Enrollment Services and must be signed by the instructor, department/division chair and dean prior to enrollment.

Honors and Graduation

HONOR ROLL

Per SVC Policy 5325—Academic Honors, students will be placed on the quarterly honor roll if they have earned a quarterly GPA of 3.75 or higher for at least 12 credits of graded-basis courses.

HONORS AND HIGH HONORS

Graduates with a degree or certificate, and who have a college-level GPA of 3.50 to 3.79, receive Honors. High Honors is awarded if the college level GPA is 3.80 to 4.00. Honors designations are listed on the SVC transcript with the degree and/or certificate title.

PRESIDENT'S MEDAL

To be eligible for the Presidents Medal, graduating students must achieve a 3.90 to 4.00 SVC college-level GPA, including all SVC and transfer coursework. All grades must be 'A' or 'A-', and no 'I' or 'F' grades in courses numbered over 100 are permitted. In addition, a maximum of two Pass 'P' grades are allowed, and students must have attended SVC for a minimum of three quarters. The specific and complete criteria for the President's Medal may be obtained in Enrollment Services.

HONORS RECEPTION

One of the culminating events of every school year is the annual Honors Reception. Both the Mount Vernon and Whidbey Island campuses host a reception. The Honors Reception is a celebration of both academic achievement and student involvement in campus activities. More information about the Honor Reception may be obtained at the Office for Student Life.

PHI THETA KAPPA

Skagit Valley College is a member of Phi Theta Kappa, an international honor society for two-year colleges. The Theta Upsilon Chapter is on the Mount Vernon campus, and the Alpha Omicron Sigma Chapter serves the Whidbey Island campus.

Graduation

DIPLOMA APPLICATION

Students are required to submit a diploma application approximately one quarter prior to registering for their final quarter. The online application is located at skagit.edu/student-resources/enrollment-services/commencement.

Your degree and/or certificate status can be reviewed through a What-If Report (advisement report) within your MySVC account in the Resources/Advising section, and/or with your advisor.

The degree and/or certificate will be posted to your official transcript at the end of the quarter in which the requirements were completed. The diploma will be mailed approximately 3-4 weeks after degree and/or certificate posting.

COMMENCEMENT CEREMONY

All students who graduated or will be graduating during this current academic year (Summer 2025 through Spring 2026) are encouraged to attend the graduation commencement ceremony at the end of Spring Quarter.

To participate, the degree/certificate requirements must be satisfied, or be within 10 credits or two classes or one quarter of degree/certificate completion, by the end of Summer Quarter 2025.

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Grading Procedure

Evaluation of student performance is the prerogative of course instructors as follows:

CLASSIFICATION	LETTER GRADE	GRADE POINTS
Excellent	A	4
Above Average	A-	3.7
	B+	3.3
	B	3
Average	B-	2.7
	C+	2.3
	C	2
Below Average	C-	1.7
	D+	1.3
	D	1
Failing	F	0
OTHER		
Grade not received from instructor	*	Not Counted
Incomplete	I	Not Counted
Audit	N	Not Counted
Pass	P	Not Counted
Ceased Attendance (Comm. Ed.)	V	Not Counted
Withdrawal	W	Not Counted
In Progress/Re-register (BEEdA and AESL)	Y	Not Counted
Course Repeated	Repeat- Excluded	Not Counted
Statute of Limitations	Grade+ 0.00 credits attempted*	Not Counted

Earning College Credits

The standard academic year is divided into three quarters of approximately 11 weeks each, plus a summer session of approximately 5 weeks or 8 weeks, depending on the course. One credit is allowed for each lecture period or two hours of laboratory per week. The laboratory period may consist of two or more hours. For each period of lecture or discussion, the average student should allow two hours of outside preparation.

A carefully planned course of 15 or more college-level credits per quarter may give you sufficient credits to graduate in two years. These credits should be chosen according to the educational plan developed under the guidance of an advisor.

If you are a degree-seeking student, you are strongly encouraged to have your schedule of classes reviewed by your advisor. Students registering for more than 22 course credits require approval by an advisor and the Dean of Enrollment Services.

Prior Learning

As per SVC's **Credit for Prior Learning** policy, prior learning is the knowledge and skills gained through work and life experience; through military training and experience; and through formal and informal education and training from in-state and out-of-state institutions, including foreign institutions. For information, contact the Executive Dean of Workforce Education at 360.416.7713.

CREDIT FOR PRIOR LEARNING

Currently enrolled SVC students may earn college credit based upon prior learning when they demonstrate by examination or evaluation that their professional experience or substantial prior learning meets the specific outcomes of a SVC course. Each department determines the evaluation method students use to demonstrate mastery of the course content. Students seeking to acquire this form of college credits should complete the Petition for Non-Traditional Credit: For Prior Learning Form from the **Enrollment Services Forms** web page. Then submit the form and all documentation supporting their request to the Department Chair for the program that oversees the course(s) the student is challenging. A maximum of 30 credits is allowed for this method and there is a \$60 per credit transcription fee associated with this request. Certain pre-approved training programs may qualify for a Pre-Approved Prior Learning Assessment Fee of \$250 for up to 30 credits of transcribed credit.

ADVANCED STANDING

The purpose of Advanced Standing is to replace a required course with prior experience in military work/military schools or relevant employment in an industry that can be documented by employment records or through testing. Students seeking advanced standing credit should do so upon entry to Skagit Valley College by completing the Petition for Non-Traditional Credit: Advanced Standing Request form and submit the form and all documentation (including appropriate transcripts, DD295s, Joint Service Transcript (JST), or industry training documents) supporting their request to the Executive Dean for Workforce Education. Once awarded, Advanced Standing may give you prerequisites necessary for registration for courses that will count toward your certificate/ diploma. For

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example: a student who holds a current CPR/First Aid card from an approved agency may request a waiver of PE 200 as a requirement for their degree. Students who receive advanced standing must still complete a minimum of 90 credits to graduate with an Associate of Applied Science Degree.

Note: *This option only eliminates the requirement for the class but does not count as credits toward attainment of a degree. In the example offered, a student with a valid CPR card would not need to take the 2-credit PE 200 class but will still need a minimum of 90 credits overall to graduate with a degree.*

STANDARDIZED TESTS

Non-traditional credits include credit by nationally standardized tests such as College Level Examination Program (CLEP) and DANTES, military, vocational, and other non-accredited training programs, independent study, and other appropriate educational experiences. Students who request to be tested in a specific subject area using a nationally standardized test (such as the CLEP or American Chemical Society tests) and score at or above the national reference standard or at a minimum level which shall be decided by the various departments.

Students who request to be tested in broad areas of General Education such as natural science or humanities, may be granted a maximum of 45 credits (depending on the degree type, see below “Application of Non-Traditional Credit”) through CLEP general examinations (not to exceed 9 credits per exam) or other similar nationally standardized tests.

Challenging an SVC Course

CREDIT BY EXAMINATION

The following regulations have been established for awarding credit by examination:

- Students may not receive credit by examination for subject matter less advanced than that for which they have previously received credit.
- No student shall be permitted to repeat any examination for advanced credit.
- Students may not challenge courses they have previously audited, failed, or challenged and failed.
- Students may not receive credit by examination for lower division (100 and 200-level) language courses in the student’s native language.
- Students may not request credit by examination for any course in which they are currently enrolled.

The following is the process students should follow to request credit by examination:

Students who request to be tested in a specific course must have faculty, department/division chair, and dean approval. Forms may be obtained from Enrollment Services. Approved forms must be returned to Enrollment Services with appropriate payment.

1. The student pays a course challenge fee of \$2.00 per course credit. The student also pays the tuition for the course itself.
2. The student receives a receipt. The student submits the receipt for the challenge to the instructor and arranges a time with the instructor to take the exam.
3. The instructor grades the exam and indicates the grade for the course on the receipt and signs it.
4. The instructor submits the signed receipt with the grade at Enrollment Services.
5. The course grade based on the challenge exam is posted on the student’s transcript.

College Preparatory Program with Exams

AP TEST SCORE EQUIVALENCIES AT WASHINGTON SBCTC (4.60.51)

Students interested in transferring to a four-year university should check the requirements of their target school to determine the best way to use AP credits.

Credit earned through AP exams do not count toward the SVC residency requirement. For Advanced Placement, review the AP Test Score Equivalencies Table below.

The chart included on this page represents course equivalencies awarded for each Advanced Placement (AP) exam score and is recognized by all community and technical colleges in Washington. Students interested in transferring to a four-year university should check the requirements of their target school to determine the best way to use their AP exam credits. This page also includes the State/SBCTC policy (4.60.51) for awarding credit for AP scores. Advanced Placement exams with scores of three or higher will be posted to the SVC transcript.

4.60.51 Advanced Placement: Washington state community and technical colleges will award unrestricted elective credit for an Advanced Placement (AP) score of 3 or higher. Credit will be awarded on the basis of official AP results, not transcript notation. Credits granted for general education or major requirements will be specified by the receiving institution’s AP credit policies; otherwise, elective credit will be granted. Unrestricted electives will be academic/transferrable credits for Skagit Valley College.

See AP Test Score Equivalencies table, [pp. 277–278]

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AP TEST SCORE EQUIVALENCIES

AP TEST	SCORE	COURSES AND CREDITS LISTED BELOW ARE THE MINIMUM AWARDED PER SCORE
African American Studies	3-5	Humanities or Social Sciences Distribution (5)
Art: Art History	3-5	ART& 100 (5)
Art: Studio Art—Drawing	3-5	Humanities Distribution (5)
Art: 2D Design	3-5	Humanities Distribution (5)
Art: 3D Design	3-5	Humanities Distribution (5)
Biology	3-5	BIOL& 100, BIOL& 160 (5)
Calculus AB	3-5	MATH& 151 (5)
Calculus BC	3-5	MATH& 151, MATH& 152 (5)
Pre-Calculus	3	MATH& 141 (5)
Pre-Calculus	4-5	MATH& 141 + MATH& 142 (10)
Chemistry	3-4 5	CHEM& 121, CHEM& 161, CHEM& 162 (10)
Chinese Language and Culture	3-4 5	World Language Elective (5) World Language (10)
Computer Science A	3 4-5	Elective (5) CS 142 (5)
Computer Science AB	3-5	Elective (5)
Computer Science Principles	3-5	Computer Science Elective (5)
Economics: Micro	3-5	ECON& 201 (5)
Economics: Macro	3-5	ECON& 202 (5)
English: Lang and Comp	3 4-5	Elective (5) ENGL& 101 (5)
English: Lit and Comp	3-5	Humanities Distribution (5)
Environmental Science	3 4-5	ENVS& 100 (5) ENVS& 100, ENVS& 101 (5)
European History	3-5	HIST& 116, HIST& 117, HIST& 118 (5)
French Language and Culture	3 4-5	World Language (5) World Language (10)
French Literature	3-4 5	World Language (5) World Language (10)
German Language and Culture	3-4 5	World Language Elective (5) World Language (10)
U.S. Government and Politics	3-5	POLS& 202 (5)
Comparative Government and Politics	3-4 5	POLS& 101 (5) POLS& 101, POLS 201 (5)
Human Geography	3-4 5	Social Science Elective (5) Social Science Elective (10)
Italian Language and Culture	3-4 5	World Language Elective (5) World Language (10)
Japanese Language	3 4 5	JAPN& 121 (5) JAPN& 121, JAPN& 122 (5) JAPN& 121, JAPN& 122, JAPN& 123 (10)
Latin Literature and Culture	3-5	Humanities Distribution (5)
Latin: Virgil	3 4 5	Elective, Humanities Elective (5) Humanities Distribution, Humanities Elective (5) Humanities Distribution, Humanities Elective (10)
Music Theory	3-4 5	Music Theory Elective (5) Music Theory Elective (10)
Music Listening/Literature	3-5	MUSC& 105 (5)

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AP TEST SCORE EQUIVALENCIES (CONTINUED)

AP TEST	SCORE	COURSES AND CREDITS LISTED BELOW ARE THE MINIMUM AWARDED PER SCORE
Physics 1	3-5	PHYS& 124 + PHYS& 134 (5) or other algebra-based physics class (mechanics)
Physics 2	3-5	PHYS& 125 + PHYS& 135 (5) or other algebra-based physics class (waves or thermodynamics)
Physics B	3-5	Science Distribution (5)
Physics C (Mechanics)	3	Calculus-based physics class (5)
	4-5	PHYS& 231 + PHYS& 241 (5) or other calculus-based physics class (mechanics))
Physics C (Elect. and Mag.)	3	Calculus-based physics class (5)
	4-5	PHYS& 233 + PHYS& 243 (5) or other calculus-based physics class (electricity and magn.)
Psychology	3-5	PSYC& 100 (5)
Research	3-5	General Elective (5)
Seminar	3-5	Elective (5)
Spanish Language and Culture	3	SPAN& 121 (5)
	4	SPAN& 121, SPAN& 122 (5)
	5	SPAN& 121, SPAN& 122, SPAN& 123 (10)
Spanish Literature and Culture	3	SPAN& 121 (5)
	4	SPAN& 121, SPAN& 122 (5)
	5	SPAN& 121, SPAN& 122, SPAN& 123 (10)
Statistics	3-5	MATH& 146 (5)
U.S. History	3-4	HIST& 146, HIST& 147, HIST& 148 (5)
	5	HIST& 146, HIST& 147 HIST& 148 (10)
World History	3-5	HIST& 126, HIST& 127, HIST& 128 (5)

CAMBRIDGE INTERNATIONAL (CI) (4.60.53)

Skagit Valley College will award unrestricted elective credit for a Cambridge (CI) score of E on A and AS level exams with a passing grade or above for approved examinations. Credit will be awarded on the basis of official CI results, not transcript notation. Credits granted for general education or major requirements will be specified by the receiving institution's CI credit policies; otherwise, elective credit will be granted. Duplicate credit for the same subject taken on different exams will not be granted.

See Cambridge International Test Score Equivalencies table, [pp. 279–280]

For Cambridge exams that are not listed here (Afrikaans, Arabic, Divinity, Hindi, Hinduism, Information Technology, Islamic Studies, Law, Portuguese, Tamil, Travel and Tourism, or Urdu), please contact your college's Office of Admissions or Enrollment Services.

INTERNATIONAL BACCALAUREATE (IB) (4.60.52)

Students interested in transferring to a four-year university should check the requirements of their target school to determine the best way to use credits.

Skagit Valley College will award unrestricted elective credit for an International Baccalaureate (IB) score of 4 on standard-level or higher-level IB exams. Credit will be awarded on the basis of official IB results, not transcript notation. Credits granted for general education or major requirements will be specified by the receiving institution's IB credit policies; otherwise, elective credit will be granted. International Baccalaureate exams with scores of four or higher will be posted to the SVC transcript.

See INTERNATIONAL BACCALAUREATE Exam Scores table, [p. 281]

Military Service Schools

At SVC we use the procedures below to ensure every veteran receives the maximum amount of college credit for military training possible. Military credits are considered to be “non-traditional” credits.

- Upon request, SVC evaluates every civilian and military transcript received from active duty military and veterans pursuing an education at SVC. The request form can be found at <https://skagitvalley.tfaforms.net/217845>.
- SVC accepts the Joint Service Transcript (JST) as an official education transcript.
- SVC uses the American Council on Education (ACE) “A Guide to the Evaluation of Educational Experiences in the Armed Services” as a guide. ACE translates military courses and occupations into academic credit recommendations and provides guidelines to interpret and recommend credit for college courses.
- For the Associate in Arts Direct Transfer Agreement (DTA) degree, the Associate in Business DTA degree, and the Associate in Pre-Nursing DTA degree, a maximum of up to 15 non-traditional credits may be applied to the Physical Education requirement and to the “gray area” elective requirements.
- For the Associate in Science transfer degrees and the Associate in Biology DTA, a maximum of up to 6 non-traditional credits may be applied to the “gray area” elective requirements.

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CAMBRIDGE INTERNATIONAL TEST SCORE EQUIVALENCIES

NAME	SCORE	MINIMUM CREDITS
Accounting	A Level	ACCT& 201, ACCT& 202, and ACCT& 203 (15)
Accounting	AS Level	General electives (5)
Art and Design	A Level	Humanities distribution in art (10) and general electives (5)
Art and Design	AS Level	Humanities distribution in art (7.5)
Biology	A Level	Natural science distribution in biology, with lab (10) and general electives (5)
Biology	AS Level	Natural science distribution in biology, with lab (7.5)
Business	A Level	BUS& 101 (5) and business electives (10)
Business	AS Level	BUS& 101 (5) and business electives (2.5)
Chemistry	A Level	CHEM& 161, CHEM& 162, and CHEM& 163 (15)
Chemistry	AS Level	Natural science distribution in chemistry, with lab (7.5)
Chinese	A Level	World language (10) and humanities distribution (5)
Chinese – Language	AS Level	World language (7.5)
Classical Studies	A Level	Humanities distribution (10) and general electives (5)
Classical Studies	AS Level	Humanities distribution (7.5)
Computer Science	A Level	Computer science for non-majors (5) and general electives (10)
Computer Science	AS Level	Computer science for non-majors (5) and general electives (2.5)
Digital Media and Design	A Level	Humanities distribution (10) and general electives (5)
Digital Media and Design	AS Level	Humanities distribution (7.5)
Drama	A Level	DRMA& 101 (5), humanities distribution (5), and general electives (5)
Drama	AS Level	DRMA& 101 (5) and humanities distribution (2.5)
Economics	A Level	ECON& 201 (5), ECON& 202 (5), and general electives (5)
Economics	AS Level	Social science distribution in economics (7.5)
English – Language	A Level	General electives (15)
English – Language	AS Level	General electives (7.5)
English – Language and Literature	AS Level	General electives (7.5)
English – Literature	A Level	Humanities distribution (10) and general electives (5)
English – Literature	AS Level	General electives (7.5)
English General Paper	AS Level	General electives (7.5)
Environmental Management	AS Level	Natural science distribution, with lab (7.5)
French	A Level	FRCH& 121, FRCH& 122, and FRCH& 123 (15) UW awards 200-level credit
French – Language	AS Level	FRCH& 123 (5) and humanities distribution (5)
Geography	A Level	Social science distribution (10) and general electives (5)
Geography	AS Level	Social science distribution (7.5)
German	A Level	World Language Elective (15) <i>UW gives primarily 300-level credit</i>
German – Language	AS Level	World Language Elective (5) and humanities distribution (5)
Global Perspectives and Research	A Level	General electives (15)
Global Perspectives and Research	AS Level	General electives (7.5)
History	A Level	Humanities or social science distribution in history (10 in one or 5 in each) and general electives (5 to 10)
History	AS Level	Humanities or social science distribution in history (7.5)
Japanese – Language	AS Level	World language (5) and humanities distribution (2.5)
Marine Science	A Level	Natural science distribution, with lab (10) and general electives (5)
Marine Science	AS Level	Natural science distribution, with lab (7.5)
Mathematics	A Level	MATH& 151 (5), MATH& 152 (5), and mathematics electives (5)
Mathematics	AS Level	Mathematics electives (7.5)
Mathematics – Further	A Level	MATH& 146 (5), MATH& 153 (5), and mathematics electives (5)

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CAMBRIDGE INTERNATIONAL TEST SCORE EQUIVALENCIES (CONTINUED)

NAME	SCORE	MINIMUM CREDITS
Mathematics – Further	AS Level	Mathematics electives (7.5)
Media Studies	A Level	Humanities distribution in communication (10) and general electives (5)
Media Studies	AS Level	Humanities distribution in communication (7.5)
Music	A Level	Humanities distribution in music (10) and general electives (5)
Music	AS Level	Humanities distribution in music (7.5)
Physical Education	A Level	General electives (15)
Physical Education	AS Level	General electives (7.5)
Physics	A Level	PHYS& 124, PHYS& 125, and PHYS& 126 (15)
Physics	AS Level	Natural science distribution in physics, with lab (7.5)
Psychology	A Level	PSYC& 100 (5), social science distribution in psychology (5), and general electives (5)
Psychology	AS Level	Social science distribution in psychology (7.5)
Sociology	A Level	SOC& 101: E (5), social science distribution in sociology (5), and general electives (5)
Sociology	AS Level	Social science distribution in sociology (7.5)
Spanish	A Level	SPAN& 121, SPAN& 122, and SPAN& 123 (15)
Spanish – Language	AS Level	General electives (7.5)
Spanish – Literature	AS Level	Humanities distribution (7.5)
Thinking Skills	A Level	Humanities or social science distribution in philosophy (10 in one or 5 in each) and general electives (5 to 10)
Thinking Skills	AS Level	Humanities or social science distribution in philosophy (7.5)

- For the Associate in Applied Sciences degrees and/or certificate programs, a maximum of up to 30 non-traditional credits may be applied toward departmental requirements as approved by the department chair and appropriate dean.
- For the Associate in Arts General Studies degree, a maximum of up to 45 credits for non-traditional learning may be granted: a maximum of 32 credits may apply to the “gray area” elective requirements, 10 credits may apply to the Science and Technology requirement.
- In some circumstances, minimum resident credits requirements may be waived for active duty military personnel pursuing an SVC program.
- For academic/transfer programs, military courses marked with “V”, “U” or “G” are generally not accepted. For some professional/technical programs, military courses marked with “V”, “U” or “G” are accepted on a case-by-case basis as determined by the department chair and/or appropriate dean.
- Any remaining ACE credits on transcripts that do not match any courses in pursuit of any program of study will be accepted as elective credits whenever possible.
- All military credits must be reviewed and evaluated for a student’s current program of study by the end of their 3rd quarter.
- VA students may not opt out of a transcript evaluation.
- A list of professional/technical career pathways that enables students to learn about options and opportunities to navigate their own education and career plans can be found on the SVC website.

Waiver

Through the Waiver of Requirements process, a student asks the college to waive a particular program requirement due to successful completion of another post-secondary course, or equivalent coursework, which overall constitutes equal content. The minimum credit requirement is still required to complete a degree or certificate program.

Transferring in Credit

FROM ACCREDITED COLLEGES OR UNIVERSITIES

“Accredited institutions of higher education” means a community college, college, or university which is a candidate for accreditation or is accredited by one of the accredited institutions as defined in WAC 250-61-050, and as amended by the Washington Student Achievement Council. See **WAC 181-78A-010**.

Official transcripts from regionally accredited colleges and/or universities, or other learning experiences will be evaluated upon request. The following types of courses do not transfer, regardless of an institution’s accreditation: remedial courses and developmental coursework, however, these courses may be used for placement purposes; courses that provide instruction in a particular religious doctrine; and non-credit continuing education courses. Courses not applicable for distribution requirements are assigned as elective credit up to the maximum allowable. If there are questions of interpretation in designating distribution credits for classes taken previously, you may apply to the appropriate instructional dean for review.

Credits transferred from another institution are not included in any SVC GPA calculation.

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INTERNATIONAL BACCALAUREATE EXAM SCORES

IB SL OR HL EXAMINATION	SCORE	PROPOSED MINIMUM CREDIT
African History	4-7	Distribution Credit (5) <i>Social Science or Humanities based on institutional placement of History discipline.</i>
American History	4-6 7	Elective (5) HIST& 146, HIST& 147, HIST& 148 (10)
Language A Arabic A, Chinese A, French A, Japanese A, Russian A, Spanish A	4-7	Humanities distribution: World Language (5)
Language B Arabic B, Chinese B, French B, Japanese B, Russian B, Spanish B	4-6 7	Humanities distribution: World Language (5) Humanities distribution: World Language (10)
Art/Design	4-7	Humanities distribution (5)
Biology	4-7	BIOL& 100, BIOL& 160 (5)
Business Management	4-7	Business or Management elective (5)
Chemistry	4 5 6-7	CHEM& 121 (5) CHEM& 121, CHEM& 161 (5) CHEM& 121, CHEM& 161, CHEM& 162 (5)
Computer Science	4 5 6-7	CS 142 or first transfer-level computer programming course (5)
Design Technology	4-7	ENGR& 104 (5)
East/Southeast Asia and Oceania History	4-7	Distribution Credit (5) <i>Social Science or Humanities based on institutional placement of History discipline.</i>
Economics	4 5 6-7	Elective (5) ECON& 201 (5) ECON& 201, ECON& 202 (10)
English A Literature	4 5-7	Humanities distribution (5) ENGL& 111 (5) or Humanities distribution (5)
English A Language and Literature	4 5-7	Humanities distribution (5) ENGL& 101 (5)
European History	4-7	HIST& 116, HIST& 117, HIST& 118 (5)
Geography	4-7	Social Science Elective (5) GEOG& 200 (5)
Global Politics	4-7	Political science elective (5)
Information Technology in a Global Society	4-7	Elective (5)
Mathematics	4 5-6 7	College-level math distribution (5) MATH& 142 (5) MATH& 151 (5)
Further Mathematics	4 5-7	MATH& 142 (5) MATH& 151 (5)
Music	4-7	MUSC& 105 (5)
Philosophy	4-7	PHIL& 101 (5)
Psychology	4-7	PSYC& 100 (5)
Social and Cultural Anthropology	4-7	ANTH& 206 (5)
Sports, Exercise and Health Science	4-7	Elective (5)
Theatre	4-7	DRMA& 101 (5) or Humanities distribution (5)
Visual Arts	4-7	ART& 100 (5)
World Religions (SL only)	4-7	HIST 121 (5)

12 Policies and Regulations

APPLICATION OF CREDITS TO THE AA-DTA DEGREE

Credits transferred in from other regionally accredited colleges, SVC professional/technical programs, and credits earned by students who had a break in enrollment for two years.

- Students transferring 45 or more applicable college credits are exempt from the Integrative Learning Experience and Equity course requirements.
- Students transferring 30-44 applicable college credits are required to complete one Integrative Learning Experience and one Equity course.
- Students transferring 0-29 credits are required to complete two Integrative Learning Experiences and one Equity course.

Application of Non-Traditional Credit

ASSOCIATE IN ARTS – DIRECT TRANSFER AGREEMENT (AA-DTA)

ASSOCIATE IN BUSINESS DTA/MRP

ASSOCIATE IN PRE-NURSING DTA/MRP

A maximum of 15 credits through examination, independent study, CLEP, military programs, or professional/technical credits may be applied only as elective credits.

ASSOCIATE IN SCIENCE – TRACK 1 AND 2

ASSOCIATE IN BIOLOGY DTA/MRP DEGREE

A maximum of 6 credits through examination, independent study, CLEP, military programs, or professional/technical credits may be applied only as elective credits.

ASSOCIATE IN ARTS (AA) GENERAL STUDIES

A maximum of 45 credits may be applied toward the distribution requirements (subject areas) or as elective credits.

ASSOCIATE IN APPLIED SCIENCE DEGREE OR CERTIFICATE PROGRAMS

A maximum of 30 credits may be applied if approved by the department chair and appropriate instructional dean.

CATALOG UNDER WHICH COURSEWORK WILL BE EVALUATED

Students continuously enrolled fall through spring will be evaluated under the requirements in effect at the time of initial enrollment. Students not enrolled for a minimum of one quarter (excluding summer) will be evaluated under the requirements in effect at the time of re-enrollment.

If a student has applied for a diploma and has not met requirements in effect at the time of initial enrollment or under the requirements in effect when they applied for a diploma, but would meet requirements under the certificate or degrees currently in effect, they will be evaluated under the most recent requirements, regardless of their enrollment status.

This catalog is in effect from Summer 2025 to Spring 2026.

Final Grades and Transcripts

At the end of each quarter, students may view their final grades by using ctcLink to access their unofficial transcript. Students without a ctcLink student ID number will need to contact enrollment@skagit.edu to request an unofficial transcript. Official transcripts are available by submitting a transcript request through www.parchment.com.

I (Incomplete)

An “I” or incomplete grade may be given at the end of a quarter, where in the judgment of the instructor, the student should have reasonable expectation of passing the course but has not completed the required work to justify assignment of a grade. The student must make appropriate arrangements to complete the missing work. This work must be completed within one quarter (Summer Quarter excluded), or an “F” (fail) will automatically be assigned. An Incomplete Contract should be completed between the instructor and student identifying all remaining coursework.

N (Audit)

Students may audit a course with the permission of the instructor and the Dean of Enrollment Services. An audit grade of “N” indicates the student has registered in, paid for, and attended a course without writing examinations, submitting work, papers, lab reports, etc. Attendance is required. “N” grades are not included in GPA calculations.

P (Pass)

A Pass (P) grade may be assigned in lieu of all grades from A to D. “P” indicates that the student has passed with credit and this grade may be assigned after consultation between the student and the instructor. “P” grades are not included in GPA calculations.

V (Ceased Attendance)

Students who register for a Community Education course and cease attendance, but do not withdraw, may be awarded a “V” grade by the instructor. “V” grades are not included in GPA calculations.

W (Withdrawal)

Students may officially withdraw from a course without notation on the permanent student record through the 10th day of instruction Fall, Winter, and Spring Quarters, and the 8th day of instruction Summer quarter.

After the withdrawal with notation deadline, students may officially withdraw from a course with a “W” noted on their permanent student record. The last day to withdraw from classes is the last instructional day of the quarter.

Y (In Progress/Re-Register)

Students enrolled in Basic Education for Adults (BEaA) and English for Academic Purposes (EAP) courses may be assigned a “Y” when the instructor deems the student has been actively working but has not yet achieved a sufficient skill level to justify a passing grade. “Y” grades are not included in GPA calculations.

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Repeated Course

This indicates the course has been repeated and the lowest grade and grade points have been removed from GPA calculations. The course with the highest grade will be noted as "Repeat-Included," and any course with a lower grade will be noted as "Repeat-Excluded." The repeat check process is run at the end of each quarter.

Fourth Attempt

In compliance with State Board for Community and Technical Colleges Policy Manual, Chapter 4, Appendix A, Course Coding Procedures and Guidelines: Repeat Course Rule. Students cannot be reported for courses funded with State dollars if enrolled more than three times for the same course. This is defined as two repeats in addition to the original enrollment. Students with extenuating circumstances may receive permission to enroll in a course for a 4th attempt. You may request to take a course more than three times by completing the Fourth Attempt Petition Form.

All Fourth Attempt petitions are reviewed by the Dean of Enrollment Services or designee.

Grade Forgiveness

Grade forgiveness is noted as "Grading Basis: Grade Forgiveness" on the permanent student record. See **SVC Policy 5330–Grade Forgiveness** for eligibility guidelines and procedures.

Grade Changes

All grade changes must be submitted by the instructor via the Change of Grade Online Form available in the Employee Portal.

The following time limits have been established regarding grade changes:

- Grade changes **MUST** be made within two quarters of the original registration.
- Grade changes will not be made after two quarters, unless documentation is provided to the Registrar by the instructor that the grade was awarded in error.
- Grade changes will be made at any time if due to recording error. Students are advised to contact the instructor immediately if a grade has been recorded incorrectly. Errors and omissions will be corrected as soon as identified without cost to the student.

Grade Point Average (GPA)

Grade Point Average (GPA) is calculated by dividing the total grade points received by the total grade point credits attempted. Please refer to Grading Information for the grades assigned for each letter grade, for example, A = 4.00, B = 3.00 grade points.

When Incomplete (I) grades are replaced with letter grades, grade points and credit hours attempted are added to the formula to compute the new GPA.

Note: The Cumulative GPA includes all courses designated as graded-basis for which a letter grade of A, B, C, D, E, or F was assigned. Credits transferred from another institution are not included in any SVC GPA calculation.

Examinations

All students are required to take regularly scheduled tests and examinations as prescribed by the instructor. If you miss an examination, it is your responsibility to contact the instructor and, if permitted by the course syllabus, schedule a makeup test as soon as possible.

Final examinations are held at the end of each quarter and are listed in the final examination schedule. Permission for a special test or examination must come from the instructor.

Class Add/Drop

To add or drop a class, the following policies apply to all students:

- All enrollments and withdrawals must be requested by students and recorded by Enrollment Services in accordance with **SVC Policy 5300–Enrollment** and **SVC Policy 5315–Official Withdrawal from Courses**.
- Students may view enrollment and withdrawal deadlines on SVC's **Important Dates and Deadlines** page.
- All enrollment for regular-session classes must be requested on or before the 10th instructional day of the fall, winter, or spring quarter, and the 8th instructional day of summer quarter, unless otherwise approved
- Enrollment deadlines for dynamically dated and open enrollment classes will vary depending in the class schedule.
- Students who do not pay in full, make a full payment plan payment, or arrange funding, by the deadline may be disenrolled from one or more classes due to nonpayment per **SVC Policy 5320–Drop for Non-Payment**.

Academic Standing and Honor Roll

ACADEMIC STANDARDS POLICY

At the conclusion of each quarter, students will be awarded academic standing per **SVC Policy 5335–Academic Standards**.

GOOD STANDING

A student with a cumulative Grade Point Average (GPA) of 2.0 or higher will be in good academic standing.

ACADEMIC ALERT

A student with a quarterly cumulative GPA below 2.0 will be on academic alert.

A student on academic alert who earns a quarterly GPA of 2.0 or higher will remain on academic alert until their cumulative GPA is 2.0 or higher.

A student on academic alert who earns a cumulative GPA of 2.0 or higher will return to good academic standing.

ACADEMIC INTERVENTION

A student on academic alert who earns a quarterly GPA below 2.0 will be placed on academic probation.

12 Policies and Regulations

A student on academic intervention who earns a quarterly GPA of 2.0 or higher will remain on academic intervention until their cumulative GPA is 2.0 or higher.

A student on academic intervention who earns a cumulative GPA of 2.0 or higher will return to good academic standing.

ACADEMIC BREAK

If a student is on academic probation who receives a quarterly GPA below 2.0 will be required to take an academic break for up to one year.

RETURN AFTER ACADEMIC BREAK

A student whose petition has been approved will be placed on academic intervention until they earn a cumulative GPA of 2.0 or higher and return to good academic standing.

A student who has returned from a break and earns a quarterly GPA below 2.0 will be required to take another academic break for up to one year.

TIME TO DEGREE COMPLETION

Pursuant to E2SSB 5135 Skagit Valley College has developed policies to ensure enrolled undergraduates complete degree and certificate programs in a timely manner. These policies address:

- Students who accumulate more than 125% of the number of credits required to complete their respective associate degree or certificate programs;
- Students who drop more than 25% of their course load before the grading period for the quarter or semester, which prevents efficient use of instructional resources; and
- Students who remain on academic probation for more than one quarter or semester.

ABSENCES

Students are responsible to the instructor of the course for attendance. An absence due to serious illness or a death in the immediate family may be excused. Even with an excused absence students will be required to make up the content and assignments missed during the absence. In all cases, students must communicate directly with the instructor regarding attendance (refer to the class syllabus).

Absences due to participation in field trips, intercollegiate games and other trips arranged by the college, may be excused with advance notice to the instructor.

SVC will grant reasonable accommodation so that grades are not impacted for students who are absent for reasons of faith or conscience, or for an organized activity conducted under the auspices of a religious denomination, church, or religious organization. Such absences must be requested in writing within the first two weeks of the quarter and may not incur additional fees for students. Students' grades may not be adversely impacted by absences authorized under this policy.

Each holiday taken under this policy must be taken as a whole day, that is, the day may not be divided into hours and taken piecemeal. For information, see **Student Absence for Reasons of Faith or Conscience**.

Refund Policy

Refunds of student tuition and fees are determined based on **SVC Policy 5345 – Tuition Payment and Refunds**:

- A full refund is given for any course cancelled by the college.
- Refunds for withdrawal from classes will be made as follows:
 - 100% refund if a student officially withdraws through the fifth (5th) officially scheduled instructional day of the quarter.
 - 50% refund if a student officially withdraws after the fifth (5th) instructional day of the quarter and through the tenth (10th) instructional day of the quarter.
 - 0% refund if the withdrawal occurs after the eighth (8th) instructional day of the quarter.

For classes that do not follow the regular quarterly schedule, refunds are calculated based on the scheduled course dates and the refund rules for regular quarterly classes.

Per **RCW 28B.15.605**, no refunds will be given beyond these dates of the quarter except as stated in RCW 28B.15.605 and **RCW 28B.10.270**.

Continuing and Community Education

Continuing and Community Education (CCE) courses are not eligible for college credit. Participants must register and pay in full for these courses prior to the first day of class. A student will receive a 100% refund if the college cancels the class or if the student officially withdraws two (2) business days prior to the first class meeting. No refund will be given thereafter. Material fees will not be refunded. Exceptions must be approved by the Continuing and Community Education Director.

The CCE program is self-sustaining and not eligible for waivers. For more information, contact the Continuing and Community Education Office at 360.416.7638 or at communityed@skagit.edu.

Fines and Other Financial Penalties

In order to collect outstanding parking fines, library fines and obligations, or other institutional commitments, the college may refuse to re-enroll a student as is deemed necessary. The student may request an informal hearing on the refusal of services. For more information, see the Dean of Enrollment Services.

Instructional Complaints

If a student feels that they have been treated unfairly inside or outside of the classroom, they may follow the procedures outlined in the Code of Student Rights and Responsibilities. The Code of Student Rights and Responsibilities is found on the SVC web page www.skagit.edu/campus-life/student-life/student-rights-responsibilities. It is also available in the Enrollment Services Office and the Office of Student Life on the Mount Vernon campus, and in the Student Services Office on the Whidbey Island campus.

Skagit Valley College (SVC) offers bachelor's degrees, academic transfer degrees, workforce education degrees and certificates, basic education for adults, and lifelong learning opportunities. SVC is committed to equity as its framework in providing access, supporting achievement, and strengthening the community.

It is the policy of SVC to provide a working and learning environment free from discrimination, harassment, and retaliation. SVC provides a drug-free environment and does not discriminate on the basis of race, color, creed, religion, national origin, sex, sexual orientation, and/or gender identity, pregnancy, genetic information, age, marital status, disability, honorably discharged veteran or military status in its programs and employment.

This policy also prohibits retaliation as a result of an individual filing a report of discrimination or harassment or participating in an investigation of a claim of discrimination or harassment.

This policy applies to all programs and facilities, including, but not limited to, admissions, educational programs, and employment. SVC complies with all Washington State antidiscrimination laws (Chapter 49.60 RCW) and the following federal laws relating to equal opportunity: Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990.

SVC has an open admission policy. Students must apply for admission and register for credit-bearing classes. SVC is committed to providing access, equal opportunity and reasonable accommodation in its services, programs, activities, education, and employment for individuals with disabilities. SVC will take steps to ensure that the lack of English language skills will not be a barrier to admission and participation in all educational programs.

Coordination of the compliance efforts of SVC with respect to equal opportunity and disability accommodation regulations is under the direction of Carolyn Tucker, Vice President of Human Resources/EEO at 360.416.7794 or carolyn.tucker@skagit.edu, 2405 E. College Way, Mount Vernon, WA 98273, for non-discrimination, equal opportunity, affirmative action, or the American with Disabilities Act policies.

SVC and the Disability Access Services (DAS) office are committed to ensuring equal access to all programs, services, and activities for people with disabilities. SVC and DAS are dedicated to working with students, staff, faculty, and community members in developing and implementing the most appropriate strategies and reasonable accommodations for an equitable experience while maintaining the academic standards and integrity of the mission of the college. If you need disability accommodation at an SVC event, please contact Disability Access Services at das@skagit.edu or visit Lewis Hall, room 114 on the Mount Vernon campus.

The following person is the designated Title IX Coordinator: Sandy Jordan, Title IX Coordinator at 360.416.7923 or sandy.jordan@skagit.edu or titleix@skagit.edu, 2405 E. College Way, Mount Vernon, WA 98273, for Title IX/504 compliance.. 24-25-533