CATALOG

2023-2024

EVERETT COMMUNITY COLLEGE

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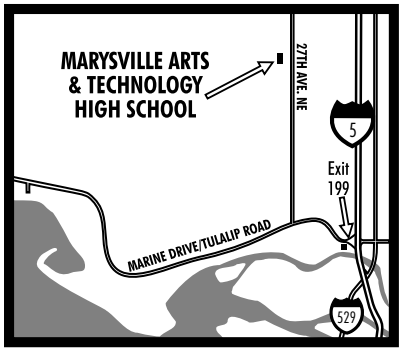
QUICK WEB REFERENCE

Admissions Info and Application Process: **EverettCC.edu/Admissions**
Advising: **EverettCC.edu/Advising**
Bookstore: **EverettCC.edu/Bookstore**
Credit Card Payment: **EverettCC.edu/CreditCardPay**
Consumer Info/Disclosure (HEOA): **EverettCC.edu/HEOA**
ctcLink: **EverettCC.edu/ctcLink**
Curriculum Guides: **EverettCC.edu/Cguides**
Deadlines: **EverettCC.edu/Deadlines**
Departments and Offices Directory: **EverettCC.edu/Directory**
eLearning: **EverettCC.edu/eLearning**
EvCC Tours: **EverettCC.edu/Tour**
External Credit/Transfer Credit Policies: **EverettCC.edu/TransferCredit**
Financial Aid: **EverettCC.edu/FA**
Forms: **EverettCC.edu/StudentForms**
High School Programs: **EverettCC.edu/HSprograms**
Learning Communities: **EverettCC.edu/LC**
Pathways: **EverettCC.edu/Pathways**
Registration: **EverettCC.edu/Classes**
Running Start: **EverettCC.edu/RunningStart**
Student Portal: **EverettCC.edu/MyEvCC**
Testing: **EverettCC.edu/Testing**
Tuition: **EverettCC.edu/Tuition**
University Transfer Information Center: **EverettCC.edu/Transfer**
Veterans' Resource Center: **EverettCC.edu/Veterans**

Photography: Derek Walker

Everett Community College offers various college courses at locations in Snohomish County.

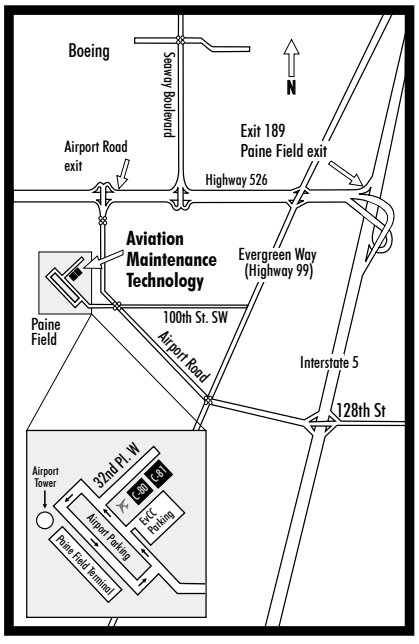


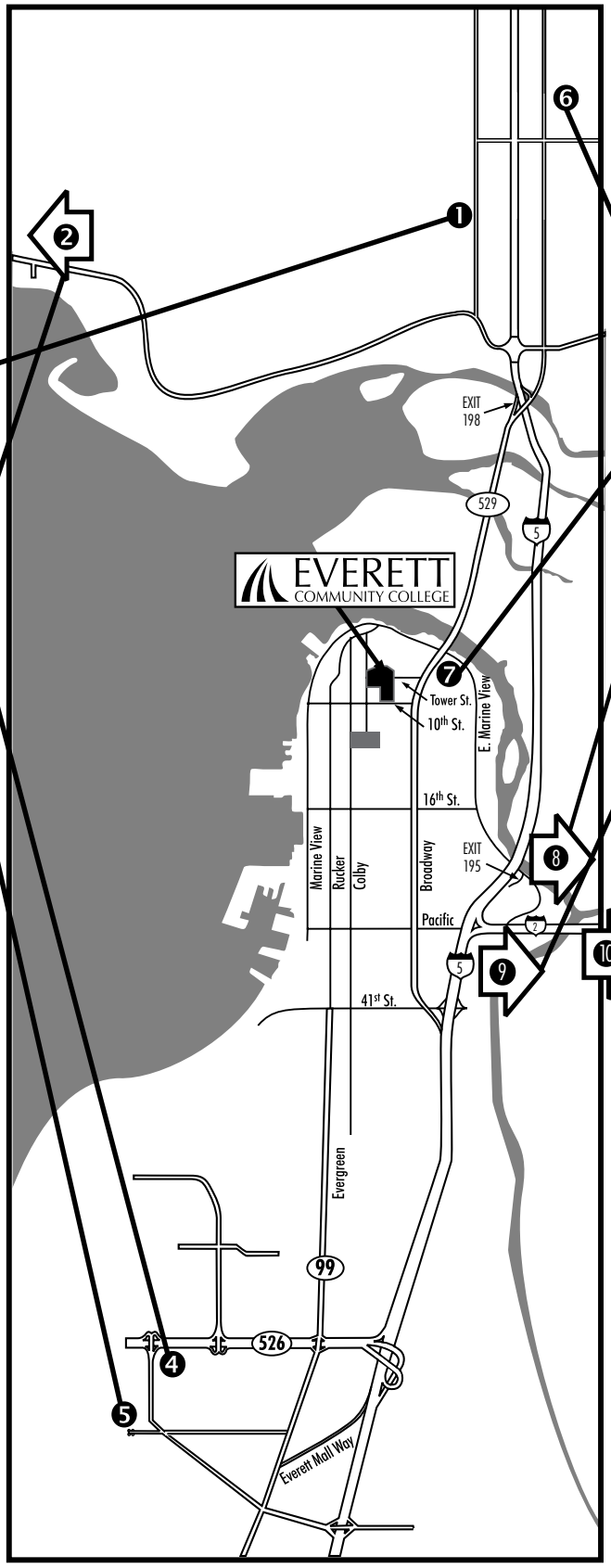
1 MARYSVILLE ARTS AND TECHNOLOGY HIGH SCHOOL
7204 27th Ave. NE, Tulalip WA 98271
360-653-0664

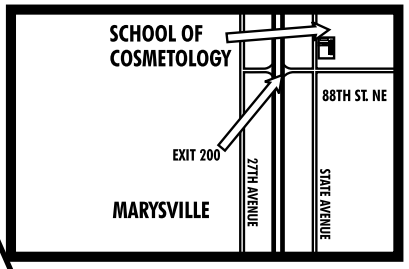
2 TULALIP COLLEGE CENTER
7707 36th Ave NW, Bldgs C and D
Tulalip, WA 98270
360-716-4886

3 SNO-ISLE TECH SKILLS CENTER
9001 Airport Road, Everett, WA 98204
425-348-2220

4 AVIATION MAINTENANCE TECHNOLOGY
9711 32nd Place W., Bld. C-80, Paine Field, Everett, WA 98204
425-388-9533





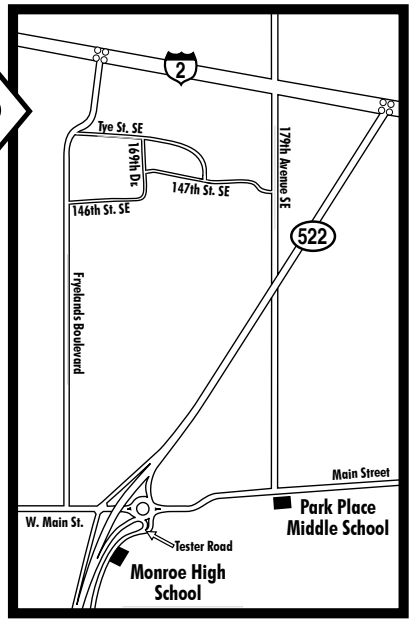


6 SCHOOL OF COSMETOLOGY
9315 G State Avenue, Marysville, WA 98270
425-259-8283

7 ADVANCED MANUFACTURING TRAINING EDUCATION CENTER (AMTEC)
909 N Broadway, Everett, WA 98201
425-388-9110

8 SNOHOMISH HIGH SCHOOL
1316 5th Street Snohomish, WA 98290
360-563-4000

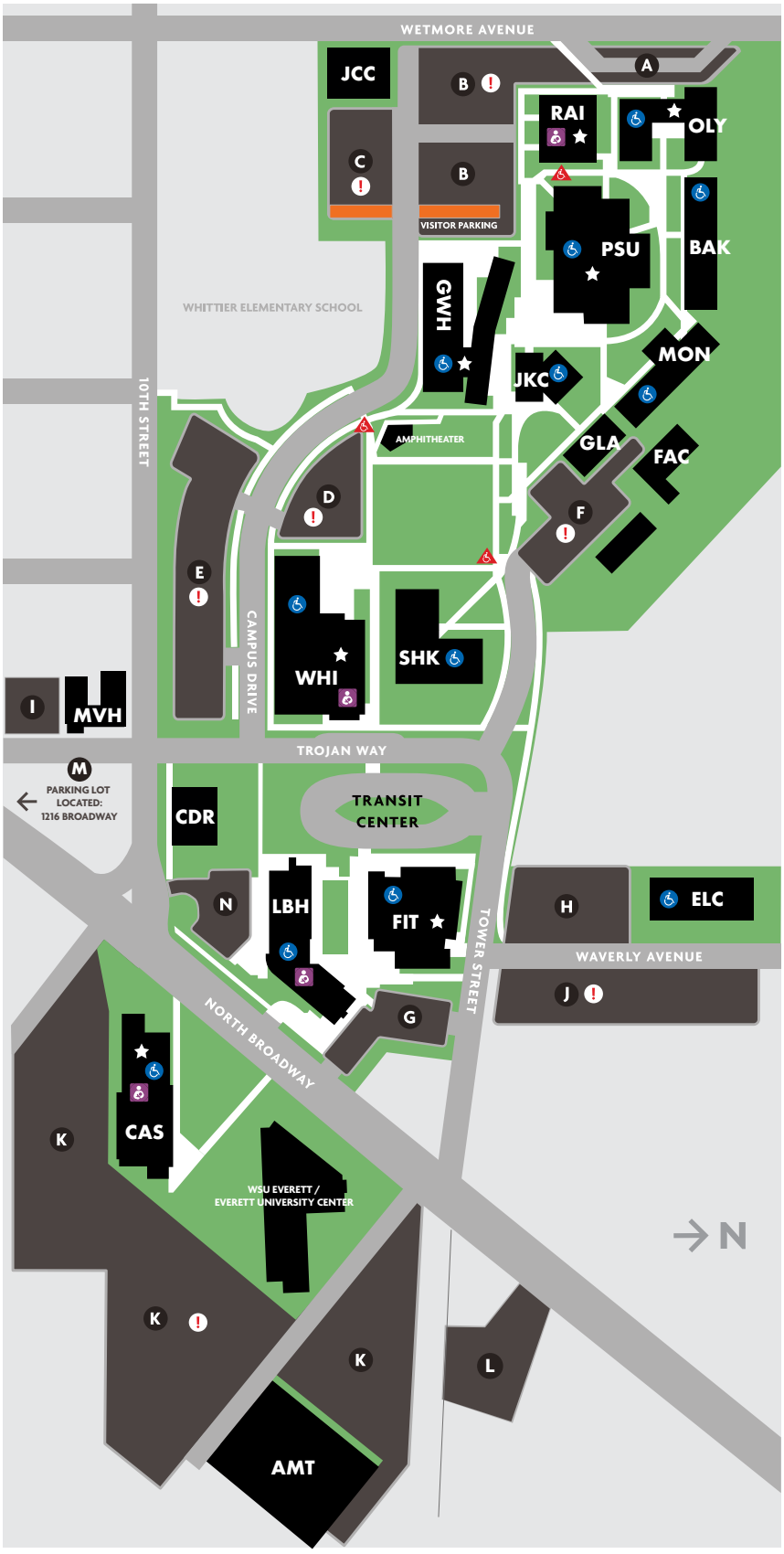
9 GLACIER PEAK HIGH SCHOOL
7410 144th Pl SE
Snohomish, WA 98296
360-563-7500



10 MONROE HIGH SCHOOL PARK PLACE MIDDLE SCHOOL
Monroe High School: 17001 Tester Road, Monroe, WA 98272
Park Place Middle School: 1408 W. Main St., Monroe, WA 98272

Everett Community College Everett Campus

2000 Tower Street, Everett, WA 98201-1390 EverettCC.edu Switchboard/Information: 425-388-9100



Quick Find

ADMISSION / REGISTRATION	PSU
BOOKSTORE	PSU
CASHIER	PSU
FINANCIAL AID	PSU
HUMAN RESOURCES	OLY
LIBRARY	CAS
PRESIDENT'S OFFICE	OLY
COMMUNITY HEALTH CENTER	LBH
TESTING CENTER	GLA

Buildings

AMT	ADVANCED MANUFACTURING TRAINING & EDUCATION CENTER (AMTEC)
BAK	BAKER HALL
CAS	CASCADE LEARNING RESOURCE CENTER
CDR	STUDENT HOUSING CEDAR HALL
ELC	EARLY LEARNING CENTER
FAC	FACILITIES/MAINTENANCE
FIT	WALT PRICE STUDENT FITNESS CENTER
GLA	GLACIER HALL
GWH	GRAY WOLF HALL
JCC	JAPANESE CULTURAL RESOURCE CENTER
JKC	HENRY M. JACKSON CONFERENCE CENTER
LBH	LIBERTY HALL
MON	MONTE CRISTO HALL
OLY	OLYMPUS HALL
PSU	PARKS STUDENT UNION
RAI	RAINIER HALL
SHK	SHUKSAN HALL
MVH	STUDENT HOUSING MOUNTAIN VIEW HALL
WHI	WHITEHORSE HALL

Parking*

PERMIT PARKING
- PARKING LOTS A–M

VISITOR PARKING
- LOCATED IN LOTS B & C

*** PARKING ON CAMPUS IS BY EVCC PERMIT ONLY.**
DAILY PERMITS ARE AVAILABLE AT THE CASHIERS OFFICE OR AT DESIGNATED PAY & PARK STATIONS.

GENDER-NEUTRAL RESTROOMS

ADA RESTROOMS AVAILABLE INSIDE

NOT AN ADA ACCESSIBLE AREA

EMERGENCY ASSEMBLY AREA

LACTATION ROOM

FOR CAMPUS SAFETY CALL:
425-388-9990

Academic Calendar

EVERETT COMMUNITY COLLEGE
www.everettcc.edu

IMPORTANT DATES TO REMEMBER	Summer 2023	Fall 2023	Winter 2024	Spring 2024
Deadline for applying to graduate at the end of this quarter	July 17	Sept. 29	Jan. 16	April 12
Begin Center for Disability Services & Veterans Office approved early registration	May 18	May 18	Nov. 2	Feb. 15
Current students may register on or after their Registration Access Date and Time	May 22-24	May 22-24	Nov. 6-8	Feb. 21-24
Application Deadline for new students to be able to complete "Getting Started" steps and be ready to register on open registration	May 16	May 16	Oct. 31	Feb. 13
Begin open registration for this term.	May 31	May 31	Nov. 14	Feb. 27
Payment deadlines - See below.				
Last day to add classes without instructor permission.	July 2	Sept. 17	Jan. 1	March 31
Official first day of the Quarter	July 3	Sept. 18	Jan. 2	April 1
100% refund deadline. Self-support and non-standard classes have a different deadline. See Class Schedule.	July 11	Sept. 22	Jan. 6	April 7
Last day to register, or add, or drop a class with no record	July 18	Sept. 29	Jan. 13	April 14
50% refund deadline (20th calendar day) Self-support & non-standard classes may not have a 50% refund, or a different deadline. See Class Schedule.	July 22	Oct. 7	Jan. 21	April 20
Deadline to make change to residency for current quarter (30th calendar day)	Aug. 1	Oct. 27	Jan. 31	April 30
Last day to drop with a W or change to audit (8th week) Summer (6th week)	Aug. 10	Nov. 13	Feb. 23	May 24
Classes end	Aug. 24	Dec. 7	March 11	June 7
Final examinations	Last day of class	Dec. 4-7	March 12-15	June 10-13
Grades posted to transcript	Aug. 30	Dec. 13	March 20	June 20
Holidays (College closed)	July 4, Sept. 4	Nov. 10, 23-24, Dec. 25	Jan. 1, 15, Feb. 19	May 27, June 19
No Day or Evening Classes - Campus open	N/A	Nov. 22	N/A	N/A
Commencement	N/A	N/A	N/A	June 14 (Tentative)

	Summer 2023	Fall 2023	Winter 2024	Spring 2024
Deadline to pay tuition and fees for registration. If the deadline has passed, tuition is due within 2 business days.	June 7	Aug. 23	Dec. 5	March 5

Everett Community College does not discriminate based on, but not limited to, race, color, national origin, citizenship, ethnicity, language, culture, age, sex, gender identity or expression, sexual orientation, pregnancy or parental status, marital status, actual or perceived disability, use of service animal, economic status, military or veteran status, spirituality or religion, or genetic information in its programs, activities, or employment. Contact the following people with inquiries or complaints regarding discrimination, Title IX compliance, or Americans with Disabilities Act compliance: Equal Opportunity Director: EqualOpportunity@everettcc.edu, 425-388-9271; ADA Coordinator: ADAcoordinator@everettcc.edu, 425-388-9232; Title IX Coordinator: TitleIXCoordinator@everettcc.edu, 425-388-9271. All offices are located in Olympus Hall 111, 2000 Tower St. Everett, WA 98201. For more information, visit the Equal Opportunity and Title IX website: EverettCC.edu/EqualOpportunity

Accreditation

Everett Community College is accredited by the Northwest Commission on Colleges and Universities (NWCCU), an institutional accrediting body recognized by the Council for Higher Education Accreditation, and the U.S. Department of Education. For further information, contact the Northwest Commission on Colleges and Universities, 8060 165th Avenue N.E., Suite 100, Redmond, WA 98052, phone 425-558-4224. First accredited in 1948, EvCC's accreditation was reaffirmed on the basis of a year seven evaluation report in 2017.

The Registered Nursing program is accredited by the Accreditation Commission for Education in Nursing, (ACEN), 3343 Peachtree Road NE. Suite 850, Atlanta, GA 30326, phone: 404-975-5000, acenursing.org

The Everett Community College Medical Assisting Certificate program is accredited by the Commission on Accreditation of Allied Health Education Programs upon the recommendation of the Medical Assisting Education Review Board (MAERB). Commission on Accreditation of Allied Health Education Programs, 25400 U.S. Highway 19 North, Suite 158, Clearwater, FL, 33756, phone: 727-210-2350.

The Everett Community College Corporate & Continuing Education Center is approved by the Office of the Superintendent of Public Instruction (OSPI) to offer academic clock hours and complies with the Continuing Education Program Approval Standards. Additionally, Continuing Education Units (CEUs) are also available.

EvCC's College in the High School program is accredited by the National Alliance of Concurrent Enrollment Partnerships (NACEP), PO Box 578, Chapel Hill, NC 27514, phone: 919-593-5205.

Vision Statement

Everett Community College serves, educates, and builds communities, one person at a time.

Mission Statement

We educate, equip, and inspire each student to achieve personal and professional goals, contribute to our diverse communities, and thrive in a global society.

Strategic Planning

Belonging

Everett Community College creates an equitable campus culture where students, faculty, staff, and the larger community are valued, welcomed, and actively supported.

GOAL 1.1: Establish structures and practices that promote students' development of social and academic belonging.

Objectives:

- 1.1.1: Assess and revise pathways and program maps to ensure historically underserved students' goals, values, and experiences are represented.
- 1.1.2: Create and sustain opportunities for Native/Indigenous; African/Black; Hispanic/Latino; Undocumented; Pacific Islander; LGBTQ+ students to form student-based organizations to support each other and to access trained mentors.
- 1.1.3: Expand professional development opportunities for faculty that lead to historically underserved students' participation in high impact practices regardless of a chosen program or pathway.

GOAL 1.2: Develop and nurture an inclusive and equitable campus culture.

Objectives:

- 1.2.1: Recruit and retain faculty and staff that reflect the student population and community.
- 1.2.2: Design spaces and services that provide outreach and welcome

historically underrepresented students, faculty, staff, and community members.

- 1.2.3: Develop and implement a professional development program for faculty and staff focused on diversity, equity, inclusion, and anti-racism to inform new and ongoing initiatives.

Student-Ready

Everett Community College rebuilds the current modes and systems of instruction and student services to expand equitable access and opportunities for all students, staff, and faculty to learn.

GOAL 2.1: Build an intentional and supportive environment for students that reinforces that every student is known, respected, and valued.

Objectives:

- 2.1.1: Reexamine policies, practices, and processes to alleviate barriers to student engagement and success.
- 2.1.2: Scale equity-minded support services that center the experiences of students disproportionately impacted by college delivery systems.

GOAL 2.2: Establish balanced modes of delivery to meet varying and diverse student needs.

Objectives:

- 2.2.1: Implement an advising model that leads to student access, persistence, success, completion, and successful transfer and/or placement.
- 2.2.2: Increase accelerated and non-traditional program offerings (e.g. distance learning, prior learning experience/assessment, I-BEST, competency based, evening and weekend programs, and bachelor of applied science.).
- 2.2.3: Expand and implement early intervention strategies to reduce the number of students who stop/drop out.

Sustainability

Everett Community College reimagines and reforms the institution to equitably balance cultural, human, environmental, technological, and financial resources.

GOAL 3.1: Implement a financial stewardship model that promotes transparency, accountability and strategic alignment with equity and social justice values.

Objectives:

- 3.1.1: Align budget planning, allocation, and management with EvCC's Strategic Plan.
- 3.1.2: Grow foundation support for students by designing, developing, and executing comprehensive annual fundraising campaigns and by ensuring equitable transparent processes for accessing foundation resources.
- 3.1.3: Develop a comprehensive long-term Strategic Enrollment Management and Retention Plan founded in equitable practices, based on regular environmental scans, predictive modeling and targeted investment/program development.

GOAL 3.2: Build institutional capacity for equity and social justice through structures, systems, and processes that promote enfranchisement, inclusivity, and dialogue.

Objectives:

- 3.2.1: Develop, retain, and promote a diverse workforce with the skills and experience to meet the needs of EvCC student communities, especially those disproportionately impacted by systemic racism.
- 3.2.2: Implement shared governance to promote transparency, trust and accountability in the decision-making process.

- 3.3.3: Cultivate expertise and leadership on equity issues across all functions of the institution including instruction, equity, student services, administration, finance, facilities, and human resources.

Career-Connected

Everett Community College develops equitable educational opportunities leading directly to the attainment of student aspirations, career mobility, strengthened partnerships, and community vitality.

GOAL 4.1: Develop curricular and co-curricular experiences that support career-connectedness.

Objectives:

- 4.1.1: Incorporate work-based and experiential learning opportunities into every Pathway at EvCC (e.g. prior learning experience/assessment, pedagogies such as course-based undergraduate research experiences, internships, externships, clinical, practicums, capstones projects, and portfolios.).

- 4.1.2: Improve program offerings/programs for students to ensure they are reflective of local/regional needs and emerging trends.

- 4.1.3: Formalize co-curricular learning process(es) and advertise process(es) for all students to know and utilize.

Core Values

Promise: We value, respect, and act on behalf of each student's educational needs and aspirations.

Purpose: We embrace the transforming value of learning for ourselves, our students, and our community.

Progress: We strive always to innovate, improve and advance.

People: We nurture a campus community that is culturally competent and inspired to engage, collaborate, and grow.

Partners: We connect constructively with the communities we are here to serve.

Practice: We model evidence based decision-making, equity and inclusiveness, stewardship, and sustainability.

Learning Outcomes

Student Core Learning Outcomes for certificates and degrees

Analytical Thinking
Students will apply quantitative and/or qualitative reasoning skills to solve problems, evaluate claims and support conclusions.

Effective Communication
Students will individually and/or collaboratively communicate across multiple expressive modes, applying relevant learned knowledge and demonstrating information literacy and research skills.

Equity and Social Justice

Students will evaluate the influence of power and privilege, identify shared and unshared meaning, and/or analyze the sources of their perspectives in advancement of equity and social justice.

About Everett Community College

Founded in 1941, Everett Community College educates more than 15,000 students every year. Students come to EvCC to affordably start their four-year degrees, earn certificates, train for a new job, experience hands-on training in professional and technical programs, learn English, develop basic skills, finish high school, train for a promotion, or to learn for fun. The college offers associate degrees in Arts and Sciences, Science, Business, Applied Science, Technical Arts, Fine Arts, and General Studies, and a bachelor's of applied science degree in Accounting. Certificates of completion are awarded in more than 30

technical and career fields. Students can also enroll in English as a Second Language, high school completion, and General Education Development programs. EvCC also offers professional and employee training through its Corporate & Continuing Education Center.

EvCC faculty and staff work closely with business and industry experts, community leaders and other educational institutions to provide students with relevant, challenging experiences inside and outside of the classroom.

EvCC is one of 34 community and technical colleges governed by the Washington State Board of Community and Technical Colleges. The college is administered by a five-member board of trustees appointed by Washington state's governor. Current trustees are Bob Bolerjack, Dr. Betty Cobbs, Jerry Martin (chair), Toraya Miller, and Kelly Shephard (vice chair). EvCC is led by President Dr. Chemene Crawford.

Locations

EvCC's main campus is located at 2000 Tower Street in north Everett. EvCC also offers classes at its Aviation Maintenance Technology at Paine Field, School of Cosmetology in Marysville, Ocean Research College Academy on the Everett waterfront, and at several other locations in north and east Snohomish County. Coursework is offered cooperatively at the Tulalip College Center.

The quarterly online class schedule lists all courses and their locations. For maps and directions, visit EverettCC.edu/Maps

Ocean Research College Academy

The Ocean Research College Academy (ORCA) at Everett Community College is an interdisciplinary, full-time Running Start program that embeds undergraduate research in general education courses.

This cohort-based learning community blends the Associate of Arts and Sciences degree requirements with high school graduation coursework. A research laboratory and fully outfitted research vessel facilitate student-driven research in the local estuary.

Located at the Everett waterfront, ORCA students collect data on the State of Possession Sound, monitoring water quality and the abundance and distribution of marine life. The nature of science and the search for relevant evidence to support and communicate ideas is infused in all disciplines at ORCA, including English, math, history, and other subjects. For more information visit EverettCC.edu/ORCA or email orca@everettcc.edu

Everett University Center

Students can earn a bachelor's or master's degree on Everett Community College's campus at the Everett University Center. Led by Washington State University, the Everett University Center offers bachelor's and master's degree programs from four universities. Learn more about the programs offered at: EverettUC.org or call 425-405-1600.

University Transfer Programs

Students planning to transfer to another college or university after attending Everett Community College have many options and enjoy the benefits of a long tradition of successful transfer relations between EvCC and universities in Washington state. The college participates in a wide variety of transfer agreements with most colleges and universities in Washington and several in Oregon. The following degree programs are supported by those transfer agreements:

- **The Associate of Arts and Sciences - Direct Transfer Agreement Degree (DTA**) satisfies the lower division general education requirements of most universities in Washington and several in Oregon, and students enter with junior standing. Students who identify their university major can usually complete most prerequisites or lower division requirements for that major at EvCC within the guidelines of the DTA

degree. In fact, for a number of majors it is critically important to complete the lower-division preparatory requirements at EvCC.

- While the DTA degree meets the needs of many students planning to continue their studies in the Arts and Sciences at a university, the **Associate in Science** degree offers an opportunity for students in engineering, biological and physical sciences to focus on prerequisites for their major as well as some of their general education requirements. Most colleges and universities in Washington state accept the Associate of Science under a statewide transfer agreement.
- **The Associate in Business - Direct Transfer** degree provides students who intend to major in business administration or accounting a smooth transfer to several designated universities in Washington.
- **The Associate in Nursing - Direct Transfer** degree prepares students for licensure as a registered nurse, as well as for transfer to a university for entry into a Bachelor of Science in Nursing completion degree.
- **The Associate in Pre-Nursing - Direct Transfer** degree provides students who intend to enter into a basic RN bachelor's degree program a smooth transfer to several designated universities in Washington.
- Alternatively, transfer students in other selected majors may find that our Associate in Arts and Sciences - Option I, and Associate in Applied Science - Transfer offer additional options for tailoring their EvCC coursework for successful transfer.

Professional and Technical Programs

Everett Community College offers many professional-technical programs in high-demand occupations. Short-term training, certificates and Associate in Technical Arts (ATA) degrees provide many options for students seeking to sharpen skills and enter or advance within their careers.

In order to prepare students for employment, all professional-technical areas of study provide courses with content and skills specific to that occupation. In addition, our programs provide students with technology, human relations and communication skills as they relate to the workplace.

The college relies upon advisory committees, made up of representatives from management and labor in the occupational fields associated with each degree, to help develop and maintain innovative courses by incorporating current skills standards and competencies necessary for successful employment. Liaisons with business and industry in researching employment and training needs are also provided.

Rapidly advancing technologies create the possibility that workers will retrain several times during their lifetime. The college collaborates with the Washington State Department of Social and Health Services, Washington State Employment Security Department, Division of Vocational Rehabilitation, Workforce Snohomish, and many community-based organizations in providing training, retraining, and job-skill upgrades. The college works with labor to provide several areas of specific training for apprentices.

Although the primary goal of professional-technical education is to prepare students for immediate employment, students may be able to transfer some of their professional technical course work to a university for further education toward a bachelor's degree.

Many of the professional-technical programs offered at EvCC have transfer agreements with other colleges and universities.

Several of Washington state's community and technical colleges are offering a

four-year program, the Baccalaureate of Applied Science (BAS). These four-year baccalaureate degrees are specifically designed to allow students to earn a bachelor's degree with a specific program of study in a professional/technical vocation.

EvCC has articulated agreements with many of the four-year universities throughout the state and colleges that offer BAS degrees. Completion of an ATA pathway of study may be matriculated to one of these institutions.

Other professional-technical programs have stackable certificates. Stacking different certificates from the same discipline, students may be able to earn a two-year degree with transferability, such as the AAS-T degree.

Additionally, many professional-technical courses are articulated with K-12 programs through the CTE Dual Credit program, formerly known as Tech Prep. Students should check with a program advisor for credit eligibility requirements.

Curriculum guides in all professional-technical areas are available to assist students in planning programs. Refer to the courses section of this catalog for information about programs in your interest area, call Enrollment Services for additional information, or view the curriculum guides on the web at EverettCC.edu/CGuides.

Transitional Studies

Everett Community College offers courses for adults who wish to improve their basic skills, upgrade job employment skills, or prepare for college-level courses. Classes are offered in the day and evening, both on- and off-campus and online. Students can take classes to finish high school, take classes to prepare to take the GED, learn to speak English, and learn basic reading, writing, and math skills.

Corporate & Continuing Education Center

EvCC's Corporate & Continuing Education Center (CCEC) meets business and industry training needs by developing and delivering high-quality customized training, professional development, small business development training, technical training, and personal interest courses. Programs are offered throughout Snohomish County and the Puget Sound region.

CCEC conducts open enrollment, non-credit classes that begin every week and are offered online or during the day, evening and weekend in Snohomish County. Customized training can be delivered on-site at organizations or at any of the CCEC training locations across the region.

CCEC is headquartered in Everett at the Advanced Manufacturing Training and Education Center (AMTEC) at 909 North Broadway, Everett, WA 98201. The Everett location features training rooms, computer labs, an electronics and soldering lab and has ample parking. Visit EverettCC.edu/CCEC for a complete list of training programs and services.

Courses and certificate programs offered in person and online for contract training are part of a partnership between EvCC, Lake Washington Institute of Technology and Cascadia College. Visit EverettCC.edu/Eastside for more information about Eastside training programs and services.

Senior Opportunities

Everett Community College offers a variety of educational and personal enrichment opportunities for seniors age 60 and older in a selection of credit and non-credit classes.

The class schedule of Corporate & Continuing Education Center courses features a number of reasonably priced offerings in computer skills, fitness, writing, world languages, arts and crafts, dance, travel and much more. Many college credit

classes are available to seniors for audit (non-credit) enrollment on a space-available basis for reduced tuition. See the college's quarterly online class schedule for information about utilizing the Senior Citizen tuition reduction program, or contact Enrollment Services.

High School Partnerships

Everett Community College participates in a wide variety of relationships with local high schools, and offers several programs aimed at building the achievement of young students.

EvCC's Diversity & Equity Center and High School Programs departments offer events throughout the year for students in elementary, middle, and high school that engage students in college and career planning, such as Trojan Day and the Students of Color Career Conference.

Enrollment in college courses is provided through dual credit programs such as Running Start, CTE Dual Credit, and College in the High School, all of which help students complete their high school graduation requirements.

Admission processes for these programs differ from regular college admission and are described in the next section of this catalog.

International Opportunities

Japanese Cultural Resource Center

The Japanese Cultural Resource Center (JCRC) is a cultural resource center that consists of a traditional tearoom and a Japanese garden (Nishiyama Japanese Garden).

JCRC provides the foundation for achieving awareness and skills in culture, history, and communication to our campus and global community. The primary mission of JCRC is to bridge Japanese and American cultures.

JCRC hosts cultural exchange programs providing Japanese students with valuable experiences in our community; and American students the resources/opportunities to study in Japan. The Nishiyama Japanese garden is open to the community. Contact the JCRC at, jcrc@everettcc.edu, 425-388-9195, or go to EverettCC.edu/JCRC.

Northwest Language Center and World Languages

The Northwest Language Center (NLC) is directed by language professionals who have excelled at creating and offering a wide variety of innovative programs for world language learning, promoting intercultural effectiveness, and global understanding. The NLC's mission is to help Western Washington communicate with the world.

The NLC offers: international study-abroad and exchange programs, customized on-site Spanish language instruction to meet the needs of local businesses, government agencies and educational institutions, general on-campus conversational workshops in many languages, travel workshops, translation services, interpretation referral services, and educational and entertaining cultural events. Contact the NLC at 425-388-9499, or go to EverettCC.edu/NLC.

Study Abroad

Enrichment, growth, and meaningful learning can be experienced in travel and study abroad. Opportunities for study in the Dominican Republic, Italy, Spain, Japan, and Ecuador are available through EvCC. Visit the study abroad web page at EverettCC.edu/StudyAbroad for more information.

International Student Programs

Everett Community College provides full support to international students through a dedicated office with experienced staff to assist them from entry to graduation and beyond for a successful educational experience.

Any student age 16 or older who has successfully completed a secondary school program in another country or is interested in high school completion at EvCC is encouraged to apply for admission.

EvCC offers an Academic English Language program for international students, as well as specialized advising services, orientation, homestay referrals, international student club, on-campus housing and university transfer assistance. See International Student Admission in the International Education section for more information or visit EverettCC.edu/International.

The Arts at EvCC

EvCC art programs are open to all students; no prior experience or portfolio review is required. EvCC offers individual coursework and full programs of study in photography, studio art (drawing, design, painting, printmaking, ceramics), graphic design and web design, music, theatre, and creative writing.

Students pursuing the Associate in Fine Arts degree select one area of concentration and also complete coursework in at least three related disciplines. The programs emphasize proficiency in the use of tools, techniques and processes, critical thinking, and the ability to communicate verbally and in writing. Students who earn a degree complete the program with a portfolio of work for consideration by transfer institutions, evaluation by potential employers, or for their own personal use.

For more information, visit the arts website at EverettCC.edu/Arts, call 425-388-9501, or email arts@everettcc.edu.

Learning Communities

Learning Communities are created through co-registration (block scheduling) that links two or more existing courses. Students take the courses together and have an opportunity for deeper understanding and integration of the subjects and materials being studied. The communities are usually structured around a theme, allowing students to think critically and to look at issues from multiple perspectives. The format provides greater interaction between students and between students and teachers, and supports students by creating social networks.

Some learning communities are organized around an academic major or program at the college, such as the Ocean Research College Academy (ORCA). Other Learning Communities are organized around a specific interest, such as nonviolence, the stress of social problems, or cultural awareness. Still other Learning Communities link a skill-focused course (e.g., English Composition) with a content-focused class (e.g., Geology).

Some advantages of taking a Learning Community are:

- Since more than one course is shared with the same classmates, the result is a friendly, supportive learning environment in which friendships are easily made.
- Learning Communities increase opportunities to learn more effectively. Assignments are coordinated between the courses, which helps students to manage their time and earn better grades.
- Instructors often focus on a central theme or question. This helps make class discussions and assignments more interesting and stimulating.
- Students learn how to build connections between ideas and disciplines. This not only supports the linked courses, but benefits future study, work, and life situations also.
- Options to learn about and gain skills for the work world are offered through the Service Learning component of some learning communities.

Learning Communities are linked classes, and students seeking to drop one class and not the other must receive written instructor permission to remain in the class. For descriptions of Learning Communities offered each quarter, see the college's online class schedule.

ADMISSION

Getting Started

The Enrollment Services office provides primary entry services to prospective students. Enrollment Services coordinates admission, assessment/testing, and the registration processes. You can also discover more about Everett Community College on our website at EverettCC.edu. Email inquiries may be sent to admissions@everettcc.edu.

Eligibility to Attend

To attend Everett Community College through regular admission and registration, a student must be a high school graduate, have earned a GED, or be at least 18 years of age by the first day of the intended start quarter.

Special admission requirements for students still in high school or under the age of 18 are described below.

Persons who wish to attend EvCC while still in high school may be considered for enrollment through Running Start, CTE Dual Credit, College in the High School, and Special Admission for Underage Students. See those sections on the next few pages for more information about those options. All options require some advance planning and application.

Students age 16 and over who meet the provisions of "Title III-Adult Education Program" may enroll in certain adult basic education classes for the purposes of improving basic skills or completing their high school diploma or GED or participating in English Language Acquisition classes.

Note: There are special admission requirements for international students. Please refer to International Student Admissions for more information.

Note: Some college programs may require a high school diploma, GED, or equivalent for admission.

To gain admission and continue enrollment, a student must be competent to benefit from the curricular offerings of the college as described by the EvCC's Satisfactory Progress, Low Scholarship and Academic Probation policies, and by demonstrating conduct that is not disruptive to the learning environment but is consistent with the purpose of the institution.

Get Started Process Summary

The Get Started checklist is available on EvCC's website at EverettCC.edu/GetStarted, and in handout form in the Enrollment Service office (Parks Student Union, room 201) to assist students in navigating college processes. The Get Started checklist is:

1. Explore our Educational Pathways
Find the right one for you!
EverettCC.edu/Pathways

2. Apply Online for Admission
Your acceptance email or letter will include your ctcLink Student ID number and PIN.
EverettCC.edu/Admissions

3. Find Ways to Pay for College
Learn about your funding options.
EverettCC.edu/WaysToPay

4. Complete Orientation
New students must complete orientation before registering for classes.
EverettCC.edu/Orientation

5. Establish Placement for Classes
Most students need math and English placement before registering for classes.
Everettcc.edu/Placement

6. Complete Entry Advising & Select a Pathway
Students are required to complete entry advising before selecting first quarter classes. See hours and contact information:
EverettCC.edu/Advising

7. Register & Pay for Classes
Register and pay in person or online through ctcLink. See payment deadlines at EverettCC.edu/Deadlines

Admission and Get Started Details

Applying for Admission

New Students: Applications for new students are accepted any time, though we recommend applying at least three months in advance of their intended starting quarter. This will ensure time to complete the "Get Started" steps and be ready to register at the start of open registration. For more information, visit EverettCC.edu/GetStarted.

If it has been more than 4 quarters since a student has applied but never attended, the student will need to re-apply and complete a new application.

Students Returning after an Absence: Students who maintain continuous enrollment do not need to re-apply for admission each term; instead, they receive current student registration access times to register for each upcoming term. Students who have been absent more than four quarters and wish to return need to complete a new application and may register during Open Registration. Please see our Important Dates and Deadlines calendar, EverettCC.edu/Deadlines.

Returning students can find out more information online at EverettCC.edu/Returning.

Admission Procedures for Transfer Students

New transfer students should follow and complete the Get Started at EverettCC.edu/GetStarted.

Students should request official transcripts from other colleges attended to be sent to the Enrollment Services office at Everett Community College. It is your responsibility to contact other institutions and request that transcripts be forwarded to the Enrollment Services office. It is also a good idea to request an additional unofficial copy for your personal records. Your transcripts are used for advising purposes.

If you have college credits that you would like applied toward your EvCC degree program, we will evaluate your official transcripts upon your written request. A Transfer Credit Evaluation Request form is available at EverettCC.edu/StudentForms. The General Transfer Credit Practices section below includes EvCC's Transfer Credit Policies.

EvCC does not count previous grades or credits taken at other institutions in determining registration priority.

Admissible students are sent information about placement, orientation, advising, and registration. See below.

Placement

New students who wish to register for more than seven credits or who are planning to enroll in classes with math and/or English prerequisites must obtain English and math placement prior to registering for classes. Placement requirements assist students and advisors in selecting the right courses for student success. Please visit the placement page for additional information at Everettcc.edu/Placement.

Placement Reciprocity

At all Washington community and technical colleges, system policy states that a student who qualifies for entry into a math or English class, either through course completion or local skills assessment, will be considered to have equivalent placements in those disciplines at every community and technical college in the state even if the course titles may not be exact equivalents. Placement reciprocity is embedded in the placement process here at EvCC.

Mandatory Orientation and Advising

As part of the entry and registration process, orientation and advising are available to newly admitted students.

Orientation is mandatory for all new students and some students who have participated in off-campus college-level courses while still in high school. Students may complete orientation online at their own pace or via Zoom.

Entry Advising is mandatory for all new students. Advisors aid students in planning

their class schedules, selecting a pathway, and identifying goals and success strategies. Degree-seeking students are recommended to meet with their faculty advisor. Visit EverettCC.edu/Advising for information about entry advising and for a list of majors and programs that are exempt from the entry advising requirement.

College Success Course

New degree-seeking students are required to take the college success course. Students may choose between Coll 101 College Success or STEM 101 College success in STEM. During entry advising, students will be advised into the appropriate course for their goals.

Admission Procedures for Selective Programs

Admission to the EvCC does not guarantee admission to a particular program or course like our Nursing or Accounting BAS. Students should consult the program's website or curriculum guide for specific admission requirements for major fields or programs of study. Curriculum guides are available at EverettCC.edu/CGuides.

International Student Admission

Everett Community College welcomes qualified international students. The International Admissions Team will answer questions about the application process and provide services during enrollment. Applications are accepted for all quarters. To apply as an International Student, email the following to intadm@everettcc.edu:

1. Submit an International Student Application (available at EverettCC.edu/International). Aviation, Avionics, Cosmetology and Welding majors have additional admission requirements.

2. Submit official transcript(s) of courses and grades from secondary school (high school) and from college or university, if attended. Students who have not graduated from high school will generally attend the High School Completion program.

3. Submit a current (within the last six months) financial statement certifying the ability to pay for the costs of education and accommodation in the United States for at least one academic year (nine months).

4. Submit $40 non-refundable application fee. This may be paid via U.S. check, money order, or credit card.

5. Submit TOEFL or other English placement alternatives, if available. EvCC does not require prior placement, however, students who have taken alternative English placement tests may be able to use their scores for class placement. The complete list of placement is available online at EverettCC.edu/International.

6. Submit a copy of the student's passport photo page

7. If you are an international student currently attending college in the United States, you must also submit a Transfer In Verification Form (available at EverettCC.edu/International), a copy of the visa page of your passport, and a copy of all previously issued I-20s.

EvCC is authorized under federal law to enroll non-immigrant students. Inquiries should be addressed to: Everett Community College, International Education Office, 2000 Tower Street, Everett, WA 98201-1390, U.S.A. Send email to intadm@everettcc.edu. Our website has additional information for international students, including local information, homestay and student housing options, student activities, and more. Go to EverettCC.edu/International.

Dual Credit Programs and Underage Admissions

EvCC has a variety of options for students currently in high school, or in some cases no longer in high school, to participate in college courses.

Running Start

The Running Start program provides tuition-free, college-level courses for high school juniors and seniors to take at one of our EvCC campuses or online.

Credits earned through EvCC may be used to meet both high school and college requirements. While attending college classes, services and activities, except financial aid and athletics, are available.

To qualify for Running Start, a student must:

- be under 21 years of age;
- be enrolled as a junior or senior in a Washington state public high school;
- have earned less than enough credits for a high school diploma as of the beginning of the year; and
- submit the Running Start application online and qualifying placement documentation.

Interested students should contact their high school counselor to discuss the Running Start program. Information is also available at EverettCC.edu/RunningStart or via email at runningstart@everettcc.edu.

College in the High School

College in the High School (CHS) is a cooperative program between local school districts and the college.

EvCC's College in the High School program is accredited by the National Alliance of Concurrent Enrollment Partnerships, nacep.org.

The CHS program allows high school students the opportunity to earn EvCC college credit while simultaneously earning their high school credit for approved advanced high school courses. The courses are taught by qualifying high school teachers who work closely with EvCC faculty mentors to ensure that the work that the students perform in the high school course is equivalent to the EvCC course.

The courses are transferable to most universities and are often related to Advanced Placement offerings in the high school. Students receive college credit and grades upon successful registration with the college. Starting in September 2023, there is no cost to students for College in the High School. Questions about the College in the High School program may be directed to collegeinhs@everettcc.edu, or go to EverettCC.edu/CHS.

CTE Dual Credit

High school students can earn college credit for successfully completing high school courses taught in their high school through EvCC's Career and Technical Education (CTE) Dual Credit program.

High school students register in select vocational and technical courses that meet performance standards and are eligible for college credit. Registration is completed through the SERS for CTE Dual Credit: ctesers.org/Account/StudentLogin. College credit can be received if students formally request to have their college class transcribed and they earn at least a C grade.

CTE Dual Credit courses prepare students for post-secondary education or a career that gives them a foundation for entering a globally diverse workforce. For more information students are encouraged to speak to their teachers or their counselor.

Students may also email cte@everettcc.edu. A full description of this program is available at EverettCC.edu/CTEDualCredit.

Special Admission for Underage Students

During Fall, Winter and Spring quarters, students who are under the age of 18, who have not completed high school or a GED, and who are not in the Running Start program, may enroll upon approval from the Outreach & High School Programs office for special admission. Application for special admission must be submitted at least two weeks prior to the quarter. Contact the Outreach & High School Programs office at 425-388-9040.

SummerSmart

Summer quarter offers many opportunities for students under the age of 18 who have not yet earned their high school diploma or GED. Enrollment in classes for either personal interest or to meet high school requirements is allowed following placement. Go to EverettCC.edu/SummerSmart

TRANSFER CREDIT POLICIES

Everett Community College recognizes academic credits earned at other regionally accredited post-secondary institutions. Equivalencies are assessed based on academic level and core learning outcomes. Courses that do not have a clear match to our catalog courses are assigned a non-catalog course number (777/888/999), to allow credit to be awarded within a specific academic discipline. Other sources of education, such as nationally accredited institutions, prior learning experiences, or tests may be considered, as described in one of the five options below.

Credentials Evaluations are processed for students who have previously attended or are currently registered for classes at Everett Community College.

To request for a Credentials evaluation, a student needs to submit a Transfer Credit Evaluation Request form (at EverettCC.edu/StudentForms), along with sealed, official transcripts. Credentials evaluation takes about 4-6 weeks, so early action is recommended. Contact Enrollment Services for more information.

Transcripts submitted to EvCC will not be released to either the student or another entity.

General Transfer Credit Practices

An official credit evaluation is completed based on official transcripts and records; an official transcript is one that is produced and sealed by the originating institution and delivered or mailed unopened to the Enrollment Services office.

At this time, EvCC only accepts electronic transcript submission through the sending school's 3rd party transcript delivery services, e.g. National Student Clearinghouse, Parchment services, or from within the Washington state community and technical college system.

Because completion of at least 30 EvCC credits are required for eligibility for an associate degree, a maximum of 60 quarter credits may be applied as transfer credit toward a degree. A maximum of two-thirds of the credits required for a certificate may be applied as transfer credit.

Only those credits that meet certificate or degree requirements may be applied.

Semester credits earned at another college or university are converted to quarter credits on a basis of 1.5 quarter credits for each semester credit. For example, 3 semester credits = 4.5 quarter credits.

EvCC does not grant credit for religion or theology courses that are sectarian in nature. Credit for life or work experience, or advanced standing, given by another institution is not transferable to EvCC. Transfer credit will not be awarded for duplicate coursework.

For certain programs, some credits may be non-applicable due to their age.

Generally, only lower-division (100 and 200-level) coursework (or equivalent) will be considered. Exceptions may be granted on a case by case basis.

Awarded transfer credits from transcript evaluation will not be shown on the EvCC transcript - only the total number of transfer credits awarded and the name of the institution from which the credits came will be shown. Details of the transfer credits can be found in the Transfer Credits page or Academic Advisement Report in the ctcLink and Starfish Degree Planner. Awarded transfer credits do not count towards the student's EvCC GPA.

Articulation and Reciprocity

EvCC subscribes to the statewide policy on inter-college transfer and articulation among Washington public and private colleges and universities endorsed by the public and private colleges and universities of Washington and the State Board for Community and Technical Colleges and adopted by the Washington Student Achievement Council. This policy deals with the rights and responsibilities of students and the review and appeal process in transfer credit disputes. For more detailed information, contact Enrollment Services.

Washington community and technical colleges (CTCs) offer reciprocity to students transferring within the CTC system who are pursuing the Direct Transfer Agreement (DTA) degree or the Associate in Science - Transfer (AS-T) degree. Students who completed an individual course that met distribution degree requirement(s) or fulfilled entire areas of their degree requirements at one college will be considered to have met those same requirements if they plan to complete the same degree when they transfer to another community or technical college in Washington. These degree requirements include Communication Skills, Quantitative Skills, or one or more Distribution Area requirements.

If courses do not transfer as expected, contact the credit evaluator in Enrollment Services about the reciprocity review. The policies and procedures can be found on our website, EverettCC.edu/TransferCredit, or in the Enrollment Services office.

Transfer Credit Options

1. Credit from Regionally-Accredited Colleges and Universities

Credits from regionally-accredited colleges and universities may be applied toward any of our certificates and degrees, meeting either Distribution Area requirements or electives, at the discretion of the credential evaluator and/or program advisor.

2. Nationally-Accredited Post-Secondary Institutions

Transcripts from schools which are not regionally accredited, but are accredited by national agencies, such as the Accrediting Commission of Career Schools and Colleges of Technology, Distance Education and Training Council, and the Association for Biblical Higher Education, may be reviewed and considered for credits.

A maximum of 60 credits for courses completed at nationally-accredited post-secondary schools may be applied toward EvCC's non-transfer degree/certificates (Associate in Technical Arts, Associate in General Studies, Associate in Fine Arts and Associate in Arts and Science – Option 1) in the non General Education area.

For university transfer programs (DTA): Credit is applicable only to the "B" list electives (15 credits maximum). Be aware that some other colleges and universities may not accept these credits.

3. International Colleges and Universities

Credits from non-U.S. colleges and universities, recognized within their educational systems, may be applied toward any of our certificates and degrees, meeting either requirements or electives, at the discretion of the credential evaluator and/or program advisor.

An initial evaluation is required to be completed by an outside evaluation agency that is a member of NACES. They will require an official copy of your transcript, and their report will need to be submitted to EvCC. Please also submit an official transcript, as well as a copy of the catalog or course descriptions to EvCC.

The Enrollment Services office can provide more details about this process and how to contact one of these agencies. More information is available at EverettCC.edu/TransferCredit.

4. Credit by Testing

AP, CLEP, IB, and CI (Advanced Placement Examinations, College Level Exam Program, International Baccalaureate Examinations, and Cambridge International Examination)

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arts/or program advisor.

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 exam credits.

Please see page 183 for new information about EvCC's policy to assign academic credit for prior learning. The Board of Trustees approved a new policy on June 20, 2023.

Advanced Placement Examinations (AP)

Official Score reports are required. For Score Reports, please visit collegeboard.org

Examination	Score	EvCC Equivalency	Quarter Credits
Art-Art History	3, 4, or 5	ART& 100	5
Art-Studio Drawing	3	Elective (A)	5
Art-Studio Drawing	4, or 5	ART 115	5
Art-2D Design	3, 4 or 5	Hum Distribution	5
Art-3D Design	3, 4 or 5	Hum Distribution	5
Biology	3, 4 or 5	BIOL& 100	5
Calculus AB	3, 4, or 5	MATH& 151	5
Calculus BC	3, 4, or 5	MATH& 151 and 152	10
Chemistry	3, 4	CHEM& 121/161	5/ 5.5
Chemistry	5	CHEM& 161 and 162	11
Chinese Lang & Culture	3, 4	CHIN& 121	5
Chinese Lang & Culture	5	CHIN& 121 and 122	10
Computer Science A	3		
Computer Science A	4 or 5		
Computer Science AB	3, 4, or 5		
Comp Sci Principles	3, 4, or 5		
Economics (Macro)	3, 4, or 5		
Economics (Micro)	3, 4, or 5		
English - Lang & Comp	3	Elective	5
English Lang & Comp	4, 5	ENGL& 101	5
English - Lit & Comp	3, 4, or 5	Humanities	5
Environmental Science	3	ENVS& 100	5
Environmental Science	4, 5	ENVS& 101	5
French - Language	3	FRCH& 121	5
French - Language	4	FRCH& 121 and 122	10
French - Language	5	FRCH& 121, 122, 123	15
French - Literature	3	FRCH& 121	5
French - Literature	4	FRCH& 121 and 122	10
French - Literature	5	FRCH& 121 ,122, 123	15
Geography - Human	3, 4, or 5	GEOG 777S	5
German - Language	3	GERM& 121	5
German - Language	4	GERM& 121 and 122	10
German - Language	5	GERM& 121, 122, 123	15
Government & Pol US	3	Elective	5
Government & Pol US	4, 5	POLS& 202	5
Government – Comparative	3	Elective	5
Government – Comparative	4, 5	POLS& 101	5
History - American (US)	3	HIST& 146	5
History - American (US)	4 or 5	HIST& 146 and 147	10
History - European	3	HIST 111	5
History - European	4 or 5	HIST 111 and 112	10
History – World	3, 4 or 5	HIST 103	5
Italian - Lang	3 or 4	ITAL& 121	5
Italian - Lang	5	ITAL& 121 and 122	10
Japanese - Lang	3 or 4	JAPN& 121	5
Japanese - Lang	5	JAPN&121 and 122	10
Latin Literature	3, 4 or 5	Hum Distribution	5
Latin Lit/Culture	3, 4, or 5	Hum Distribution	5
Latin Virgil	3	Elective (A)	5
Latin Virgil	4	Hum Distribution	5
	5	Hum Distribution	10
	3, 4, or 5	MUSC& 105	5
	, or 5	MUSC& 141	5
	3	PHYS 777	5
	4 or 5	PHYS& 114	5
	3	PHYS 777	5
Physics 2	4 or 5	PHYS& 115	5
Physics B	3, 4 or 5	PHYS 777	5
Physics C (Mech)	3	PHYS 777	5
Physics C (Mech)	4 or 5	PHYS& 241 and 231	5
Physics C (E&M)	3	PHYS 777	5
Physics C (E&M)	4 or 5	PHYS& 243 (no lab credit)	4
Psychology	3	Elective (A)	5
Psychology	4 or 5	PSYC& 100	5
Spanish - Language	3	SPAN& 121	5
Spanish - Language	4	SPAN& 121 and 122	10
Spanish - Language	5	SPAN& 121, 122, 123	15
Spanish – Lit & Culture	3	SPAN& 121	5
Spanish – Lit & Culture	4	SPAN& 121 and 122	10
Spanish – Lit & Culture	5	SPAN& 121, 122, 123	15
Statistics	3, 4 or 5	MATH& 146	5

Please see page 183 for new information about EvCC's policy to assign academic credit for prior learning. The Board of Trustees approved a new policy on June 20, 2023.

College Level Exam Program (CLEP)

Official Score Reports are required. For official reports, please visit collegeboard.org

*Students must submit the written portion of the exam to be graded for consideration for credit for ENGL& 101.

Please note that some other colleges and universities may not accept these credits. For transfer degrees, credits awarded for CLEP generally can only be applied as B List (Restricted) Electives, maximum 15 credits.

CLEP Examination	Min.Score	EvCC Equivalency	Quarter Credits
Financial Accounting	50	ACCT& 201	5
Financial Accounting	65	ACCT& 201 and 202	10
Principles of Management (Needs culminating project)	50	BUS 200	5
Principles of Marketing (Needs culminating projec			5
American Literature			5
Analyzing & Interpreting Lit (Must write and submit the optional essay)			5
English Literature (Must write and submit the optional essay)	50	ENGL 229	5
College Composition Modular	50	ENGL& 101*	5
History: US I	50	HIST& 146	5
History: US II	50	HIST& 148	5
History: Western Civilization I	50	HIST 111	5
History: Western Civilization II	50	HIST 112	5
Humanities	50	HUM& 101	5
Information Systems and Computer Applications	50	IT 101	5
French	51	FRCH& 123	5
French	63	FRCH& 123 and 223	10
German	51	GERM& 123	5
German	65	GERM& 123 and 223	10

Please see page 183 for new information about EvCC's policy to assign academic credit for prior learning. The Board of Trustees approved a new policy on June 20, 2023.

Spanish	51	SPAN& 123	5
Spanish	67	SPAN& 123 and 223	10
College Mathematics	50	MATH& 107	5
College Algebra	50	MATH 138	5
Precalculus	50	MATH& 141	5
Calculus	50	MATH& 151	5
American Government	50	POLS& 202	5
Introductory Psychology	50	PSYC& 100	5
Human Growth and Development	50	PSYC& 200	5

International Baccalaureate

Official IB Score reports are required.

IB SL/HL Exam	Score	EvCC Equivalency	Credits
African History			5
African History			5
American History			5
American History		148	5
Language A			5
Arabic A,	5 or above	World Language	5
Chinese A,			
French A,			
Japanese A,			
Russian A,			
Spanish A			
Language B	4	Elective (A)	5
Arabic A,	5 or 6	World Language	5
Chinese A,	7	World Language	10
French A,			
Japanese A,			
Russian A,			
Spanish A			

Please see page 183 for new information about EvCC's policy to assign academic credit for prior learning. The Board of Trustees approved a new policy on June 20, 2023.

Art/Design	4	Elective (A)	5
	5 or above	Humanities distribution	5
Biology	4	Elective (A)	5
Biology	5 or above	BIOL& 100	5
Business & Management	4 or above	Elective (A)	5
Chemistry	4	Elective (A)	5
	5	CHEM& 121 or 161	5
	6 or 7	CHEM& 121 or 161, or 162	5
Computer Science	4 or above	Elective (A)	5
Design Tech	4	Elective (A)	5
	5 or above	ENGR& 104	5
East/Southeast	4	Elective (A)	5
Asia & Oceania	5 or above	HIST 999	5
History			
Economics			5
			5
			10
English A			5
Literature			5
English A	4	Elective (A)	5
Language & Literature	5 or above	ENGL& 101	5
European	4	Elective (A)	5
History	5 or above	HIST 111 or 112	5
Geography	4	Elective (A)	5
	5 or above	GEOG 777S	5
Global Politics	4 or above	Elective (A)	5
Information	4 or above	Elective (A)	5
Technology			
Mathematics	4	Elective (A)	5
	5 or 6	MATH& 142	5
	7	MATH& 151	5
Further Mathematics	4	Elective (A)	5

Please see page 183 for new information about EvCC's policy to assign academic credit for prior learning. The Board of Trustees approved a new policy on June 20, 2023.

	5 or above	MATH& 151	5
Music	4	Elective (A)	5
	5 or above	MUSC& 105	5
Philosophy	4	Elective (A)	5
	5 or above	PHIL& 101	5
Physics	4	Elective (A)	5
	5 or above	PHYS& 114, 115, and 116	15
Psychology	4	Elective (A)	5
	5 or above	PSYC& 100	5
Social & Cultural	4	Elective (A)	5
Anthropology	5 or above	ANTH& 206	5
Sports,	4 or above	Elective (A)	5
Exercise & Hlth Science			
Theatre	4	Elective (A)	5
			5
Visual Arts			5
			5

Please see page 183 for new information about EvCC's policy to assign academic credit for prior learning. The Board of Trustees approved a new policy on June 20, 2023.

CI – Cambridge International Examination

The chart included on this page represents course equivalencies awarded for each Cambridge International (CI) exam score and recognized by all community and technical colleges in Washington. Colleges may award additional credits based on local policies, when appropriate, but should not award course equivalency credit for scores lower than those listed in this table.

4.60.53 Cambridge (CI)

Washington state community and technical colleges will award unrestricted elective credit for a Cambridge (CI) score of E on A and AS level exams. Credit will be awarded on the basis of official CI results, not transcript notation. Credits granted for general education or major requirements [illegible] the receiving institution's CI credit policies; otherwise, elective credit will be granted. Requirements of the Associate of Arts (AA) General Transfer degree allow ten (10) credits maximum from any single department for Humanities Social Sciences and Natural Sciences distribution requirements. A maximum of five (5) credits of World Language can be used for Humanities distribution.

For Cambridge exams that are not listed here (Afrikaans, Arabic, Divinity, Hindi, Hinduism, Information Technology, Islamic Studies, Law, Portuguese, Tamil, Travel & Tourism, or Urdu), please contact your college's Office of Admissions or Enrollment Services.

Name	Exam	Minimum Credit
Accounting	A Level	ACCT& 201, ACCT&202, and ACCT&203 (15)
Accounting	AS Level	General electives (5)
Art & Design	A Level	Humanities Distribution in art (10), and general electives (5)
Art & 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		ge (10) and humanities distribution (5)
Chinese - Language		World language (7.5)
Classical Studies		s Distribution (10), and general electives (5)
Classical Studies		nities 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 & Design	A Level	Humanities Distribution (10) and general electives (5)
Digital Media & Design	AS Level	Humanities Distribution (7.5)
Drama	A Level	DRMA&101 (5), humanities (5) and general electives (5)
Drama	AS Level	DRMA&101 (5), and general electives (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)

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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	GERM&121, GERM&122, and GERM&123 (15) ...UW gives primarily 300-level credit
German - Language		...anities distribution (5)
Global Perspectives and Research		General electives (15)
Global Perspectives and Research		General electives (7.5)
History	A Level	...ial science distribution in history (10 in one or 5 in each) and general electives (5 to 10)
History	AS Level	Humanities or social sciences 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)
Mathematics - Further	AS Level	Mathematics electives (7.5)

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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&114, PHYS&115, and PHYS&116 (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 (5), social science distribution in sociology (5), and general electives (5)
Sociology		ution in sociology (7.5)
Spanish		AN&121, 122, and 123 (15)
Spanish - Language		General electives (7.5)
Spanish - Literature		anities 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)

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5. Extra-Institutional Learning

Military Training

EvCC uses recommendations made by the American Council on Education as a guide when evaluating military training and education records. Request your Joint Services Transcript at jst.doded.mil

Upon your request, they will send a copy to us.

For the U.S. Air Force, please go to Community College of the Air Force (CCAF) at www.airuniversity.af.edu/Barnes/CCAF.

A maximum of 60 credits for military training and education may be applied toward EvCC's Associate in Technical Arts, Associate in Fine Arts and Associate in Arts and Science – Option I as meeting requirements. A maximum of 60 ungraded credits may be [illegible] the Associate in General St[illegible] associate degrees designa[illegible] university transfer, military [illegible] exception of limited Physic[illegible] credit, is generally applica[illegible] list electives.

Per VA regulations, student[illegible] education benefits must submit official military transcripts and all previous college transcripts for transfer credit evaluation. VA does not pay for repeated credits.

Approved Certificates and Training Programs – Fee: $33.70

EvCC has reviewed certain professional programs which are recognized regionally or nationally. These include: Paraprofessional Education Experience, A&P licenses, Child Development Associate certificates, Fire Fighting certificates, Department of Justice Training certificates, Washington State Criminal Justice Commission, Emergency Management Training (EMT) certificates, Microsoft certificates, and CompTIA A+ certificates.

Clear criteria have been established for assigning credits for these programs, therefore further review/assessment is unnecessary. There is a non-refundable $33.70 fee to transcribe these credits, per student, per program of study.

For university transfer degrees (DTA): Generally, credits are applicable only as "B" list electives (15 credits maximum). Exceptions may be granted on a case by case basis.

For EvCC's non-transfer programs (Associate in Technical Arts, Associate in Fine Arts and Associate in Arts and Science – Option I): A maximum of 60 credits may be used to meet program requirements or electives.

For an Associate in General Studies: A maximum of 45 ungraded credits may be applied.

[illegible]me other colleges and [illegible]not accept these credits.

[illegible]icates or professional [illegible]ces that occur through [illegible]g programs or [illegible]tutes may be reviewed [illegible]h the Prior Experiential [illegible]o Review) process.

6. Course Challenge – Fee: $254.21

Students who have significant learning from training programs or life experience may find it more expedient to consider course challenges. For more information, consult our credit evaluators in Enrollment Services. For a full description of the course challenge process, please see the section on Credit by Examination.

7. Prior Experiential Learning (Portfolio Review)

Fees: $112.36 base fee + $28.09 for each credit you wish to pursue, whether awarded or not. (example: 5-credits = $252.81 fee) This fee is non-refundable, whether credits are awarded or not.

Through a portfolio review, a student may be able to receive college credit for

Please see page 183 for new information about EvCC's policy to assign academic credit for prior learning. The Board of Trustees approved a new policy on June 20, 2023.

knowledge you have gained outside an accredited higher education institution.

This can include, but is not limited to, previous experiences in management, manufacturing, apprenticeships, as an employee, a business owner, an information technology or computer specialist, a skilled volunteer or hobbyist. These skills may be comparable or equivalent to credit courses offered at Everett Community College.

To have this training/learning reviewed, a student must submit any official and/or original training records/certificates, as well as supporting documentation that includes the following: content, level, time period, hours, location, method of instruction, instructors, method of evaluation, and achievement. Since training programs do not generally yield a tra
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to determine whether the training/experience is comparable to college-level programs. Credit is also contingent upon whether the training is able to meet current industry standards. The non-refundable fee is payable before the assessment begins.

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How credits apply:

For university transfer degrees (DTA): Generally, credits are applicable only as "B" list electives (15 credits maximum). Exceptions may be granted on a case-by-case basis.

For all other non-transfer programs (Associate in Technical Arts, Associate in General Studies, Associate in Fine Arts and Associate in Arts and Science – Option I): A maximum of 22.5 credits may be applied.

Please be aware that some other colleges and universities may not accept these credits.

To start the portfolio review process, contact Enrollment Services at credeval@everettcc.edu.

REGISTRATION

A student becomes officially enrolled in a class by registering for it. The registration process includes selection of classes, submission of a completed class registration form or completion of our online registration process, and payment or billing of tuition and fees. All previous fines and debts to the college must be paid before a new registration may be accepted. Detailed registration procedures are available at EverettCC.edu/Classes.

Registration times for currently enrolled students are assigned prior to each registration period; the assigned times are based on cumulative credit hours earned at Everett Community College.

Students that have completed:

- 58+ credits will be assigned the 1st day
- 16 - 57.9 credits will be assigned the 2nd day
- 0 - 15.9 credits will be assigned the 3rd day
- Students that have only taken Transitional Studies classes will be assigned the 3rd day

Completed classes are recorded on a student's EvCC transcript.

Students who have not attended EvCC within the past four quarters need to re-apply and can register during open registration, as long as there are no registration blocks on their account and they meet all class prerequisites.

For some classes, the permission of the instructor is required before registering. Once the quarter begins, instructor

permission is required to register in any class.

Students receiving services through the Center for Disability Services (CDS) may be eligible for priority registration. Students must contact the Center for Disability Services at 425-388-9272 at least six weeks prior to the beginning of the quarter in which enrollment is desired. Students who are unable to meet the six-week deadline may enroll in the same manner as other students; however, necessary aids may not be available.

Students receiving services through the Veterans' Resource Center may be eligible for priority registration. The Veterans' Resource Center staff determines eligibility.

Waitlists

When a class reaches its enrollment capacity, a waitlist may be established. Please note that not all classes will have a waitlist. As spaces become available in the class, the student may be moved from the waitlist into the class; standard tuition deadlines apply if this results in an additional tuition charge.

Students are responsible for monitoring their waitlist status through ctcLink. Waitlists move students into classes until the day before the start of the quarter. Once the quarter has started, waitlists are frozen and all movement into classes is through instructor permission. Students can no longer join a waitlist once the quarter has started.

Students who do not move from the waitlist into the class prior to the start of class must attend the first class meeting in order to guarantee consideration for moving from the waitlist into the class. For online classes, students can email the instructor for consideration to move from the waitlist into the class.

Waitlists are purged by the third day of the quarter.

Instructors may give students a permission code to register for the class after the quarter starts. Or students may submit written instructor permission within 2 business days to the Enrollment Services office or forwarded to registration@everettcc.edu in order to be enrolled in the class from the waitlist.

Full-time Status

For financial aid recipients, veterans, insurance, and all other enrollment verification purposes, full-time status is defined as enrollment in a minimum of 12 quarter-hour credits in a given term.

Part-time status is enrollment in 11 credits or less per term. Half-time status enrollment is 6 to 11 credits.

Note: For Summer quarters only, the Veterans' Office establishes the minimum credits needed for full-time status for veterans.

First Week Enrollment and Withdrawal Policy

During the first week of the quarter, it is important that students attend all classes for which they are registered.

For in-person classes, a student who does not attend by the beginning of the second class meeting in the quarter and who has not made prior arrangements with the course instructor, may be dropped from the course immediately at the beginning of the second class meeting at the discretion of the instructor.

For online classes, a student who does not log on to the class by the end of the second day of the quarter, and who has not made prior arrangements with the course instructor, may be dropped from the course at the discretion of the instructor.

If a student does not notify the instructor or the division office of their absence, that student may be withdrawn from class. The college does not always, however, withdraw the student for non-attendance.

A student who is not withdrawn by the college or does not officially withdraw themselves may be issued a failing grade

by the course instructor, based on non-attendance.

Note: Students withdrawn by the college during the first week under this policy will receive a refund of tuition and fees, if due. Students who are not withdrawn by the instructor, or who do not withdraw themselves, are not eligible for a refund. See the tuition and refund policy in the next section. Students are responsible for ascertaining their class registration status.

Changes of Schedule (Add/Drop)

Schedule changes can be made online via ctcLink, by completing an add/drop form in the Enrollment Services office, or by emailing registration@everettcc.edu.

Students can add classes via the online registration system through the end of the day before the start of the quarter.

Students can drop classes online until the day before the sixth instructional day (fourth day for Summer quarter) for a full refund and no record on their transcript. Classes can be dropped online through the 8th week of the quarter (6th week for Summer). Please refer to EverettCC.edu/ImportantDates for refund and registration deadlines.

When a student withdraws from a class, the date the Enrollment Services office receives the completed add/drop form or the date of the electronic transaction is the official date of the withdrawal. All transactions must be completed by the deadline date.

Students are advised to consult EverettCC.edu/ImportantDates for the last day to add or drop classes. Most classes fall under the regular schedule of deadlines, but some self-support classes and some classes with early/late start and end times may have different deadlines. The college's refund policy applies only to students who withdraw officially. See Tuition and Fees Refund Policy.

Simply failing to attend a class does not constitute a drop or withdrawal. Students who wish to avoid a failing grade, or who wish to qualify for a refund, must submit a Change of Schedule (add/drop) transaction by the stated deadline.

Students with questions about the procedure of dropping a class should contact the Enrollment Services office.

TUITION, FEES AND RESIDENCY

Estimated Quarterly Tuition and Fees 2023 - 2024

All rates are subject to change. Current rates may be found on EvCC's website at EverettCC.edu/Tuition. Tuition and fees are paid at the time of registration or by the deadline stated for that registration period. Students who are receiving financial aid from the college, or who have a third party paying their tuition and fees, must contact the Cashiers Office directly to assure the accuracy of their student account.

Undergraduate Tuition

Credits	Resident	Non-Resident Tuition Reduction	Non-Resident*
1-10	122.76 per credit	184.36 per credit	317.13 per credit
11	1,288.17	1,906.52	3,239.81
12	1,348.74	1,969.44	3,308.32
13	1,409.31	2,032.36	3,376.83
14	1,469.88	2,095.28	3,445.34
15	1,530.45	2,158.20	3,513.85
16	1,591.02	2,221.12	3,582.36
17	1,651.59	2,284.04	3,650.87
18	1,712.16	2,346.96	3,719.38
19	1,823.03	2,506.42	4,024.62
20	1,933.90	2,665.88	4,329.86

*Students who are not eligible for resident tuition, but who are permanent residents or citizens of the U.S. living in Washington may be eligible for the Non-Resident Tuition Reduction rate. See Residency below.

Baccalaureate Tuition

Credits	Resident	Non-Resident Tuition Reduction	Non-Resident*
1-10	239.28 per credit	360.94 per credit	673.88 per cred
11	2,404.68	3,672.32	6,751.60
12	2,416.56	3,735.24	6,764.40
13	2,428.44	3,798.16	6,777.20
14	2,440.32	3,861.08	6,790.00
15	2,452.20	3,924.00	6,802.80
16	2,464.08	3,986.92	6,815.60
17	2,475.96	4,049.84	6,828.40
18	2,487.84	4,112.76	6,841.20
19	2,715.23	4,448.80	7,503.19
20	2,942.62	4,784.84	8,165.18

Tuition for enrollment in Transitional Studies and English Language Acquisition is $25 per quarter.

Special Fees

Most students in college-credit courses will be charged:

1. A technology fee of $4.50 per credit, up to a maximum of $45 per quarter,

2. A Campus Enhancement fee of $5 per credit, up to a maximum of $50 per quarter, and

3. A Green fee of $.50 per credit, up to a maximum of $7.50 per quarter.

Some courses also have special fees for equipment, lab, services, etc.; these fees are listed in the quarterly online class schedule with the course.

The college may charge fees for services such as parking or insurance, etc. Some courses, for which the college does not receive state financial support, charge a class fee, which is added to the total amount of tuition and fees due regardless of the tuition charged for other courses.

Tuition Reduction Programs

State employees and designated educators in the K-12 system may register on a reduced tuition basis beginning the first day of the quarter. Registration prior to the first day of the quarter disqualifies a person from this special tuition reduction. Payment is required for lab fees, special fees, books and other supplies. Tuition reduction is not allowed for Writing Lab, Community Service, Corporate & Continuing Education, self-support classes, special projects, and other courses for which the college has special expenses.

EvCC also offers reduced tuition for seniors (age 60+) who wish to audit classes (for no credit) and for other persons in special categories such as veterans, dependents of deceased or disabled veterans, refugees and students in our high school completion program. The Enrollment Services office can provide more detailed information on the qualifications for tuition reduction. Registration prior to the first day of the quarter disqualifies a person from this tuition reduction.

Tuition reduction is also available for eligible veterans, and for the spouses and children of disabled and deceased veterans. Eligibility is determined through the EvCC Veterans' Resource Center in Baker Hall, room 203/204.

Information about other tuition reduction programs is available through the Enrollment Services office.

Residency

The college determines applicants' residency at the time they apply for general admission. Non-resident students pay a higher tuition rate than resident students do. All other students are considered to be non-residents for tuition-paying purposes. Some visa and immigration statuses are eligible for resident tuition rates with requested support documentation. Qualifying non-resident students may apply for resident tuition once they make Washington their permanent residence for at least 12 months. Please contact the residency coordinator in Enrollment Services or visit our website for additional information at EverettCC.edu/Enrollment/Tuition/Residency.

U.S. citizens and permanent residents living in Washington who are not yet eligible for residency in Washington state may be eligible for a partial tuition reduction. Contact Enrollment Services for more information.

Any current non-resident student who wishes to be reclassified as a resident student must complete a Residency Questionnaire and submit supporting documentation for determination of eligibility. Applications for reclassification in the current quarter must be submitted to the Enrollment Services office before the 30th calendar day of the quarter.

If the college discovers an error in the student's residency status during the quarter, the Registrar will determine whether additional tuition and fees are due.

The college may change residency tuition rates to non-resident rates for future quarters if evidence shows the student no longer qualifies for in-state tuition. Students will be given an opportunity to provide supporting documentation to maintain resident tuition rates.

Tuition Payment

By registering, students assume responsibility for payment.

Non-attendance does not constitute a reason to avoid payment. Students must pay their tuition and fees by the deadline as announced on EvCC's Important Dates and Deadlines webpage, EverettCC.edu/ImportantDates.

Registration and refund deadlines may differ for classes that don't adhere to standard start and end dates; this is also true for self-support classes which have a separate fee structure. Other courses that may have different applicable deadlines include, online, correspondence, telecourse, some language and arts courses. The college reserves the right to bill the student for unpaid tuition and fees incurred by registration and/or to cancel registration of unpaid students.

Returned checks, canceled credit cards, employer refusal to pay, ineligibility for financial aid and other reasons for non-payment may result in disenrollment, a direct bill to the student, and/or referral to a collection agency.

Registration in Corporate & Continuing Education and other self-support programs requires immediate payment.

Students who intend to have their tuition paid through financial aid or other third party, such as an employer, must arrange for the timely completion of those processes to meet the payment deadline.

When in doubt about payment status, contact the Cashiers Office at 425-388-9225.

Tuition may be paid via the EvCC's Cashiers office. Credit card payment can also be made online via ctcLink. Visit EverettCC.edu/Cashiers for payment details.

EvCC offers a tuition payment plan that provides students time and flexibility to pay their tuition and fees to EvCC by splitting the amount owed into three payments, plus a one-time $10 processing fee. Contact the Cashiers Office or visit EverettCC.edu/Cashiers for more information and eligibility requirements.

Tuition and Fees Refund Policy

Tuition and fees refer to full general tuition, operating fees, service and activities fees, technology fees, class fees and lab fees. Some fees are not refundable.

A refund of tuition and fees is made only when a student officially withdraws from a class or from the college and is based upon the refund policy. Date and time of receipt of the add/drop form in the Enrollment Services office or of an electronic transaction using our online registration system establishes the rate at which refunds will be made.

The refund schedule varies depending on the type of class. Refund dates are listed at EverettCC.edu/ImportantDates. Refunds

can take up to five weeks to process. Refunds for under $10 will only be processed with a written request from the student.

State-supported classes that begin during the first week of the term

If a student withdraws from a college course or program before the sixth day of the regular quarter (Fall, Winter and Spring quarters), they will receive a 100% refund. For example, if Fall Quarter begins on Monday, then the deadline for 100% refund is Sunday. During Summer quarter, the 100% refund deadline is at the end of the 4th business day of the term.

The 50% refund deadline is at the end of the day on the 20th calendar day of the term. Calendar days are defined as weekdays, weekends and holidays.

To receive a full or partial refund after paying, or to avoid being billed for the full or partial amount of tuition, you must submit an official withdrawal by these dates.

State-supported classes that begin before or after the first week of the term

Deadlines are prorated, depending on the length of the course. Please call 425-388-9076 to determine the prorated deadline. In general, it is wise to withdraw before the first day if your plans have changed.

Self-support classes

Self-support classes are usually distinguished by a comprehensive class fee that is different from state regulated tuition. For some self-support classes, cancellations need to be made at least 4 working days prior to the first class in order to receive a refund. For some classes, the specific refund deadline is listed in the online class schedule.

Refund Process

Students should allow 30 days for a refund to be processed. For students receiving federal financial aid, the tuition refund will be calculated in accordance with state and/or federal law. These formulas are published in the Financial Aid office's policies/procedures manual. Affected students will be notified of the calculation used at the time a tuition refund is applied to their accounts.

Petitions for exceptions to the refund policy must be submitted to the Enrollment Services office prior to the end of the quarter in which tuition and fees were paid.

Students who wish to be considered for a refund beyond regular deadlines must withdraw from the courses, and submit this petition with supporting documentation.

The following circumstances are given the strongest consideration: a call to active military duty due to national emergency, a severe and unexpected illness which began during the term and precludes any and all activity, and death of an immediate family member.

Fines and Debts

The college may block registration and/or withhold other services until all outstanding fines and debts to the college are resolved.

Outstanding debts are eventually referred to a collections agency; students will be responsible for collection fees, court fees, and attorney fees.

STUDENT RECORDS

Student Identification Numbers

EvCC assigns a nine-digit number as the primary student identification number (ctcLink SID number). To comply with the Taxpayer Relief Act of 1997, EvCC must also obtain your correct social security number (SSN) to file returns with the Internal Revenue Service (IRS) and to furnish an annual statement to you that contains information about tuition and fees that may qualify for Hope Scholarship or Lifetime Learning tax credit.

The Privacy Act of 1974, section 6109 of the Internal Revenue Code, requires that you

give your correct SSN to agencies, which must file information returns to the IRS. For more information, please refer to Internal Revenue Code Section 6050S. EvCC also uses your SSN to support verification of your enrollment, degree(s) and transcripts, administer financial aid, collect student debt, and conduct research.

When conducting studies or using agencies to support records transactions, EvCC will only use your SSN in a manner that does not permit personal identification of you by other than authorized representatives.

By providing your SSN, you are consenting to the uses described above. However, you are not required to consent to the use of your SSN for research; if you choose not to do so you will not be denied access to EvCC. You may revoke your consent at any time by writing to the Enrollment Services office.

Transcripts

An official transcript is a copy of the student's academic record bearing the college seal and the signature of the Registrar from Everett Community College. Upon request, a sealed copy of an official transcript may be given to the student or delivered directly to the receiving party from Everett Community College.

An unofficial transcript is an unsigned and unsealed copy of the student's record and is used primarily for advising purposes.

For information on how to purchase an official transcript or access an unofficial transcript, please visit EverettCC.edu/Transcripts. EvCC will not accept transcript requests by fax, email, or by telephone.

Confidentiality of Student Records

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include:

1. The right to inspect and review the student's education records within 45 days of the day the college receives a request for access. Students should submit to the Enrollment Services office written requests that identify the record(s) they wish to inspect. The college official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the college official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's text-based education records that the student believes inaccurate or misleading.

Students may ask the college to amend a record that they believe is inaccurate or misleading or otherwise in violation of the student's privacy rights under FERPA. Students should write to the college official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the college decides not to amend the record as requested by the student, the college will notify the student of the decision and advise the student of their right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing. Please note: Separate policies apply for requests for a grade change.

3. The right to provide written consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

One exception, which permits disclosure without consent, is disclosure to school officials with legitimate educational interests.

A school official is a person employed by the college in an administrative,

supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the college has contracted (such as an attorney, auditor, collection agent, verification agency, web portal company, etc.); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing their tasks.

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

Upon request, the college may disclose education records without consent to officials of another school in which a student seeks or intends to enroll, and to military recruitment services pursuant to the Solomon Amendment.

The college is also required to provide information to the federal government regarding students who may be eligible for the Hope Scholarship and Lifetime Learning tax credit programs. The college does not disclose education records to family members without student written consent.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures of this college to comply with the requirements of FERPA.

Everett Community College is authorized under FERPA to release only directory information, which includes a student's:

- name,
- major field of study,
- quarters of attendance (not specific days),
- degrees and certificates earned,
- term,
- honors status,
- enrollment status (full time or part time), and
- participation in officially recognized sports.

This information may be released by the college at any time unless the college has received prior written notice from the student, filed in the Enrollment Services office, requesting non-release of information. All other information may be released only upon the written consent of the student unless described in section (3) above.

Emergency Messages

The college will attempt to deliver a message to a student during a class in case of a medical emergency. Given the size of the college, limited staff, and the nature of student schedules, requests for the college to deliver other messages to students cannot be accommodated.

Requests to deliver an emergency message to a student should be made to the Security Office, 425-388-9998.

STUDENT FINANCIAL SERVICES

Student Financial Services is committed to providing quality services to meet the needs of a diverse student population by offering financial resources and services to promote access to education and enhance student success.

Financial Aid

The Financial Aid office helps eligible degree- and certificate-seeking students obtain funding to meet their educational expenses at Everett Community College. We want you to succeed.

Application Process

The Financial Aid office provides financial assistance to individuals who have completed the financial aid process and are eligible for aid as determined by the Free Application for Federal Student Aid (FAFSA) or Washington Application for State Financial Aid (WAFSA). For more

information regarding eligibility requirements visit EverettCC.edu/FA

Processing an application and receiving an offer of aid can take approximately 8 to 12 weeks. It is important to apply well in advance of the anticipated start date.

To be considered for maximum funding, students need to submit their FAFSA and complete required EvCC paperwork by the priority deadlines for the following academic year, which starts in Summer. (Applications are reviewed every quarter on a funds-available basis.) Please visit EverettCC.edu/ImportantDates

Assistance in completing the process is available in the Financial Aid office.

Types of Financial Aid Available

EvCC participates in the following federal and state financial aid programs: Federal Pell Grant, Federal Supplemental Education Opportunity Grant, Federal Work Study, Federal Direct Loans, Washington State Need Grant, College Bound, Passport to College Promise Scholarship, Washington State Work Study, EvCC Grant, and Tuition Waiver.

Note: Tuition waivers do not pay for lab fees, technology fees, parking fees, or class fees charged for self-support classes.

Financial aid programs can be divided into three broad categories: grants, work study, and loans.

Grants require no repayment.

Work study is part-time employment on/off campus with an hourly pay rate.

Loans are repaid, with interest, usually after a student ceases to be enrolled at least half-time (6 credits).

Aid recipients usually receive a combination of aid types. Aid awarded focuses on direct educational expenses: tuition, books, supplies, and transportation. Indirect costs such as room/board and childcare are also considered.

Tuition Hold Process

Financial Aid office holds are typically given if a student meets the priority filing deadline for each quarter with other eligibility requirements. For more details, please contact the Financial Aid office.

Academic Progress

Financial aid recipients are expected to maintain satisfactory academic progress.

Grades are monitored on a quarterly and annual basis, and the student must complete all of their classes with a minimum number of credits with a 2.0 cumulative grade point average to be in good standing. Students who complete less than half of their attempted classes will lose their aid. All previously attempted college credits are also evaluated, regardless of whether the student received financial aid.

Students may be allowed to attempt 150 percent of college level credits that are required for their degree. A maximum of 45 credits will be allowed for required preparatory coursework.

Please refer to EverettCC.edu/FA for complete Satisfactory Academic Progress policies.

Return of Title IV Funds

Financial aid recipients who drop out of school or complete zero credits may be required to repay all or a portion of federal aid received.

If you have specific questions about this federal requirement, contact the Financial Aid office to review the policy. Future aid will be terminated and students must appeal for reinstatement.

Financial Aid Census Date and Repayment Policy

The complete Financial Aid Census Date and Repayment Policy is available online. Students are encouraged to visit the Financial Aid Office to ask about the

impact of dropping classes before making changes to their schedule.

The Financial Aid Office uses an "enrollment lock" date for Federal Pell Grant, Washington College Grant, College Bound Scholarship, and Passport to College Promise funds. The "lock" date is also known as the "census date."

The census date is the 10th business day of the term, except for summer which has a census date of the eighth business day. Through this date, college policy allows students to drop classes without a grade of "W." Tuition refunds may also be issued for courses dropped following the Everett Community College Refund Policy.

Schedule changes made through the census date may have different impacts. Factors to consider include whether aid from the grant programs locked at census have already been disbursed, and whether classes were added or dropped.

Adding Classes and Census

Financial aid funds are increased for enrollment level changes from adding eligible courses through the census day. Additional funds awarded are applied toward payment of charges for classes added, and any remaining balance is refunded through BankMobile Disbursements, a technology solution, powered by BMTX, Inc.

Dropping Classes and Census

Financial aid funds are reduced when enrollment level changes from dropping eligible classes through the tenth day. This will result in repayment owed to Everett Community College and/or the state aid program(s) depending on the funding type.

Scholarships

A variety of scholarships are made possible by the college, through community organizations, and by donations from individuals.

Eligibility requirements vary. Some are based on financial need, some on academic merit, and others may depend on your program of study.

EvCC Foundation scholarship applications are available every February for the following academic year. Information about regional and national scholarships is posted on the financial aid website as it becomes available at EverettCC.edu/FA.

The Financial Aid Office is located on the top floor of the Parks Student Union; phone 425-388-9280. The website is EverettCC.edu/FA. In-person financial aid assistance is available at the Express Enrollment Center, main floor of the Parks Student Union.

Opportunity Grant Program

The Opportunity Grant program provides educational training for low-income students pursuing careers in high-wage and high demand occupations. The program offers funding for up to 45 credits for any of the approved programs.

In addition to tuition/mandatory fees, the program also assists students with up to $1,000 for books, supplies, and/or tools per year.

The Opportunity Grant program provides individual assistance, career advising, and guidance to students to explore other resources throughout the college.

For more information, contact Opportunity Grant at 425-259-8925 or by email at opportunitygrant@everettcc.edu

Veterans' Resource Center

The Veterans' Resource Center serves as a liaison between EvCC and the U.S. Department of Veterans Affairs.

Everett Community College has been approved by the VA as meeting the Principles of Excellence. A representative is available to assist veterans and activate all veterans' educational benefits.

A determination of eligibility by the VA and receipt of first month's benefits can take four to six weeks, so students should apply well in advance of their anticipated start date if they are planning to use their benefits to pay for initial costs (e.g. tuition and books).

In order to maintain benefits, veteran students must keep the veterans' advisor apprised of enrollment plans each quarter and are required to follow VA regulations pertaining to standards of conduct and academic progress.

Information packets, applications, and assistance for all veterans' programs are available from the EvCC Veterans' Resource Center staff. The Veterans' Resource Center staff are located in Baker Hall, room 203, phone 425-388-9277 or by email at veterans@everettcc.edu.

Note: Many of EvCC's programs of study are jointly approved by the Washington State Achievement Council (WSAC) and the Workforce Training Coordinating Board for enrollment of persons eligible to receive educational benefits under Title 38 and Title 10 USC.

Veteran tuition waivers are available to those who qualify. Waivers range from 25 percent to 100 percent. For more information, contact the Veterans' Resource Center at 425-388-9277 or visit the office during regular business hours. The website is EverettCC.edu/Veterans

Everett Community College complies with the Veterans Benefits and Transition Act, section PL 115-407:

1. 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;
- 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

Workforce Funding

The Workforce Funding department's mission is to increase opportunities for adult learners by providing access to financial resources through grant programs. We contribute to the college's retention efforts by providing wrap-around support services to our students to foster educational excellence.

WorkFirst

WorkFirst is a program that supports low-income students in building their self-efficacy through ongoing case management and an interactive life transition program that emphasizes their skills. WorkFirst also provides assistance with tuition and books for students ineligible for federal financial aid or whose financial aid is pending. WorkFirst also has support funds available to help with other school-related expenses such as school supplies, transportation costs, and emergency expenses.

To qualify for WorkFirst, students must be receiving Temporary Assistance to Needy

Families (TANF). Students must be in an approved program of study, which includes GED, High School Completion, or vocational certificate/degree programs. Students should start the process by talking to their DSHS case manager, who will then refer the student to the EvCC WorkFirst staff.

Basic Food Employment and Training Program

The Basic Food Employment & Training (BFET) program is a partnership between Everett Community College and the Department of Social and Health Services (DSHS) which offers education and work training opportunities to students receiving federal basic food assistance (SNAP) through DSHS.

On a funds available basis, the BFET program assists participants with tuition, books, and emergency support for students ineligible for financial aid or whose financial aid is pending while attending Everett Community College. BFET participants receive child care referrals to Working Connections Childcare (DCYF). Students must be in an approved program of study, which includes GED, High School Completion, ELA/ESL, vocational certificate programs, Associates in Technical Art degrees, and most transfer degrees.

Worker Retraining

EvCC works in partnership with the Employment Security Department (ESD) to provide job training for people who are dislocated workers or laid-off. Worker Retraining is a "jump-start" funding source providing assistance with tuition, fees, and potentially books, tools, supplies and emergency funds.

Students must be in an approved program of study, which includes GED, High School Completion, ESL or vocational certificate programs and select Associates in Technical Arts/Associate of Applied Arts degrees.

To find out if you may be eligible, please complete a short survey at StartNextQuarter.org.

Employment Security

EvCC contracts with WorkSource to provide an Employment Security representative to EvCC students. Our ESD representative can assist with completing the paperwork to attend school and collect unemployment benefits at the same time (CAT/TB applications).

To receive assistance, please contact Worker Retraining at workerretraining@everettcc.edu or 425-259-8755.

Trade Act

The Trade Adjustment Assistance (TAA) program was created to provide benefits and support to workers who became unemployed due to the impact of international trade.

The TAA program seeks to provide U.S. workers who are adversely affected by trade with the opportunity to obtain the skills, resources, and support they need to become reemployed. An adverse effect includes a job loss or threat of job loss.

For information about this program or for assistance with completing TAA paperwork, contact Worker Retraining at workerretraining@everettcc.edu or 425-259-8755.

Service Learning

Service learning is a hands-on/application-based teaching method characterized by student participation in organizational service activities that are connected to specific learning outcomes.

NON-WORK STUDY EMPLOYMENT OPPORTUNITIES

Job Center

The Workforce Funding office offers free assistance to students in locating non-Work Study employment opportunities. These services are available to current and former students, alumni and the community.

Job openings are received daily for both the public and private sector and for local, state and national employers. These jobs are posted in our customized job database.

For more information about the Job Center, visit EverettCC.edu/JC. EvCC also co-sponsors job fairs. Visit the Job Fair website at snocojobfair.com for more information.

Internships

Workforce Funding acts as a clearinghouse for internships for students whether they are required, optional, or exploratory for a certificate or degree. For more information, call 425-388-9278.

STUDENT SUPPORT SERVICES

Advising

Everett Community College advisors partner with you to identify the necessary courses and steps to accomplish your goals while using your resources efficiently. You are expected to meet with an advisor and to use printed and online resources to understand your requirements and to monitor your progress.

Advising is mandatory for all new students. Steps to academic success include: 1) Select a pathway, 2) Meet with an advisor prior to first quarter registration, 3) Enroll in a College Success class your first quarter unless this requirement was waived during Entry Advising, 4) If you are undecided about your program of study/degree, seek support through the Counseling & Student Success office, 5) Establish a relationship with your program advisor and continue to get advising.

Advisors are available in Rainier Hall, room 108 and online via zoom for entry advising, interpreting placement results, and assistance with first-quarter registration. Full-time and senior associate faculty serve as program advisors to current students.

For more information about advising, go to EverettCC.edu/Advising.

Information sessions and workshops offered throughout the year can help students learn about program requirements and options; dates and times are listed on EvCC's website at EverettCC.edu.

Pathway Information and degree checklists are available for students at EverettCC.edu/Pathways

The Bridges Center

The BRIDGES Center is a resource hub for pre-college students; it provides many resources from free language skills training, information, support and advocacy services to students. The center's services are the I-BEST program, volunteer literacy tutoring program, and GED in Spanish.

The center works closely with other resources on campus and in Snohomish County. We cater our programs in supporting students in their future pathways and prepare students to enter the workforce with a culturally competent mindset as future employees.

Cascade Learning Resource Center

The Cascade Learning Resource Center is located at 1001 N. Broadway, next to the Washington State University-Everett building.

The Center for Transformative Teaching and eLearning

The Center for Transformative Teaching and eLearning empowers faculty professional growth through onboarding for new faculty, workshops about new technologies and teaching techniques, certification for different modes of instruction, and individual consultations, all with an emphasis on strategies to increase student success and equitable outcomes. We offer training and support for instructional practice and education technology, especially our Learning Management System (Canvas), with an emphasis on assessment, assignment design, anti-racist teaching practices, alternative grading strategies, and open educational practices. We partner with students on projects related to teaching and organizational development.

The eLearning Department supports EvCC's in-person, online (asynchronous and synchronous), hybrid, and optional face-to-face or online classes as well as the college's learning management system (Canvas), and other educational technologies.

Online courses replace all face-to-face time with online instruction. All or nearly all course activities and interactions between students and instructors are performed online (except for some classes requiring on-campus or proctored exams).

Hybrid courses replace a portion of face-to-face time with online instruction. The remaining portion of the course takes place on campus.

Optional F2F or OL (also called "flex" or "hyflex")courses provide students with the option of attending sessions in-person (face-to-face) in the classroom, participating online, or doing both.

Students should have strong organizational, reading, and writing skills to do well in online, hybrid, and web-enhanced courses, as well as reliable access to the internet.

For questions, support, and resources for educational technology at EvCC call 425-388-9027 or 1-866-575-9027, email elearning@everettcc.edu or visit our website at EverettCC.edu/eLearning.

Russell Day Gallery

Russell Day, a faculty member from 1948 to 1974, established the visual arts program at the college and was dedicated to bringing works of varied artists, media, and movements to the students of Everett Community College. In recognition of this influence, the gallery was re-named for him in 2008.

The gallery has a specific interest in displaying the work of artists from underrepresented groups, alumni of EvCC, and providing exhibits that are not generally accessible to the public through other regional galleries.

For more information, email gallery@everettcc.edu, call 425-388-9036, or visit the website at EverettCC.edu/Gallery.

Library Media Services

EvCC's Library-Media Center provides information and services to support student research and learning.

Resources include more than 65,000 books, 6,500 media items, 180,000 electronic books (eBooks), online access to approximately 35,000 full-text periodicals, and 85 periodicals in print format. Over 100 computer workstations provide access to the Internet and electronic resources. Participation in a regional interlibrary loan network further expands resources for students.

Faculty librarians assist students by helping them to locate information, complete class assignments, and to develop research skills. In addition to individual assistance from the reference desk, librarians teach instructional sessions, non-credit workshops, and credit courses.

There are individual study carrels, casual lounge areas, and media listening/viewing stations throughout the Library-Media Center. Students may reserve study rooms for group projects and discussion.

Wireless internet connectivity is available in the library and laptop computers may be checked out for in-library use. Students may check out netbook computers, Chromebooks, Wi-Fi hotspots, and graphing calculators for a full quarter of use. Photocopiers, black and white and color printing, scanning, and adaptive equipment for students with disabilities are available for use.

Call 425-388-9353 for library hours and to renew materials. Call 425-388-9354 for reference assistance, or email library@everettcc.edu. Visit EverettCC.edu/Library to connect to the library catalog, use remotely-accessible databases, and for other information about library services and resources.

Tutoring

The Tutoring Center is a safe, creative study and learning environment committed to the success of each student at Everett Community College.

The Tutoring Center provides a friendly, supportive environment in which students may ask questions, find answers and network with other students. Professional and peer tutors help students develop learning skills, master course content and improve academic performance.

Academic support is provided in several formats: drop-in tutoring for one-on-one help, tutor-facilitated study group sessions, supplemental instruction/embedded tutoring for specific courses and online tutoring through the Northwest eTutoring Consortium.

Computers are available for students to use in a variety of ways. They can work on online homework, type papers, perform online research, use instructional software or access different websites for additional exercises in STEM and Accounting courses. Handouts for several subjects are available that provide students with explanations and practice.

Tutorial services are free to all enrolled students at EvCC. Students may access services only in the courses they are currently enrolled in at EvCC for credit.

Writing Center

The Writing Center, located online in Canvas and on campus in Cascade Learning Resource Center, provides support for student writers for all types of writing projects in any subject. Students also use the Writing Center for personal writing, resume, and scholarship application essays.

Writing Center assistants work collaboratively with writers offering feedback and providing ideas and methods for editing and revising in order to provide writers with transferable skills that will help them on future writing projects.

The Writing Center offers free drop-in and online tutoring. The Writing Center provides additional resources like dictionaries, grammar handbooks, textbooks, handouts, and writing exercises.

Center for Disability Services

The Center for Disability Services (CDS) assists students with documented disabilities to establish and receive academic accommodations while attending Everett Community College. Accommodations may be approved for testing, classroom access such as lecture capture, physical campus access such accessible classrooms, American Sign Language interpreters, alternative formats

texts, assistive technology and other accommodations as determined through an interactive process with the student. Available accommodation(s) in higher education and the determination process are significantly different from the K-12 system. For more information, please visit our website at EverettCC.edu/CDS

Prospective students are encouraged to fill out a New Student Accommodation Application at andes.accessiblelearning.com/EverettCC/ApplicationStudent.aspx and submit it to the CDS office for review before the beginning of the quarter. Information on supporting documentation requirements is available online on the CDS website. Once the CDS receives your application, we will call you within two business days to schedule an intake appointment, either in-person or virtually. Students who are either seeking or already approved for accommodations such as books in alternative format text (AFT) or American Sign Language (ASL) interpreters should submit their requests or application early enough to have their intake appointment at least six weeks prior to the start of classes, because these accommodations can take time to coordinate and fulfill them.

Please contact CDS if you have any questions. The Center's office is located in the Parks Student Union, room 268 (across the hall from the Bookstore), or staff may be reached at 425-388-9272 voice or for Deaf/HoH: VP at 425-320-4066. You may also email cds@everettcc.edu.

Counseling and Student Success

Counseling and Student Success (CSS) offers appointments with professional counselors to currently enrolled students.* Appointments are free and include educational counseling, career counseling, short term personal & mental health counseling, and help with urgent concerns. Counselors assist students to develop plans for success. They offer academic advising for students in the Human Services transfer program as well as those who are undecided about their program of study. Counselors also offer referrals to campus and community resources and provide outreach and consultation/training to faculty and staff.

*Please note that returning students are welcome to make appointments for academic/educational counseling.

Appointments: For further information about CSS or to schedule an appointment with a counselor, please contact us:

- Email: counseling@everettcc.edu
- Phone: 425-388-9263
- Office location: Parks Student Union, 3rd floor
- CSS webpage: EverettCC.edu/CSS

CSS counselors: CSS counselors are experienced professionals who provide short-term holistic counseling to support student success. They are Washington State Licensed Mental Health Counselors or Licensed Mental Health Counselor Associates. Several also teach Human Development courses on a broad range of topics including Career and Life Planning, Stress Management, and Human Relations in the Workplace.

Counseling sessions: Counseling sessions are generally 50 minutes long. Sessions are confidential unless students give consent for information to be shared **or** in emergency circumstances as outlined in RCW 18.19.180, Washington State's legislation governing confidential communications.

Counseling themes: Students frequently address topics such as these in counseling sessions:

- **Educational counseling:** setting educational goals; improving college success skills; choosing a program of study; overcoming barriers that have led to low grades or on Satisfactory Academic Progress (SAP), etc.
- **Career counseling:** exploring career interests and options; engaging in career research,

assessment,* and/or decision making; connecting career interests and goals to relevant coursework etc. *There is a small fee for some career assessments. Others are available free of charge.

- **Personal & mental health counseling:** addressing interpersonal relationships; anxiety; family issues; depression; loss and grief; identity; financial/food/housing insecurity; culture shock; isolation; substance use; suicidal ideation; health concerns; trauma & many other themes impacting daily life and/or success in school.
- **Urgent concerns:** short-term interventions for students experiencing acute distress and/or immediate barriers to well-being and academic success.
- **Academic advising:** advising for undecided students and students planning to major in Human Services; assistance with educational planning, general transfer advising, and informal transcript evaluation.

Campus & Community Referral: Counselors assist students with referrals to relevant campus and community resources.

Consultation & Outreach: Counselors offer consultation and psychoeducational training to faculty and staff. They participate on campus committees and sponsor/contribute to campus programming about current educational, cultural, and wellness issues.

Diversity & Equity Center

The Diversity & Equity Center engages the campus and community around issues of social justice, equity, and inclusion.

The center's programs and services are designed to recruit, retain, develop, and graduate underserved populations through culturally relevant programs, retention efforts of identified cohorts by peer navigators and program managers.

The Diversity & Equity Center is located on the third floor of Parks Student Union Building in room 310. Call 425-388-9306 or email diversity@everettcc.edu.

Student Retention and Support Services

- Get started information, entry services, and assistance for new, returning and prospective students
- Mid-quarter academic assessments
- Lesbian, Gay, Bisexual, Transgender, Queer/Questioning & Allied (LGBTQIA+) programs and services
- Student leadership and development through workshops, conferences, and campus/community programs
- Referrals to resources on campus and with community partners
- Student ethnic/gender/LGBTQIA+ clubs
- Tutoring
- Computers available for homework and research
- Service learning and volunteer opportunities
- Supporting College in the High School students matriculating to EvCC and micro-scholarship recipients.

Outreach Activities and Programs

- Elementary, middle, and high school visits
- Community events/college presentations
- College/career fairs
- Workshops and conferences

Faculty/Staff Support and Resources

- Class presentations, information and resources on topics related to diversity and/or equity
- Collaboration with Instruction to provide faculty resources and training to enhance diversity in instruction, curriculum and pedagogy
- Trainings, programs, and outreach activities aimed at improving the academic success of students of color and developing diversity allies
- Lectures and events

Student Leadership Development

All student clubs are invited and encouraged to collaborate and participate in the Diversity & Equity Center programs and activities. The center works closely with the following clubs:

- 1st Nations Club
- African Diaspora Club
- Asian Student Union (ASU)
- Black Student Union (BSU)
- International Club
- Iwi Pono Student Society (Hawaiian Club)
- Latinx Student Union (LSU)
- Triangle Alliance (LGBTQIA+ club)

Pride Center

The Pride Center is a place where students can ask questions, seek support and resources, and feel safe to be who they are.

The Pride Center is located in the Parks Student Union, room 221-B. For more information, contact pridecenter@everettcc.edu

Foster Care and Homeless Youth Scholarship and Services

EvCC Connect empowers current and former foster youth, and unaccompanied homeless youth to achieve their aspirations and educational goals. Dedicated staff in TRiO, the Diversity & Equity Center, and Financial Aid can help you get started at college and will connect you with resources to help you succeed.

Funds are available for qualifying students. Contact Allison Werling for more information: awerling@everettcc.edu or 425-388-9948.

Mathematics, Engineering, Science Achievement (MESA) Program

The Mathematics, Engineering, Science Achievement (MESA) program at EvCC is rooted in equity, access, and opportunity. Our mission is to serve students of color, and women/female identifying students by providing resources and support to students who plan to transfer to four-year colleges or universities in pursuit of Science, Technology, Engineering, or Math (STEM) based degrees.

EvCC's MESA program is part of a nationally recognized academic support program that looks beyond traditional student populations to meet current, future, and global workforce demands in Science, Technology, Engineering, and Mathematics (STEM) fields.

Specifically, the goal of MESA is to increase the number of historically excluded students (African American, Native American, Latino/Hispanic, or Pacific Islander/Hawaiian) attending community college who are preparing to transfer to 4-year colleges or universities in pursuit of STEM degrees. Undocumented students are welcome to apply.

Eligibility

- Are the first generation in your family to go to college
- Are a historically excluded student in STEM
- Pursuing a calculus-based STEM degree
- Intend to transfer to a four-year school to earn a STEM degree
- Are eligible for financial aid as determined by the FAFSA or WAFSA, work study, or are at or below the federal poverty level.

MESA Student Support Service

Students who participate in MESA receive one-on-one and group support to help them reach their goals:

- Tutoring
- Academic advising and mentorship
- Transfer planning/assistance
- Academic Excellence Workshops (organized study groups)
- Field trips to universities and to local companies
- Dedicated study space
- Community

Visit EverettCC.edu/MESA to join the MESA Community!

TRIO Student Support Services

The TRiO Student Support Services program (TRiO-SSS) works with low-income, first generation students, and students with disabilities to promote their goal-achievement and success at Everett Community College and beyond.

Specifically, TRiO-SSS provides ongoing one-on-one advising, personal counseling, tutoring, study-skills information, computer access, and assistance transferring to four-year colleges and universities.

Eligibility

The TRiO Student Support Services program is federally-funded to serve students who are income eligible; students whose parents have not earned a 4-year degree; or students with disabilities.

Students must be U.S. citizens or Permanent Residents; have academic need and would benefit from receiving program services; and have the goal of graduating and/or transferring to obtain a bachelor's degree.

TRiO-SSS Services

- Dedicated advising
- Personal and career counseling
- Free 1:1 tutoring
- Cultural and educational activities
- Study-skills information
- Help with plans to transfer to four-year colleges and universities, including campus visits

TRiO is located in Grey Wolf Hall, room 266, and more information is available at EverettCC.edu/TRIO or by calling 425-388-9365.

Student Housing

Everett Community College has two residence halls for students: Mountain View Hall and Cedar Hall. Both buildings are open to all students, including new and returning students.

Mountain View Hall and Cedar Hall are less than a five-minute walk to classes, the library, computer labs, the college's fitness center and bus line. Students can also participate in exclusive activities for on-campus residents, and some student services, such as tutoring, are offered at residence halls.

All units are fully furnished and rent includes all utilities and wireless internet. Mountain View Hall and Cedar Hall are open year round, including during breaks and holidays.

Students can choose to have their own private room and private bathroom in the 120-room Mountain View Hall or live in a studio, three-, or four-bedroom apartment in the 132-bed Cedar Hall.

The buildings also feature laundry space, bike storage, an indoor community room, and shared outdoor space in a gated ground floor courtyard.

Live-in staff includes student Resident Assistants and two full-time Assistant Directors. EvCC Campus Safety & Security officers are also available to assist students when needed. For more information, visit EverettCC.edu/Housing or email housing@everettcc.edu.

Student LIFE

What is the meaning of LIFE?

Leadership, Inclusion, Fun and Engagement!

Mission

Student leadership development, student engagement, and inclusive activities are the main focus of the office of Student LIFE.

Student LIFE serves the Associated Students and the campus community by providing programs and services that support educational, cultural, social and personal growth, in order to create a positive learning environment that enhances the total student educational experience.

Get Connected

See what exciting things are happening at EvCC when you explore Student LIFE online at EverettCC.edu/LIFE.

Get connected beyond your classes by learning about clubs to join, finding your way with a Student Ambassador's help, scheduling an appointment for necessities with the Food Pantry, or attending a free event or activity with your fellow Trojans.

You can get the scoop on student perks and important deadlines when you check out your weekly Student 411 email and follow us on Instagram, Facebook, and Twitter - @EvCCLIFE!

Student Government

Students are encouraged to become involved with and have a voice in the governance and leadership at EvCC. Through participation in student government, students have the opportunity to express their views on issues affecting students at EvCC and on statewide legislative topics.

The Executive Council and the Student Senate provide students with learning experiences that will assist them in developing and strengthening leadership skills, while representing and assisting their fellow EvCC students.

Trojan Activities Board

The Trojan Activities Board, otherwise known as TAB, is the event programming team for Student LIFE and consists of 5 event coordinators and one student manager.

As a team of student leaders, TAB strives to further the cultural, educational, social, entertainment and recreational needs of the EvCC student body by providing events and activities on and off campus.

As event programmers, TAB intends to provide program planning skills, leadership experience and interpersonal development to participating students.

Student Ambassador Program

The Student Ambassador program is a leadership opportunity for students who are dedicated to serving and representing Everett Community College.

Student Ambassadors provide campus tours, serve as EvCC representatives, and perform duties at various EvCC campus and community events.

Student Ambassadors also serve in three areas within Student LIFE: the Office of Student LIFE, the Food Pantry, and the Welcome Center, where they act as a first point of contact to Student LIFE visitors, both by phone, virtually and in person.

Student Clubs/Organizations

Student clubs/organizations offer opportunities to meet new friends, explore special interests, support co-curricular studies, and make contributions to campus life.

Students are free to organize and join associations to promote their special interests.

A few of the more than 20 currently active clubs/organizations on campus include: 1st Nations, African Diaspora Club, Art Alliance, Asian Student Union (ASU), Biology Club, Black Student Union (BSU), Community Kitchen Club, Iwi Pono, Kpop Club, Latinx Student Union (LSU), Muslim Student Association (MSA), Phi-Theta Kappa (PTK), Society of Women Engineers (SWE), Supporting Parents with Limited Incomes for College (SPLICE), STEM Club, Student Nursing Organization (SNO), Students for Environmental Action (SEA), and Triangle Alliance.

More information on joining or starting a club can be found at EverettCC.edu/Clubs or the Student LIFE office, Parks 209.

Become a Student Leader

Student LIFE hires 50+ EvCC students each year!

As a student leader, you will develop a wide range of transferable skills that will benefit you! Employers, colleges and universities are looking for more than just good grades; they want community involvement and service!

Student leaders will gain leadership skills that will help build your resume, university and scholarship applications.

You will earn letters of recommendations, get connected to and serve your campus, and help students and the community learn more about Everett Community College. Learn more at EverettCC.edu/Leadership.

Associated Student Body Documents

There are several documents that guide the organization and functioning of the Associated Student Body (ASB) such as the ASB Constitution and by-laws, S&A Fees Financial Code & Budget, E-Tech Financial Code & Budget, and the Trojan Activities Board by-laws.

Copies of these documents can be obtained at EverettCC.edu/LIFE and the Student LIFE office located in the Parks Student Union, room 209.

Co-Curricular and College-Related Programs

Student LIFE provides opportunities to further enhance and expand upon the learning that occurs in the classroom, with activities and programs outside the classroom. Student activity fees help to support the costs of these activities and programs.

The Associated Students, through the S&A Fees budget, provide funding to support a variety of programs at EvCC such as the Diversity & Equity Center, the Early Learning Center (childcare), Tutoring Center, Bridges Leadership Academy, The Clipper (student newspaper), Vibrations (student art magazine), and the Russell Day Gallery. These fees also fully support Athletics and Intramural sports at EvCC. Student LIFE also plans the annual commencement celebration.

The Associated Students manage and approve the projects provided by two student fees; Student Technology Fee (E-Tech) and the Student Campus Enhancement Fee. E-Tech supports student technology enhancement on

campus, which includes items such as the funding of a computer replacement cycle for open computer labs on campus and reduced computer lab fees. The Student Campus Enhancement Fee supports the creation and improvement of non-instructional spaces for students.

EvCC Food Pantry

Located in Whitehorse Hall, room 290, the EvCC Food Pantry is a student-led and organized free service available to EvCC students and employees experiencing food insecurity. The EvCC Food Pantry provides non-perishable food, frozen food, hygiene items, baby basics, and pet food.

Many college students experience food insecurity and studies have shown that students with food insecurities have lower completion rates in obtaining academic certificates and degrees.

For more information; including open hours and appointment scheduling, please visit: EverettCC.edu/FoodPantry

Student Rights and Responsibilities Handbook

The Everett Community College Student Rights and Responsibilities Handbook contains information about student rights and responsibilities.

The handbook provides a detailed description of rights and responsibilities as they pertain to the students, the college, and the community, as well as the Student Code of Conduct, procedures for disciplinary actions, procedures to ensure student rights and due process, and the jurisdiction of college personnel.

The handbook is available online at EverettCC.edu/StudentHandbook

Student Identification Card

A student ID card is available at no cost for currently registered EvCC students at the Welcome Center located on the main floor of the Parks Student Union.

You must pick up your card in person, including students taking classes online, at Aviation Maintenance, or Cosmetology.

There is a charge for replacement ID cards.

Your student ID card may be used in a variety of ways:

- Official student photo identification
- Library card to check out books
- Access to EvCC's Walt Price Student Fitness Center

Welcome Center

The campus Welcome Center is located on the main floor of the Parks Student Union. Staffed by Student Ambassadors, the Center provides general information on how to navigate the campus, helps to connect students and visitors with appropriate campus departments. The Center also provides student ID cards, as well as computers for registration and other student needs. Have a question? Stop by or email us at welcomecenter@everettcc.edu.

Co-Curricular and College-related Programs

The Clipper

This student-produced, award-winning news organization publishes news about college and campus activities. Journalism students and others who are interested participate in writing, editing, and publishing the newspaper and articles online. Credit may be earned by enrolling in Journalism 170.

For further information, contact Clipper advisor Andrew Wahl at 425-388-9501. Visit the website at EverettClipper.com or email clipper@everettcc.edu.

Vibrations

Vibrations is a student-produced creative arts magazine, published annually. All students are invited to participate by submitting manuscripts, photographs, and artwork. Credit may be earned by enrolling

in GRAPH 252. For more information, email vibrations@everettcc.edu.

Early Learning Center

The Early Learning Center provides childcare for children ages birth to 5 in a warm, safe, positive environment that is designed to support development and learning in alignment with National childcare accreditation standards (NAEYC).

Several funding options are available including CCAMPIS (Childcare Access Means Parents In School) and ECEAP (Early Childhood Education and Assistance Program) along with private pay options. Priority enrollment is given to students. Our center offers a holistic approach as we provide opportunities for parent education, classroom volunteering and community referrals, as needed to support student success. Visit the Early Learning Center located on campus at 820 Waverly Ave.

For further information, contact the Center at 425-388-9121 or visit the website at EverettCC.edu/ELC.

Bookstore

Everett Community College's Bookstore, operated by Follett Higher Education Group, is located in the Parks Student Union.

The bookstore provides an outlet for all required books and supplies. Art, office, and school supplies are also available. The general book department provides recommended readings as well as books for enjoyment and special interests. The store also carries greeting cards, gifts, snacks, backpacks, clothing, logo items, and alumni keepsakes.

For textbook returns, please refer to the Bookstore's website. Refund policies vary for electronic and other materials. See the bookstore website for details about returns and refunds. Buyback is offered during the final exam period each quarter.

For more information, including bookstore hours, call 425-388-9413 or visit EverettCC.edu/Bookstore.

EvCC Safety, Security, and Emergency Management Office

This office manages the college safety, security, parking management, emergency preparedness, community health, and alternative transportation concerns. For individuals possessing a current parking permit and parked on campus, Security can provide motorist assistance for flat tires, locked keys in cars, and battery failures.

In an emergency, dial 911; if the situation allows, also call the Security Office's 24-hour emergency number, 425-388-9998.

All parking on EvCC's main campus requires a permit. Quarterly staff and student parking permits may be purchased online via the EvCC Security webpage at EverettCC.edu/Security. Hourly visitor parking permits and all-day parking permits are available at the pay parking machines located in parking lots B and K. Visitors can also pay for parking at the Cashiers Office.

The Safety, Security, and Emergency Management office is located on the main level near the southeast entrance to the Parks Student Union, room 224. The office phone number is 425-388-9990. Normal business hours are 7:30 a.m. – 4 p.m., Monday – Friday, excluding holidays. After-hours contact with a security officer can be achieved by dialing the 24-hour emergency number, 425-388-9998.

ALL COLLEGE POLICIES

A full list of college policies is available at EverettCC.edu/Policies

Drug-Free Campus Policy

In an effort to provide a safe and healthy educational and work environment, all students and employees must report to class/work in a condition fit to perform

their learning/duties, unimpaired due to the use of alcohol or drugs.

The unlawful use, possession, delivery, dispensation, distribution, manufacture, or sale of drugs on college property, in state vehicles, or on official business is prohibited. Any employee or student found in violation of this policy will be subject to formal disciplinary action, which could include completion of an appropriate rehabilitation program up to and/or including dismissal/expulsion.

Tobacco Use Policy

EvCC is a tobacco-free campus. Smoking, chewing, and electronic cigarettes are prohibited on college property including in any vehicle parked on college property. Smoking is a violation of the Student Conduct Code and subject to fines and/or disciplinary action.

Children on Campus

Unless officially enrolled in classes, directly involved in an instructional process, or directly supervised by a parent or responsible adult, children are not permitted on campus. Leaving children unattended in public access areas does not meet this standard.

Pets on Campus

The safety and security of students, employees, visitors and the public are a prime concern and responsibility of the college. For health, sanitation and safety reasons, no person shall be permitted to bring into or leave any dog, cat or any other animal or pet in any college building, nor is it permitted to leave any such pet or animal unattended on any college-controlled property.

This policy does not apply to guide dogs or other trained service animals, as defined by law and consistent with the Americans with Disabilities Act, providing assistance to persons with disabilities requiring these services. This policy does not apply to animals brought to campus for a specific course assignment, K-9 officers, and animals maintained by the college for educational purposes.

Prohibition on Plagiarism

Success as a student and learner requires academic honesty. A chief aspect of academic honesty is the avoidance of plagiarism. Plagiarism, as defined by Brenda Spatt (1983), is "the unacknowledged use of another person's work, in the form of original ideas, strategies, and research as well as another person's writing, in the form of sentences, phrases and innovative terminology." Students suspected of plagiarism are subject to the college's Student Code of Conduct and disciplinary processes.

How can you avoid plagiarism? When writing a paper, use your own words. When using another person's words, use quotation marks and give credit to the original source. If you are using another person's ideas, give that person credit. Do not use pre-written papers available from the web or other term paper services. Plagiarism affects everyone. If another student is doing it, it undermines your own work and the value of your degree. If you are doing it, you are not doing the hard work from which you learn the best. Talk to your instructors about how to avoid plagiarism.

Notice to Students

The college reserves the right to change any provision, fee, rule, requirement, policy, deadline, or procedure whenever necessary. Changes are effective upon the date specified and may apply not only to prospective students, but also to those who are currently enrolled. Changes are posted online. The college reserves the right to withdraw or change courses at any time.

Falsification of information on any admission, financial aid, or other materials submitted to the college may result in denial of admission or immediate dismissal from the college. Students are expected to be familiar with all college

policies and rules and will be held responsible for observing such provisions.

Student Right to Know Disclosure

Federal "Student Right to Know" (SRTK) legislation requires colleges to disclose information about student completion, graduation and transfer rates over a three-year period. Graduation data of degree-seeking, full-time undergraduate students and retention rate information for EvCC students is available at the IPEDS Data Center (nced.ed.gov/ipeds).

It is important to understand the background of this information. As a community college, EvCC enrolls large numbers of students who may be part-time, or not seeking a certificate or degree, or who have transferred from another college, or who enroll at times other than Fall quarter. Furthermore, the calculation of completion and graduation rates does not consider the high numbers of students who take longer than three years to reach their goal due to part-time enrollment, or who temporarily stop-out in order to meet employment or family needs, or who are only taking a few courses to improve job skills. Thus, the statistics above should be evaluated only as a snapshot of what happens to a limited category of students, based on limited data.

The Right to Know Campus Safety Report is published annually by Oct. 1. The information is provided in compliance with requirements set forth under the Student Right to Know Campus Security Act of 1990 (Title II - Public Law 101-542 Nov. 1990).

Upon request, this information will be provided to any applicant for enrollment or employment. Copies are available in the Security office, Student LIFE office, and from the Executive Vice President of Instruction and Student Services.

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, ballinder@sbctc.edu, 360-704-4315 or visit sbctc.edu.

Title IX & Discrimination

Everett Community College is committed to providing a safe and inclusive environment for all students and employees.

Everett Community College does not discriminate based on, but not limited to, race, color, national origin, citizenship, ethnicity, language, culture, age, sex, gender identity or expression, sexual orientation, pregnancy or parental status, marital status, actual or perceived disability, use of service animal, economic status, military or veteran status, spirituality or religion, or genetic information in its programs, activities, or employment. Contact the following people with inquiries or complaints regarding discrimination, Title IX compliance, or Americans with Disabilities Act compliance:

- Equal Opportunity Director: EqualOpportunity@everettcc.edu, 425-388-9271;
- ADA Coordinator: ADAcoordinator@everettcc.edu, 425-388-9232;

- Title IX Coordinator: TitleIXCoordinator@everettcc.edu, 425-388-9271.

All offices are located in Olympus Hall 111, 2000 Tower St. Everett, WA 98201. For more information, visit the Equal Opportunity and Title IX website: EverettCC.edu/EqualOpportunity

State Support of Higher Education Students

The average cost to educate a resident full-time community or technical college student for the 2022-23 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.

Limitation of Liability

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

GENERAL

Academic Calendar

The academic year at Everett Community College is divided into three quarters of approximately 11 weeks each and a summer session of eight weeks.

Key dates for each term are listed on page 5 of the catalog. Important dates for each quarter (such as registration dates, refund deadlines, etc.) are available online at EverettCC.edu/ImportantDates.

Attendance

Attendance policies vary from course to course. Students are responsible for meeting the stated requirements of the courses in which they are enrolled.

Attendance during the first several sessions of the class is necessary in order to avoid administrative withdrawal for non-attendance. See the First Week Enrollment and Withdrawal Policy on page 31.

Prerequisites and Co-requisites

A prerequisite is a course which must be taken before a student is allowed to enroll in another course, or the achievement of a minimum skills assessment score that indicates readiness for the course material.

For example: MATH 096 is a prerequisite for MATH& 141, listed as Enrollment Requirements in the quarterly class schedule. Unless otherwise stated with the course description, a minimum grade of C (2.0) must be earned for the course to qualify as meeting a prerequisite.

Most prerequisites state that a student must be eligible for a specific course (ex. Eligibility for ENGL& 101). Eligibility is determined through looking at courses completed and, if applicable, test scores such as AP, high school and college transcripts, and other methods.

A co-requisite (CR) is a course that must be taken at the same time as another course. Students must abide by the course requirements for prerequisites and co-requisites. Faculty may administratively withdraw students who do not meet the prerequisites and co-requisites.

Equivalent Courses

The Transitional Studies division offers some courses that are equivalent to courses in English and Math. Current equivalent courses are:

TS 076 = MATH 076

TS 086 = MATH 086

HSC 076 = MATH 076

HSC 086 = MATH 086

TS 097 = ENGL 097

HSC 098 = ENGL 098

TS 098 = ENGL 098

AEP 097 = ENGL 097

AEP 098 = ENGL 098

ESL 097 = ENGL 097

ESL 098 = ENGL 098

Students who complete a course that is equivalent to an English or Math and earn a C (2.0) or higher may take the next course in either department. For example, a student who completes TS 098 with a C (2.0) or higher is eligible to take ENGL& 101.

Course Numbering

Everett Community College offers courses that serve a variety of populations with different purposes. Course numbers (such as MATH 076 or ENGL& 101) may indicate the level of the course.

001-099: Pre-college level skills development or enhancement courses; designed to help students prepare for success in college-level work where it is expected that their academic skills in general (or specifically) are not at the college level and/or the course material is aimed at below college-level skills.

100-199: Introductory courses intended primarily for first-year college students with no significant deficiencies in their academic background.

200-299: Intended primarily for students who have successfully completed one year of college-level work.

(Approved, Instructional Council, March 2, 2006)

In Summer 2008, EvCC adopted common course numbering (CCN) in compliance with a statewide initiative of Washington's public community and technical colleges. The primary purpose of this process is to enable students to know that CCN-identified courses taken at one community college will be the same as those courses at another Washington community college.

All CCN courses are identified with an ampersand (&) in the course number, for example: ENGL& 101. The common course number, as distinguished by the ampersand, does not confer any special transferability to a university, nor does it guarantee that the same course number will be used by Washington's universities. To plan a smooth university transfer, see your advisor. A list of CCN courses is available at EverettCC.edu/CCN.

Final Examinations

Most courses require a final examination. The college publishes an official final examination schedule each quarter. Students must take final examinations at the regularly scheduled time unless other arrangements are made with the instructor.

Waiver of Regulations

A petition for waiver of a specific academic regulation should be initiated in the Enrollment Services office.

CREDIT SYSTEM

Credits measure the amount of academic work required for the class. In general, a class that meets one hour per week and requires about two hours of outside assignments per week for one quarter will earn one credit. That is, one credit represents about three hours of effort per week. Laboratory and certain other courses vary from this pattern. The quarter hours of credit for each course are shown after the course titles in the Course Descriptions section of this catalog.

Students earn credit only for those courses in which they are officially registered for credit. In certain instances, credit cannot be earned in two courses of similar content. See individual course descriptions.

Student Credit Load and Limitations

The total number of credits taken in any given quarter will vary depending on each student's goal. Students should note the following limitations:

- International students or students receiving financial aid, veterans' benefits, or other agency funding will usually have a minimum number of credit hours required per quarter. It is the student's responsibility to check with the appropriate advisor and know these requirements. Normally, 12 credits meet the requirement for full-time status. (During summer quarter, the Veterans' Resource Center establishes the minimum credits needed for full-time status for veterans receiving benefits.)
- Students wishing to take more than 20 credit hours per quarter need permission from a designated Enrollment Services staff member at the time of registration, except when a single course or a prescribed program requires more than 20 credit hours in a given quarter.

The college reserves the right to deny registration by a single student in two sections of the same course in order to maximize the availability of seats for all prospective and current students.

Auditing a Course

A student who desires to attend classes but does not wish to receive grades or credits may enroll as an auditor. Full tuition and fees are charged. Students who wish to change from audit to credit (or credit to audit) during a quarter must receive permission from the course instructor.

Certain courses may not be available for audit. See individual course descriptions.

If a student who is enrolled for audit does not attend regularly and fails to withdraw officially, the instructor may issue a grade of V (unofficial withdrawal). Running Start students may audit a course only if they pay the tuition themselves, since school districts do not reimburse for non-credit enrollment.

Repeating a Course for Additional Credit

Some courses can be repeated for additional credit up to the maximum specified. A separate grade is issued for each completion. See individual course descriptions or your advisor for such courses.

Repeating a Course to Change a Grade

Courses may be repeated to improve the grade earned, but credit is applied only once. In no circumstance will any course be repeated more than twice in order to improve a grade; (this is defined as two repeats in addition to the original enrollment). Permission may be required to repeat a course, and/or requirements specific to an individual program of study may affect eligibility to repeat a course.

To repeat a course for the purpose of improving a grade, the student must register for the course, complete a course repeat card at the time of registration or no later than one academic year after repeating the course, and pay all necessary fees. The highest grade earned of the original or repeated courses will be used to calculate the student's cumulative grade point average.

Other colleges and universities may not accept a grade earned in a repeated course. If accepted, the grade may be treated differently in the calculation of grade point average.

Credit by Examination (Course Challenge)

A student who is currently enrolled at Everett Community College may apply for credit by examination (course challenge). Course challenge examinations are sufficiently comprehensive to determine that the student has the same knowledge and skills as those students who enroll in and successfully complete the course.

A student should have previous training, private study, work experience, or other bona fide qualifications indicating the student has knowledge or abilities equivalent to course completers. During the quarter credit by examination is requested, a student must be regularly enrolled at the college for credit coursework other than the course to be challenged.

To start the process for a course challenge, a student should contact the instructor of the course to discuss the student's background and readiness to challenge the course successfully. This should be done prior to the beginning of the quarter. If the discussion is positive, written approval must be gained from the instructor and division dean on the Application for Course Challenge form, available in Enrollment Services or a division office. Students must meet all eligibility criteria and pay the established non-refundable fee at the Cashiers Office prior to submitting the form to the Enrollment Services office. The form must be submitted to Enrollment Services before the tenth calendar day of the quarter.

Students must complete the requirements of the course challenge, which may be written, oral or skills tests, by the fiftieth (50th) day of the quarter, unless a brief extension is approved prior to that date by the Instructor.

In some cases, a student may be registered for a course that they decide to challenge instead. In that case, the student has paid regular tuition and fees for the course, which may be refunded only if the student withdraws by the published refund deadlines; the student must also withdraw in order to avoid earning a grade. The student must make a decision early in order to challenge a course.

Please consult with the Enrollment Services office about the process. Dual registration in the course and completion of a challenge for the same course results in cancellation of the credit and grade for the challenge, and the transcript will reflect only the registered course and the grade for that course.

Activity courses or courses taken previously at regionally accredited institutions may not be challenged.

Courses previously taken for audit at EvCC may not be challenged. An individual course may be challenged only once.

Traditional letter grades (A through F) will be issued on completion of the examination. Plus or minus grades may be utilized at instructor discretion in accordance with college procedures. Students not taking the examination will be issued an F or a V at the instructor's discretion.

GRADING SYSTEM

Everett Community College uses a letter symbol grading system to assess academic achievement. For traditional grades (A through F) the grade point values are:

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

Interpretation of Grade Symbols

A (4.0) High Degree of Excellence of Achievement

In relation to the standards set for the class, the student has done an exceptionally high level of work.

B (3.0) Better than Average Achievement

In relation to the standards set for the class, the student has significantly exceeded the average.

C (2.0) Average Achievement

In relation to the standards set for the class, the student accomplished an average level of work and met more than the minimum requirements.

D (1.0) Low Standard of Achievement

In relation to the standards set for the class, the student did not do average work and met only the minimum requirements. Grade of D-does not meet the requirements for a degree or certificate.

F (0.0) Failure to Complete Minimum Requirements

In relation to the standards set for the class, the student failed to achieve the minimum requirements.

+ and - Symbols

The symbols + and - may be used with traditional letter grades A through D to differentiate levels of achievement within a grade range. The + is not used with the letter grade A or F.

Non-Traditional Grades

The following non-traditional grades are also used when appropriate:

N Audit

S Satisfactory

Y In-Progress

U Unsatisfactory

I Incomplete

V Instructor Withdrawal

V1 Administrative Withdrawal

W Withdrawal

Non-traditional grades (N,Y,I,W,S,U,V and V1) have no grade point value and, except for the S grade, no credit is awarded. Courses in which these grades are received are excluded from the grade point average calculation by Everett Community College.

Students receiving financial assistance should inquire at the Financial Aid office regarding the effect of receiving a non-traditional grade on eligibility for assistance.

Grades of I, S, U, V, W, and Y may be evaluated differently by other colleges and universities.

N Audit

Means class attendance and participation without evaluation. Courses taken on this basis carry no credit and do not count toward graduation, and cost the same as credit-bearing classes.

Students can register for classes as an audit via online registration or with assistance from Enrollment Services. Once the quarter begins, written instructor permission is needed to change the class from grade eligible to audit. It is the student's responsibility to check their student schedule in the event a class is registered as an unintended audit.

Y In-Progress

Indicates a course has not yet officially ended, and the student is still actively involved in finishing the required work. This grade is used in courses that have an official ending date scheduled after the end of the regular quarter.

The course requirements must be completed within one year of the date the Y is given; otherwise, it will revert to an F grade. An instructor may specify a

completion date earlier than one year in the course syllabus.

I Incomplete

Given when a student has satisfactorily completed most of the requirements for a course but, for an unavoidable reason, has been unable to complete a specific course requirement or take the final examination.

The grade is given only if previous arrangements have been made with the instructor to complete the course requirements. A written copy of these arrangements will be placed in the appropriate division dean's office. The course requirements must be completed within one year of the date the I grade is received. Incomplete grades not made up within one year will revert to an F grade on the student transcript, and no credit will be earned.

W Withdrawal

Indicates that registration in a course has been officially canceled by the student. It is granted to all students who officially drop a class on or before the published deadline. Failure on the part of the student to withdraw officially from a class by the published deadline may result in an F grade if the student has not completed the minimum course requirements. An excessive number of withdrawals may be cause for review of the student's academic record.

R Repeat

The notation of "R" is made next to the grade of a course which has been repeated, if the student has submitted a course repeat card.

S Satisfactory

Indicates C or higher level of achievement in a course taken on an S/U basis. The S grade has no grade point value and is not used in the calculation of grade point average, but credit is awarded for the course. Instructor's permission is required to take a course on a satisfactory/unsatisfactory basis.

U Unsatisfactory

Indicates less than C level of achievement in a course taken on an S/U basis. The U grade has no grade point value and is not used in the calculation of grade point average. No credit is awarded for courses in which a U grade is received.

V Instructor Withdrawal

Given at the option of the instructor at the end of the term when a student has stopped attending class and has failed to officially withdraw. This grade may not be given after a Y or an I has been given.

V1 Administrative Withdrawal

A grade of administrative withdrawal (V1) may be entered on the transcript when a student is withdrawn from class as the result of a policy or procedural infraction committed by the student.

D- Low Standard of Achievement

This grade is no longer used as of January 2014.

E Fail

Failure to complete minimum standards. This grade is no longer being given as of June 2012.

BEdA Grading Basis and Transcripts

Per the State Board for Community and Technical Colleges coding policy, classes coded with a BEdA grading basis will exclude basic skills credits from the student's transcript report. The class will be shown with a grade, but no credits. Credits included on the transcript are included in quarterly and cumulative credit totals.

Final Grade Reports

Final grades are available shortly after the end of each quarter. Students may see their grades by viewing their unofficial transcript online.

For information on how to access an unofficial transcript, please visit EverettCC.edu/Transcripts.

Grade Errors and Changes

The deadline for requesting and submitting a grade change is the end of the quarter following the quarter in which the grade was given.

In the case of a conversion of an "I" or "Y" to a final grade given by the instructor, the deadline to request a change to the final grade is the end of the quarter following the quarter in which that final grade was given. In the case of Spring class grades, the deadline is the end of the following Fall quarter.

In most circumstances, the student should direct their initial concern about a grade to the instructor. Questions also may be directed to the dean for the instructor's division.

Grade Appeals

Students who have evidence of unfair treatment relating to their final grade may be said to have an academic grievance. Refer to WAC 132E-120-360 Academic Grievance Procedure in the Everett Community College Student Rights and Responsibilities Handbook for the procedure to resolve the grievance.

Grade Point Average (GPA)

A grade point average (GPA) is a measure of the student's overall academic performance. It is based upon those courses in which the student has received letter grades A through F. Non-traditional grades are excluded from GPA calculations. Everett Community College computes three separate student GPAs.

1. The quarterly grade point average is calculated by dividing the total quarterly number of grade points earned at EvCC by the total quarterly credit hours earned at EvCC. The quarterly GPA does not include credits transferred in from other institutions or EvCC credits earned during other quarters. The quarterly GPA is reported on the student's transcript each quarter.

2. The cumulative grade point average is calculated by dividing the total cumulative number of grade points earned in all quarters at EvCC by the cumulative total credit hours earned in all quarters at EvCC. All credits earned at EvCC are included in this grade point computation, whether or not they apply to the student's program of study. Credits transferred in from other institutions are not included in computation of this GPA. The cumulative EvCC grade point average is reported on the student's quarterly transcript.

3. The college level grade point average is calculated using only those courses numbered 100 or higher. The graduation grade point average is calculated by dividing the total cumulative number of grade points earned in all courses taken at EvCC by the total cumulative number of credit hours earned in those same courses, at the end of the last quarter of completion. The commencement grade point average is computed as of the end of the quarter prior to the last quarter.

Petition for Grade Exclusion

A returning student may petition the Academic Appeals and Regulations Committee for a review of their academic record with the intent of excluding grades earned at Everett Community College from computation of EvCC cumulative grade point averages. This policy is designed for students who had difficulties (generally characterized by grades below C or 2.0) in their early term(s), left the college, returned later and demonstrated improved academic achievement.

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

- At least one calendar year must have passed without the student's enrollment at EvCC.
- Grades to be excluded must have been awarded prior to the minimum year of absence.
- Only exclusion of all grades in the terms prior to absence will be

considered; petition to exclude singular courses within a term or singular terms will not be considered.

- The student must demonstrate an ability to improve by completing at least 30 credits with a GPA of 2.5 or higher since returning to the college.

To initiate a petition for exclusion of grades, the student should contact Enrollment Services to obtain the appropriate form.

If the student's petition is approved, the grades to be excluded will still appear on the student's transcript but will not be used in calculating the grade point average.

This process cannot be used to circumvent either the EvCC repeat course policy or standards of academic progress; courses for which grades are excluded cannot be used to meet graduation requirements.

Students should be aware that other institutions might not honor such grade exclusions in computing grade point averages for admission or transfer.

ACADEMIC ACHIEVEMENT

Honors Program

EvCC's Honors program provides students who have successfully completed English 101 with a B or better and a 3.5 College-level GPA with an opportunity to enrich their academic experiences.

This can be done with either taking honors sections of a wide variety of general education courses, or by completing an Honors contract with a specific instructor to enhance traditional sections of classes.

The Honors program is designed to fit into a student's degree track and should not require students to complete additional credits. Graduates of the Honors program present their culminating projects at the annual Honors Forum during the final week of classes of Spring quarter and are recognized as Honors Scholars in the annual commencement ceremony program. For more information, visit EverettCC.edu/Honors.

Quarterly Honor Roll

Students who achieve quarterly grade point averages of 3.60 and above in at least 10 EvCC traditionally graded credit hours are recognized at Everett Community College as follows:

- Students who earn a 4.0 grade point average are placed on the President's List.
- Students who earn a 3.60 to 3.99 grade point average are placed on the Vice President of Instruction's List.

Graduation with Distinction

Students who have met specific degree requirements will be graduated with distinction if their EvCC cumulative grade point average is:

Presidents Distinction - 4.0

High Distinction - 3.60 to 3.99

Distinction - 3.20 to 3.59

Satisfactory Academic Progress

Students must receive a minimum quarterly grade point average (GPA) of 2.0 to maintain satisfactory academic progress. Students must also satisfy any additional grade point requirements specified in the curriculum guide for the degree being sought.

Pursuant to state and federal funding guidelines, students enrolled in Transitional Studies and English Language Acquisition classes must complete at least one educational functioning level in at least one academic subject area within three quarters. Lack of such progress may result in dismissal from the program by the Dean of Transitional Studies. Decisions of the dean may be appealed to the Vice President of Instruction.

Academic Alert, Warning, Probation and Dismissal

Everett Community College students who fall below minimum GPA standards will be notified by a letter sent by email.

Students whose quarter GPA falls below 2.0 for one quarter, will be sent an Academic Alert letter.

Students who continue below a 2.0 GPA for a second consecutive quarter will be sent an Academic Warning letter and an Academic Counseling Hold will be placed on their account; continuation to the next term is subject to counselor approval.

Students whose GPA falls below 2.0 for a third consecutive quarter will be placed on Academic Probation and an Academic Counseling Hold will be placed on their account; continuation to the next term is subject to counselor approval. Students whose GPA falls below 2.0 for a fourth consecutive quarter will be placed on Academic Dismissal and dismissed from Everett Community College for a period of four consecutive quarters. Students may seek readmission after an absence of four quarters by obtaining approval to re-enroll from the Vice President of Instruction or their designee.

Students who have been academically dismissed and who would like to return before four quarters of dismissal may submit a written Readmission Appeal form to the Readmission Committee six weeks before the quarter they would like to return. Decisions of the Readmission Committee may be appealed to the Vice President of Instruction.

Students are expected to make satisfactory progress toward completion of their educational program. An excessive number of I, V, W, and U grades received in courses attempted will be cause for review of the student's academic record and may result in academic warning, probation or dismissal.

Specific guidelines for the Satisfactory Academic Progress process are available from the Counseling & Student Success office. Various resources of the college, such as counseling and tutoring services, are available to assist students in meeting the academic requirements.

EvCC PATHWAYS

Everett Community College's pathways are designed to help students succeed. Pathways are similar areas of study, commonly referred to as programs, which lead to related degrees and certificates.

For example, all the science, technology, engineering, and math-related programs form the STEM pathway. Students with a clear path are more likely to achieve their academic goals.

Each pathway has a support team who will work with students throughout their educational journey at EvCC.

All new students will select a pathway before registering for classes.

EvCC Pathways include: Advanced Manufacturing and Aerospace; Arts; Business; Healthcare; Humanities; Science, Technology, Engineering, and Math (STEM); Social Science, Education, Public Safety; and Transitional Studies.

For more information, see EverettCC.edu/Pathways.

EvCC Pathways Coaches

Students that would like guidance and support in their academic journey are encouraged to connect with a Pathways Coach. They are here to help students navigate their academic path and achieve their goals. For more information, visit EverettCC.edu/PathwaysCoaches

Degree Planner

Degree Planner is a tool to assist in the evaluation and planning of a student's academic and professional/technical goals while at Everett Community College.

Degree Planner tracks progression toward the completion of a student's credential(s) at EvCC. Students can create and view the status of their own degree plan(s), as well as work with faculty advisors to create new and/or modify existing plans.

Degree Planner provides the ability to plan needed courses as best fits into their schedule, as well as compiling the unofficial record of a student's EvCC transcript, their currently-enrolled classes, and other credit(s) officially transferred in from external institutions.

Degree Planner is available via Starfish. Students should contact their faculty advisor for assistance with their Academic Plan. For technical Degree Planner questions contact starfish@everettcc.edu.

GRADUATION REQUIREMENTS FOR ALL CERTIFICATES AND DEGREES

A certificate is awarded for successful completion of a core of technical credits designed to prepare a student for immediate employment. An associate degree represents the equivalent of two years of full-time study in a university transfer program or specialized technical field.

EvCC values study in subjects that broaden a learner's perspectives and competencies. Therefore, some certificates and each degree requires students to take general education courses in communication, quantitative skills, human relations and other fields.

Students have the responsibility of verifying specific graduation requirements with their faculty advisors. Specific program requirements are stipulated in the curriculum guides available from Enrollment Services.

Philosophy Statement on General Education

"At Everett Community College, we believe that all people have both a right and a responsibility to find out who they are, what they can become and how they relate to others. We further believe that societies, and communities within them, can neither sustain themselves, nor flourish without people who understand themselves and the world in which they live. General Education is the life-long process through which people accumulate the knowledge, skills and understanding necessary to function more completely in complex and diverse societies. As an institution of learning, we acknowledge that we contribute to this process, and we commit ourselves to providing an environment within which people will have the opportunity to further their growth as individuals and members of society."

EvCC General Education Task Force, 1998

Requirements for All Certificates and Degrees

The college provides assistance in determining completion of the required curricula for graduation through curriculum guides, advisors and counselors.

However, the final responsibility for meeting all academic and graduation requirements rests with the individual student. All certificate- and degree-seeking students must have an advisor. The Enrollment Services office may assign an advisor.

The requirements for all degrees are as follows:

- For any associate degree, a minimum of 90 credits is required, at least 30 of which must be earned at EvCC in order to be eligible for graduation. The 90 credits may not include any under 100-level High School Completion (HSC) courses. At least 30 credits must be traditionally graded and calculated

in the EvCC GPA. Exception to the 30-credit residency rule: ATA in multi-occupational trades may use a minimum of 20 credits to satisfy the residency requirement. Where applicable, a maximum of three physical education activity credits may be included (in the A-List electives only) in the total.

- For any associate degree, all students must complete a diversity course. Such courses are designated with a Diversity Class Attribute. The diversity course may also be used to meet degree requirements, such as Social Science or Humanities, depending on the course selected, although the credit will only be counted once.
- For a certificate, the minimum number of credits varies by program. At least one third of the minimum credits required for the certificate must be earned at EvCC.

Students must satisfy all specific requirements for the certificate or degree sought, including:

1. Students who apply for a certificate or degree while currently attending, or within 12 months of their last attendance, must satisfy the requirements in effect at the time of the award of the certificate or degree, or published in a catalog or curriculum guide in effect at any time during their most recent continuous attendance at EvCC. (Continuous attendance is defined as completing at least one term within consecutive 12-month periods.) Students needing longer than five years to complete a given program may be subject to updated graduation requirements.

Students are strongly encouraged to check with an advisor to confirm remaining degree requirements.

2. Students who apply for a certificate or degree after an absence of more than 12 months are subject to the requirements in effect:

A. at the time of their last attendance if, in fact, they fully met the requirements at that time. The certificate or degree is posted with the date of their last term at EvCC. Or,

B. at the time they submit the application for the certificate or degree if they are using transfer credit from a more recently attended institution toward the EvCC certificate or degree. The certificate or degree will be posted with the date of the term in which the application was submitted.

3. Earn an EvCC cumulative grade-point average of at least 2.0. (Transfer to four-year public and private colleges and universities is competitive. Many four-year institutions require a higher grade point average for admission.)

4. Fulfill all obligations to the college, financial or otherwise.

5. File an application for graduation with the Enrollment Services office. This should be done at least one quarter before the quarter of intended graduation.

See the Academic Calendar in the front of the Catalog. Students who plan to participate in the June commencement ceremony and have their name printed in the commencement program must file an application for a diploma by the deadline published online at EverettCC.edu/Graduation and in the front of this Catalog. The deadline is typically about 18-20 weeks prior to graduation; applications received after that deadline will still receive consideration but may be delayed until the on-time applications are completed. The diploma application must be filed in the Enrollment Services office.

Please note that degrees may be auto-conferred if it is determined by the Enrollment Services office that a student has met all requirements for a certificate or degree.

Certificates

Certificates of Completion are awarded in many technical and career fields and are designed to prepare graduates for employment. Generally, certificate programs are about a year long. In many cases, the courses completed for a certificate will also lead to an associate degree if the student completes additional requirements.

Specific requirements for each certificate are outlined in the college's curriculum guides, available from advisors, the Counseling & Student Success office, and the Enrollment Services office. Currently, certificates are awarded in:

- Administrative Support
- Advanced Manufacturing Technology
  - Aerospace Composites Foundations
  - Aerospace Composites Technician
  - Aerospace Design
  – CATIA v5
  – CATIA 3D (Technical Design)
  - Aerospace Fabrication and Welding
  - Engineering Technology (CAD)
  - Engineering Technology (Mastercam Machining)
  - Numerical Control Programming Mastercam and Vericut Certificate
  - Numerical Control Programming CATIA Certificate
  - Numerical Control Programming CATIA Certificate
  - Numerical Control Programming Foundation Certificate
  - Manufacturing Pre-Employment
  - Principles of Precision Machining
  - AutoCAD (Technical Design)
  - Welding and Fabrication
  - SolidWorks
- Aircraft Electronics
- Aircraft Electronics Technician
- Avionics Technician
- Aircraft Wiring
- Aircraft Avionics Systems
- Aviation Maintenance Masterclass
- Aviation Maintenance Technology
- Bookkeeping
- Business Administration
- Business Technology
- Computer Support
- Cosmetology
- Cybercrime Investigation
- Cybersecurity Analyst
- Early Childhood Education
  - State Early Childhood Education (statewide)
  - State Initial Early Childhood Education (statewide)
  - State Short Certificate of Specialization-Administration (statewide)
  - State Short Certificate: Family Childcare
  - Specialization-General (statewide)
  - State Short Certificate of Specialization-Infants and Toddlers (statewide)
  - State Short Certificate of Specialization-School Age Care (statewide)
- Emergency Medical Technician
- Event Planning
- Food and Beverage
- Graphic Design
- Hair Design
- Healthcare Risk Management
- Mechatronics Systems
- Medical Administrative Support
- Medical Assistant
- Medical Billing Specialist
- Medical Coding
- Medical Interpreter - Spanish
- Medical Receptionist
- Network Administrator Specialist
- Phlebotomy
- Robotics Foundations
- Systems Administrator
- Sub-Arc Welding
- Web Design
- Advanced TIG Welding
- Welding
- Welding, Entry Level

The college reserves the right to add, change, or terminate certificate programs.

Associate Degrees

EvCC offers associate degrees in both university transfer and technical and career areas. Preparation for a major at a university can be accomplished through careful selection of courses that meet the requirements of our degrees. Information about preparing for majors in a wide variety of areas is available in our curriculum guides. See also the information on transferring at the end of this section.

Associate in Arts and Sciences (AAS) – DTA is awarded for completion of a program of study designed primarily for transfer to a four-year college or university. The AAS - DTA degree meets statewide general transfer guidelines, often referred to as the direct transfer degree, or DTA.

AAS - Option I degree is awarded for pre-approved programs leading to professional careers or selected university majors, for example, Music.

Associate in Business (DTA) degree is structured to enable a student to prepare for a university major in business administration or accounting.

Associate of Science - Transfer (AS-T) degree is designed for students majoring in sciences, computer science and engineering who wish to transfer to a Washington college or university. Students preparing to transfer to a university for a bachelor's degree in engineering may follow one of three major-ready pathways:

- Associate of Science - Pre-Engineering Technology: Mechanical, Civil, Aeronautical, Industrial, Materials Science
- Associate of Science - Pre-Engineering: Computer and Electrical
- Associate of Science - Pre-Engineering: General Engineering Transfer

Associate in Pre-Nursing (DTA/MRP) prepares students who wish to complete their first two years of general education requirements and prerequisites prior to transferring to a university toward a bachelor's degree in nursing.

The Associate in Applied Science - Transfer (AAS-T) is designed in coordination with a university and enables students to use a designated technical program toward a specific university major, such as computer information systems. Options are:

- Aviation Maintenance Technology
- Criminal Justice
- Fire Science
- Information Technology
- Medical Assistant

Associate in General Studies (AGS) is awarded for completion of a program of study in general education.

Associate in Fine Arts (AFA) is awarded for completion of course work in the interdisciplinary arts. Areas of emphasis are Photography, Studio Arts, and Written Arts.

Associate in Technical Arts (ATA) is awarded for completion of a program of study in technical education. Degrees are awarded in these fields:

- Accounting
- Aircraft Electronics Technician
- Airframe/Avionics
- Aviation Maintenance Technology
- Business Administration
- Business Technology
- Composites
- Cosmetology
- Cosmetology with Hair Design
- Early Childhood Education
- Information Technology
- Graphic and Web Design
- Mechatronics
- Medical Assistant
- Medical Coding and Billing
- Precision Machining
- Technical Design (CAD)
- Welding
- Welding & Fabrication

EvCC reserves the right to add, change or terminate degree programs. Current requirements for the degrees follow and are subject to change.

ASSOCIATE IN ARTS & SCIENCES (AAS) – DIRECT TRANSFER AGREEMENT (DTA)

Requirements for AAS Degree (DTA)

Everett Community College has agreements with most four-year colleges and universities in the state for direct transfer of EvCC students under guidelines developed by the Inter-College Relations Commission of the Washington Council on High School-College Relations. Under these agreements EvCC's Associate in Arts and Sciences degree, when earned under the DTA, may be used to satisfy the lower division general education requirements of the four-year colleges and universities. A comparable agreement has also been negotiated with several universities in Oregon.

Accepting the AAS-DTA are: Bastyr University, Central Washington University, City University, Eastern Oregon University, Eastern Washington University, Evergreen State College, Gonzaga University, Heritage University, Northwest University, Oregon State University, Pacific Lutheran University, Portland State University, Seattle Pacific University, Seattle University, St. Martin's University, University of Oregon, University of Puget Sound, University of Washington, Washington State University, Western Washington University, and Whitworth College.

This degree fulfills only lower-division general university requirements. Most professional programs have additional course requirements and higher GPA requirements for admission.

Students intending to major in professional programs such as business, engineering, education, nursing, sciences, and physical therapy, for example, should consult the appropriate curriculum guide and the catalog of the four-year school for special admission or graduation requirements.

Some colleges and universities have imposed special requirements in addition to the Direct Transfer Degree. The following list is probably not complete. Students intending to transfer to a specific college or university should read their catalog carefully and consult with the undergraduate admissions office well in advance of transferring.

1. Students should select courses within the AAS-DTA that prepare them for their major. For some universities this will provide an added edge if admission is very competitive.

2. Students intending to transfer to the University of Washington should be aware that additional general education requirements may be imposed at the time of transfer.

3. Students are encouraged to check with the receiving institution for current GPA and world language admission requirements.

4. Additional theology/philosophy courses are required for graduation by Gonzaga University, Northwest University, Pacific Lutheran University, Saint Martin's University, Seattle Pacific University, Seattle University, and Whitworth College.

Hope International University, the University of Maryland University College, Minot State University (ND), the University of Phoenix, Capella University, Temple University – Japan, Kaplan University, and Fort Hays University also provide for special transfer arrangements for students with the AAS – DTA.

Students who transfer without the degree will have their courses evaluated for satisfaction of general education distribution and elective requirements on a course-by-course basis according to the policy of the four-year college or university. Recognition of non-traditionally graded courses, CLEP credits, and equivalency

credits varies by each four-year college and university.

Students must satisfy all requirements described above in Graduation Requirements for all certificates and degrees. Direct Transfer degrees require successful completion of at least 90 applicable credits with a cumulative GPA of at least 2.0, following the requirements below.

- At least 60 quarter credits must be from courses listed in the four distribution areas: Basic Skills – 15 minimum; Humanities – 15 minimum; Social Sciences – 15 minimum; and Natural Sciences – 15 minimum. No more than 15 credits may be from restricted electives. Courses may be applied toward only one distribution area, even if listed as usable in more than one area.
- Courses must be completed with a grade of 'D' or above.
- Common Course Numbers are represented with an ampersand (&) next to the number. Common Course Numbers (CCN &) are common only in the Washington community and technical college system, not necessarily with universities. An "&" does not indicate any extraordinary transferability to a university.
- No more than 10 credits in any one discipline may be applied to the Humanities, Social Science and Natural Science distribution areas. For example, a student who takes a History as a Humanities and a History as a Social Science has met the maximum credits for History in the distribution. Additional History credits could be used as electives.

I. COMPLETION of a College Success Course, 2 credits. Most students will take COLL 101 to meet this requirement. Pathway-specific versions of College Success may be available to meet the requirement, for example STEM 101.

II. COMPLETION of a Diversity Course, 5 credits. Diversity courses focus on perspectives related to diversity in our society. Courses are listed in the Class Schedule with a Diversity Class Attribute. They are typically found in the areas of Communications, Humanities, Social Sciences and Transfer Electives. A "D" course may count toward one of the requirements listed below, as well as meet the Diversity Course requirement. Please consult with your advisor.

Diversity Courses:

- Anthropology: 116, 122, &206, &216, 230, &234, 255
- Art History: 124, 228
- Botany: 115
- Business: 110
- Business Technology: 181
- Chicano Studies: 105
- Communication Studies: 204
- Drama: 107
- Early Childhood Education: 140
- Economics: 101
- Education: &115
- English: &101 (designated sections), &102 (designated sections), 120, 135, 175, 183, 203 (designated sections), 263
- Geography: 102, 201
- Global Studies: 101, 105, 185, 186, 187, 188, 281
- Health: 150
- History: 103, 170, &215
- Human Development: 201
- Humanities: 110, 150, 160, 166, 178, 180, 200, 247
- Music: 110
- Philosophy: 125
- Political Science: 210
- Psychology: 210
- Sociology: 170, 220, 255

III. BASIC SKILLS DISTRIBUTION (15 credits minimum)

A. Basic Communication Skills (10 credits minimum)

- English &101 (required)

Plus 5 additional credits from:

- English: &102, 103, 105, 211, &230, &235
- Anthropology: &206 (beginning Fall 2013)
- Communication Studies: &220, 223

B. Basic Quantitative Skills (5 credits minimum)

- Math: &107, 138, &141, &142, &144, &146, &148, &151, &152, &163, 246, &254, 260, 261, &264
- Philosophy: &120

IV. HUMANITIES DISTRIBUTION

15 credits minimum from at least two different disciplines; no more than 5 credits of 100-level world languages (marked with *); and no more than 5 credits from Performance Skills (HP) in the next section. No more than 10 credits in any one discipline may be applied to the Humanities, Social Science and Natural Science distribution areas.

Humanities unrestricted list

- Arabic: 121, 122, 123
- Art: 224
- Art History: &100, 124, 220, 221, 222, 228
- American Sign Language: &121*, &122*, &123*, &221, &222, &223.
- Chicano Studies: 105
- Chinese: &121*, &122*,&123*.
- Communication Studies: &102, 104, 204, &210, &220, 223, &230.
- Drama: &101, 107
- English: 105, 110, &111, &113, 120, 135, 171, 173, 175, 183, 203, 210, &224, &225, 229, 233, 240, &246, 247, 251, 252, 253, &254, 263
- Film: 100, 102
- French: &121*, &122*, &123*, &221, &222, &223
- German: &121*, &122*, &123*, &221, &222, &223
- Global Studies: 102, 103, 105, 185, 187, 188, 281
- History: 100, 103, 111, 112, &146, &147, &148, 170, 210, &214, &215
- Humanities: &101, 110, 125, 150, 160, 166, 170, 178, 180, 195, 196, 200, 210, 227, 247, 247, 248
- Italian: 121*, 122*, 123*
- Japanese: &121*, &122*, &123*, &221, &222, &223
- Linguistics: 200
- Music: &105, 110, 115, 116, &141
- Philosophy: &101, 110, 114, &115, 125, 150, 214, 215, 234, 267
- Photography: 230
- Russian: &121*, &122*, &123*, &221, &222, &223
- Sociology: 170, 248
- Spanish: &121*, &122*, &123*, &221, &222, &223
- Speech: See Communication Studies
- Theatre: See Drama

Humanities restricted list - Performance Skills (HP)

5 credits maximum. This category is optional.

- Art: 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 123, 135, 140, 141, 142, 200, 201, 205, 206, 210, 211, 213, 215, 216, 230, 231, 232, 240, 241, 242, 243, 270, 271, 272, 273, 274, 280, 294
- English: 106, 108, 109, 165, 166, 168, 169, 205, 206, 208, 209
- Drama: 100, 102, 121, 130
- Humanities: 184
- Journalism: 101, 110, 111
- Music: 117, 118, 119, 124, 125, 126, 128, 140, 147, 151-159, 217
- Photography: 110, 111, 112, 151, 210, 211, 212

V. SOCIAL SCIENCES DISTRIBUTION

15 credits minimum from at least two disciplines. No more than 10 credits in any one discipline may be applied to the Humanities, Social Science and Natural Science distribution areas.

- Anthropology: 116, 122, 201, 202, 203, &204, &206, &216, 230, &234, 255, 270, 271
- Business: &101, &201
- Communication Studies: &102, &210, &230
- Criminal Justice: &112
- Early Childhood Education: &105
- Economics: 101, &201, &202
- Education: &115 (effective Fall 2013), &202
- Geography: 101, 102, 200, 201, 201, 220, 230, 240
- Global Studies: 101, 102, 103, 186, 187, 188, 281
- History: 100, 103, 111, 112, &146, &147, &148, 170, 210, &214, &215
- Humanities: 110, 178, 180, 200, 248
- Linguistics: 200
- Philosophy: &101, 110, &115, 118, 125, 215, 267
- Political Science: &101, &200, &202, &203, &204, 205, 210
- Psychology: &100, 125, &200, 205, 209, 210, &220, 225, 230, 235, 240
- Sociology: &101, 150, 160, 170, &201, 209, 220, 230, 233, 240, 248, 255, 257

VI. NATURAL SCIENCES DISTRIBUTION

15 credits minimum from at least two different disciplines. Must include a lab-science course from Part A below. Only five credits allowable from Part C below. No more than 10 credits in any one discipline may be applied to the Humanities, Social Science and Natural Science distribution areas.

Part A: Biological/Earth/Physical Science courses (Lab):

- Anthropology: &215
- Astronomy: &101, &115, 122
- Atmospheric Science: 101
- Biology: &100, 103, 107, 130, 190, &211, &221, &222, &223, &231, &232, &260
- Botany: 113, 115
- Chemistry: &110, &121, &131, &140, &161, &162, &163, &261, &262, &263
- Engineering: 205
- Environmental Studies: &101
- Geography: 205 (beginning Winter 2008)
- Geology/Geoscience: 102, &103, 104, 106, 107, 108, &110, 190, &208
- Natural Science: 105, 107, 150
- Nutrition: 180 (effective Fall 2016)
- Oceanography: &101
- Physics: 102, 103, &114, &115, &116, &231, &232, &233, &241, &242, &243

Part B: Biological, Earth or Physical Science courses (Non-Lab):

- Anthropology: &115, 201 (prior to Spring 2003)
- Astronomy: &100
- Biology: 105, 142, 183
- Environmental Studies: &100, 250
- Geology/Geoscience: 105
- Natural Science: 103
- Nutrition: &101, 126, 136, 160, 180 (prior to Fall 2016), 216, 226

Part C: Other Science courses

5 credits maximum may be applied toward Natural Science Distribution:

- Computer Science: 110, &131, 132, &141, 143, 233, 260
- Engineering: 110, 111, &114, 120, 201, &214, &215, 216 (effective Spring 2014), &224, &225, 240
- Geography: 205 (prior to Winter 2008)
- Geographic Info Systems: 200, 201, 205
- Mathematics: 100, &107, 138, &141, &142, &144, &146, &148, &151, &152, &163, 246, &254, 260, 261, &264
- Philosophy: &120
- STEM: 103, 105

VII. TRANSFER ELECTIVES (List A)

Any course listed under Distribution credits above may be used as a transfer elective. Additional courses which are fully transferable as electives toward the 90 credits required for this degree are:

- Accounting: &201, &202, &203
- Art: 275, 276, 277, 297
- Business: 150, 200, 230, 250
- Criminal Justice: &101, &105#, &110#, &240
- Early Childhood Education: 130

- Education: &115D#, &203#, 250-252#
- Engineering: &104, 108, 109, 121, 202, &204, 220, 298
- English: 150, 151, 152
- German: 190
- Graphic Arts: 120#
- Human Services: 101
- Humanities: 115
- Journalism: 170
- PEHW Pre-Professional courses: 201, 203, 235.
- PEHW Activity courses 100 and above: Only 3 credits maximum may be applied toward the degree.
- Photography: 116, 118
- Psychology: 150, 256

NOTE: Courses noted with a # are acceptable for students transferring AFTER Spring 2007.

VIII. APPLIED ELECTIVES (LIST B) 15 CREDITS MAXIMUM

Any course numbered 100 or above and not listed under distribution or transfer electives (list A), except ART 130, FIRE 254 and PHYS 130.

ASSOCIATE IN ARTS AND SCIENCES - OPTION I

The Associate in Arts and Sciences Option I is a degree comprised of courses tailored to a major in a professional area of study. The Option I degree differs from the AAS-DTA in that the college has identified a curriculum that requires a preponderance of major-specific courses that preclude the inclusion of many of the general education courses that are required for the AAS-DTA degree.

The Option I degree differs from the Associate in Technical Arts in that the courses lead to a professional career highly related to a university major. This is not a Direct Transfer Agreement.

The following are requirements for the AAS-Option I:

- The student must successfully complete a minimum of 90 quarter hours of courses numbered 100 and above in an approved program, with a cumulative GPA of at least 2.0. The following qualify as approved programs:

  Degree outlined in an Everett Community College curriculum guide leading to an Arts and Sciences degree – Option I. The specialty area will be indicated on the student's diploma and transcript, such as Music, for example.

  Or

  Courses conforming to the transfer guides of a four-year college or university. The burden of proof of the transferability of such a program rests with the student. The specialty area will be indicated on the student's diploma and transcript.

- Satisfy all requirements described earlier in graduation requirements for all certificates and degrees.

GENERAL REQUIREMENTS

Completion of a College Success Course.

Completion of a Diversity Course.

BASIC COMMUNICATION AND QUANTITATIVE SKILLS

Fifteen credits from the AAS DTA Communication and Quantitative Skills list.

Communication 5-10

Quantitative 5-10

GENERAL EDUCATION

Fifteen credits from the AAS DTA Humanities, Social Science and Natural Science distribution lists.

Humanities, Social Science and Natural Science 5-10

Natural Science Lab course 5

REQUIRED COURSEWORK

Courses specific to selected discipline 50-60

OTHER ELECTIVES

Choose from courses numbered 100 or above 0-10

Minimum 90 credits required

ASSOCIATE OF SCIENCE - TRANSFER (AS-T)

Students who are pursuing a natural, physical or computer science major may find the Associate of Science a good vehicle for transfer to most of Washington's universities. The Associate of Science – Transfer has two tracks.

Track I

- Biology
- Chemistry
- Earth Science
- Geology

Track II

- Atmospheric Sciences
- Engineering
- Physics

Students earning this degree will normally transfer with junior standing and about half of the lower division general education requirements of the baccalaureate colleges and universities.

Remaining general education courses may be taken after transfer and prior to completion of a baccalaureate degree. This degree enables students to concentrate on fulfilling pre-major coursework in their intended field of study.

Curriculum guides for each of these tracks are available from Enrollment Services. Please note that science sequences (ex PHYS& 114-116) should not be broken up between institutions.

In addition to the specific requirements for the AS-T degree, students must:

- Complete at least 90 applicable credits with a cumulative GPA of at least 2.0., and
- Satisfy the requirements as described in graduation requirements for all certificates and degrees.

It is essential to work with an advisor for the AS-T degree.

GENERAL REQUIREMENTS

Completion of a College Success Course.

Completion of a Diversity Course.

BASIC COMMUNICATION SKILLS

ENGL& 101	5 credits

BASIC QUANTITATIVE SKILLS

Fifteen credits selected from MATH& 151, 152, 163, 254, 146; including at least one of MATH& 153, 254, or 146.

Quantitative Skills	15 credits

HUMANITIES AND SOCIAL SCIENCES

Fifteen credits from both the AAS DTA Humanities and Social Sciences distribution lists.

Humanities and Social Science 15 credits

NATURAL SCIENCE

Courses specific to selected discipline	43-55 credits

ELECTIVES

Choose from courses numbered 100 or above	0-12 credits

Minimum 90 credits required

ASSOCIATE IN BUSINESS – DIRECT TRANSFER AGREEMENT/MAJOR-RELATED PROGRAM

Students interested in attending one of Washington's universities majoring in business administration, accounting, economics, management, and other areas related to business may consider completing the Associate in Business – Direct Transfer Agreement/Major-Related Program (DTA/MRP) degree. This degree follows a pattern very similar to that of the AAS – DTA, but specifies courses that meet prerequisites for business majors. To complete this degree, students must:

- Successfully complete a minimum of 90 applicable quarter hours as listed in the Associate in Business Degree Checklist,
- Take courses consistent with the statewide agreement posted on the SBCTC website: sbctc.edu/docs/education/transfer/business-dta_mrp_agreement_final.pdf,
- Earn a minimum cumulative GPA of 2.0,
- Complete the prerequisites for the major with a grade of at least C, and
- Satisfy all requirements described earlier in graduation requirements for all certificates and degrees.

BASIC COMMUNICATION SKILLS

ENGL& 101 English Composition I	5
ENGL& 102 English Composition II	5

BASIC QUANTITATIVE SKILLS

MATH 138 Applied Algebra or MATH& 141, 142, 144 Precalculus	5
MATH& 148 or Business Calculus or MATH& 151 Calculus I	5

HUMANITIES

Fifteen credits from the AAS DTA Humanities distribution list. Maximum 10 credits from any distribution area; no more than five credits at the 100-level of world language and no more than five credits of performance arts.

Humanities courses	15

SOCIAL SCIENCE

Ten credits in economics; five credits subject other than economics from the AAS DTA Social Science distribution list. BUS &101 recommended.

ECON& 201 Micro Economics	5
ECON& 202 Macro Economics	5
Other Social Science course	5

NATURAL SCIENCE

5 credits in statistics; 5 credits each from the AAS DTA Natural Science distribution lists Part A and Part B. No more than 10 credits from any one discipline on the AAS DTA Natural Science distribution list.

*MATH& 146 Intro to Statistics	5
Part A (lab course)	5
Part A or Part B	5

REQUIRED BUSINESS-SPECIFIC ELECTIVES

ACCT& 201 Principles of Accounting I	5
ACCT& 202 Principles of Accounting II	5
ACCT& 203 Principles of Accounting III	5
BUS& 201 Business Law	5

OTHER ELECTIVE

Choose from courses numbered 100 or above.

Elective course	5

ASSOCIATE IN NURSING– DIRECT TRANSFER AGREEMENT/MAJOR-RELATED PROGRAM

Students interested in attending one of Washington's universities to complete an RN to Bachelor of Science in Nursing completion degree may consider completing the Associate in Nursing – Direct Transfer Agreement/Major-Related Program (DTA/MRP) degree. This degree includes general education requirements and prepares a student for licensure as a registered nurse through Washington state. To complete this degree, students must:

- Successfully complete a minimum of 135 applicable quarter hours as listed in the Associate in Nursing DTA/MRP Curriculum Guide,
- Take courses consistent with the statewide agreement posted on the Washington Student Achievement Council website: https://www.wsac.wa.gov/sites/default/files/2016.06.15.NursingDTAMRP.pdf
- Earn a minimum cumulative GPA of 2.0,
- Complete the prerequisites for the major with a grade of at least C, and
- Satisfy all requirements described earlier in graduation requirements for all certificates and degrees.

Students completing this degree should note that certain universities and colleges may have additional requirements for admission to the institution that are not prerequisites specifically identified in the DTA requirements. Some schools may also have higher minimum GPA requirements or require a specific minimum GPA in specific courses or sets of courses. Students should contact their intended transfer institution early in order to learn about any unique requirements.

BASIC COMMUNICATION SKILLS (10 credits)

ENGL& 101 English Composition I 5

ANTH& 206 Cultural Anthropology 5

BASIC QUANTITATIVE SKILLS

MATH& 146 Introduction to Statistics 5

HUMANITIES

Fifteen credits. Courses listed are required. Final 5 credits are embedded in Nursing Core requirements below.

PHIL &101, 110, 115, 215 or 267 5

CMST& 210 Interpersonal Communications 5

SOCIAL SCIENCE

15 credits. Courses below are required. Final 5 credits are embedded in Nursing Core requirements below.

PSYC& 100 General Psychology 5

PSYC& 200 Lifespan Psychology 5

NATURAL SCIENCE

30 credits minimum. Courses below are required. Final 5 credits are embedded in Nursing Core requirements below.

CHEM& 121 Introduction to Chemistry 5

BIOL& 211 Majors Cellular 5

BIOL& 231 Human Anatomy 5

BIOL& 232 Human Physiology 5

BIOL& 260 Microbiology 5

NURSING CORE CURRICULUM

QUARTER 1

NURS 110 Nursing Therapeutics I 10

NURS 114/PHIL 114 Ethics & Policy in Healthcare I 2

QUARTER 2

NURS 120 Nursing Therapeutics II:	10
NURS 125/PSYC 125 Psychosocial Issues in Healthcare I	2
NURS 126/NUTR 126 Nutrition in Healthcare I	2

QUARTER 3

NURS 130 Nursing Therapeutics II:	10
NURS 136/NUTR 136 Nutrition in Healthcare II	2

QUARTER 4

NURS 210 Nursing Therapeutics IV:	10
NURS 214/PHIL 214 Ethics and Policy in Healthcare II	1
NURS 216/NUTR 216 Nutrition in Healthcare III	1

QUARTER 5

NURS 220 Nursing Therapeutics V:	10
NURS 225/PSYC 225 Psychosocial Issues in Healthcare II	1
NURS 226/NUTR 226 Nutrition in Healthcare IV	1

QUARTER 6

NURS 230 Nursing Therapeutics VI:	10
NURS 234/PHIL 234 Ethics & Policy in Healthcare III	2
NURS 235/PSYC 235 Psychosocial Issues in Healthcare III	1

ASSOCIATE OF SCIENCE IN CIVIL AND MECHANICAL ENGINEERING MAJOR-RELATED PROGRAM

The Associate of Science in Civil and Mechanical Engineering AS-T Track 2/Major-Related Program (AS-T Track 2/MRP) prepares students who wish to pursue a bachelor's degree in Engineering at a university following completion of an associate degree program that satisfies lower division general education requirements. This degree is accepted under agreement with designated Washington universities and satisfies the lower-division general education requirements in most cases. Advisor guidance is strongly recommended. To complete this degree students must:

- Successfully complete a minimum of 90-110 applicable quarter hours as listed in the Associate of Science in Pre-Engineering DTA/MRP and as outlined in the Engineering Degree Checklist,
- Earn a minimum cumulative GPA of 2.0,
- Satisfy all requirements described earlier in graduation requirements for all certificates and degrees.

GENERAL REQUIREMENTS

Completion of a Diversity Course

BASIC COMMUNICATION SKILLS

ENGL& 101 English Composition I	5

BASIC QUANTITATIVE SKILLS

MATH& 151 Calculus I	5
MATH& 152 Calculus II	5
MATH& 163 Calculus III	5
MATH 260 Linear Algebra	5
MATH 261 Differential Equations	5

HUMANITIES AND SOCIAL SCIENCE

Fifteen credits in three different disciplines; one course from the AAS DTA Humanities distribution list and one from the Social Science distribution lists. Third course may be from either Humanities or Social Science. Maximum 10 credits from any distribution area; no more than five credits in foreign language or performance arts.

Humanities and Social Science courses 15

NATURAL SCIENCE AND ENGINEERING

CHEM& 161 General Chemistry I	5.5
CHEM& 162 General Chemistry II	5.5
ENGR 111 Intro to Engineering I	5
ENGR& 214 Statics	5
ENGR& 215 Dynamics	5
ENGR& 225 Mechanics of Materials	5
PHYS& 241/231 Engineering Physics I	5.5
PHYS& 242/232 Engineering Physics II	5.5
PHYS& 243/233 Engineering Physics III	5.5

SPECIALIZATION COURSES

Minimum 16 credits. Select a minimum four courses as appropriate for the intended major and transfer institution. See curriculum guide for course recommendations.

CS& 131 Computer Science I	5
ENGR& 114 Engineering Graphics	4
ENGR 121 Intro to Engineering 2: Design	5
ENGR 201 Fundamentals of Materials Sci	5
ENGR& 204 Electrical Circuits	5
ENGR 216 Integrated Computer Aided Design	4
ENGR 220 Breaking Lab	2
ENGR& 224 Thermodynamics	5
ENGR 240 Applied Numerical Methods	5
ENGL& 230 Technical Writing	3
MATH& 264 Calculus	5

Minimum of 110.5 credits

ASSOCIATE OF SCIENCE IN COMPUTER AND ELECTRICAL ENGINEERING MAJOR-RELATED PROGRAM

The Associate of Science in Computer and Electrical Engineering AS-T Track 2/Major-Related Program (AS-T Track 2/MRP) prepares students who wish to pursue a bachelor's degree in engineering at a university following completion of an associate degree program that satisfies lower division general education requirements. This degree is accepted under agreement with designated Washington universities and satisfies the lower-division general education requirements in most cases. Advisor guidance is strongly recommended. To complete this degree students must:

- Successfully complete a minimum of 90-110 applicable quarter hours as listed in the Associate of Science in Pre-Engineering DTA/MRP and as outlined in the Engineering curriculum guide,
- Earn a minimum cumulative GPA of 2.0,
- Satisfy all requirements described earlier in graduation requirements for all certificates and degrees.

GENERAL REQUIREMENTS

Completion of a Diversity Course

BASIC COMMUNICATION SKILLS

ENGL& 101 English Composition I	5

BASIC QUANTITATIVE SKILLS

MATH& 151 Calculus I	5
MATH& 152 Calculus II	5
MATH& 163 Calculus 3	5
MATH 260 Linear Algebra	5
MATH 261 Differential Equations	5

HUMANITIES AND SOCIAL SCIENCE

Fifteen credits from the AAS DTA Humanities and Social Science distribution list.

Maximum 10 credits from any distribution area; no more than five credits at the 100 level in world language; no more than five credits of performance arts.

Humanities and Social Science courses	15

NATURAL SCIENCE AND ENGINEERING

CHEM& 161 General Chemistry I	5.5
CS& 131 or 141 Computer Science I	5
ENGR 111 Intro to Engineering I	5
ENGR& 204 Electrical Circuits	5
PHYS& 241/231 Engineering Physics I	5.5
PHYS& 242/232 Engineering Physics II	5.5
PHYS& 243/233 Engineering Physics III	5.5

SPECIALIZATION COURSES

Minimum 22 credits. Select a minimum of five courses as appropriate for the intended major and transfer institution. See curriculum guide for course recommendations.

BIOL& 222 Majors Cell/Molecular	5
CHEM& 162 General Chemistry II	5.5
CS 143 or 132 Computer Science I	5
CS 233 Advanced Data Structures	5
ENGR 121 Intro to Engineering 2	5
ENGR 202 Logic Circuits	6
ENGR 205 Electric Circuits Lab	1.5
ENGR& 214 Statics	5
ENGR& 215 Dynamics	5
ENGR& 224 Thermodynamics	5
ENGR& 230 Technical Writing	3
ENGR 240 Applied Numerical Methods	5
MATH& 264 Calculus 4	5

Minimum 106 credits

ASSOCIATE IN PRE-NURSING – DIRECT TRANSFER AGREEMENT/ MAJOR-RELATED PROGRAM

The Associate in Pre-Nursing Direct Transfer Agreement/Major-Related Program (DTA/MRP) prepares students who wish to pursue a bachelor's degree in nursing at a university following completion of an associate degree program that satisfies lower division general education requirements.

This degree is accepted under agreement with designated Washington universities and satisfies the lower-division general education requirements in most cases. Advisor guidance at both EvCC and the transfer institution is strongly recommended.

To complete this degree students must:

- Successfully complete a minimum of 90 applicable quarter hours as listed in the Associate in Pre-Nursing DTA/MRP,
- Earn a minimum cumulative GPA of 2.0,
- Satisfy all requirements described earlier in graduation requirements for all certificates and degrees.

GENERAL REQUIREMENTS

Completion of a Diversity Course

BASIC COMMUNICATION SKILLS

Ten credits; listed courses are required.

ENGL& 101 English Composition I	5
ENGL& 102 or 102D Composition II	5

BASIC QUANTITATIVE SKILLS

Five credits; listed courses are required.

MATH& 146 Introduction to Statistics	5

HUMANITIES

Fifteen credits from AAS DTA Humanities distribution list. CMST& 220 is required; CMST& 210 is recommended. Limit of five

credits from the Humanities performance category. Third course may not be a CMST course.

CMST& 220 Public Speaking	5
CMST& 210 Interpersonal Communication	5
Humanities course	5

SOCIAL SCIENCE

Fifteen credits.

PSYC& 100 General Psychology	5
PSYC& 200 Lifespan Psychology	5
ANTH& 206 or SOC& 101	5

NATURAL SCIENCE

Thirty-five credits minimum; courses below are required.

CHEM& 121 Intro to Chemistry	5
CHEM& 131 Intro to Organic/ Biochemistry	5
BIOL& 211 Majors Cellular	5
BIOL& 231 Human Anatomy	5
BIOL& 232 Human Physiology	5
BIOL& 260 Microbiology	5
NUTR& 101 Nutrition	5

ELECTIVES

Minimum 10 additional credits from the AAS DTA approved lists of Humanities, Social Sciences or Natural Science.

Elective courses	10

Minimum 90 credits

ASSOCIATE IN APPLIED SCIENCE - TRANSFER

This degree enables graduates of a specific technical program to transfer to a designated college or university. Students complete several general education courses and a large number of technical courses. Upon transfer, students will complete the remainder of the university's general education requirements as well as more advanced courses related to their professional technical career preparation. To earn this degree:

- The student must successfully complete a minimum of 90 quarter hours of courses numbered 100 and above in an approved program, with a cumulative GPA of at least 2.0, and
- Satisfy all requirements described earlier in graduation requirements for all certificates and degrees.

This degree is available in Aviation Maintenance Technology, Criminal Justice, Fire Science, Information Technology, Medical Assistant and Nursing. Refer to the program curriculum guides for degree details.

GENERAL REQUIREMENTS

Completion of a Diversity Course

GENERAL EDUCATION REQUIREMENTS

Twenty credits. Listed courses are required. See curriculum guide for chosen discipline for other required courses.

ENGL& 101 English Composition I	5
Communication course	5
Quantitative skills course	5
Course from Humanities, Social Science or Natural Science	5

REQUIRED CORE COURSES

Required courses in chosen discipline subject matter. See curriculum guide for chosen discipline for specific course requirements.

Core requirements	30-65

ELECTIVES

Choose from courses numbered 100 or above.

Elective courses 5-40

Minimum 90 credits

ASSOCIATE IN GENERAL STUDIES (AGS)

The degree in Associate in General Studies is designed for students who wish to complete a degree in general studies. To earn this degree:

1. The student must successfully complete a minimum of 90 credits with a cumulative GPA of at least 2.0. At least 30 credits must be in traditionally graded courses numbered 100 or above.

2. Courses selected to satisfy the humanities, social science, and science/math requirements must be from at least three different disciplines.

3. At least 25 of the credits must satisfy the following basic skills and general education requirements:

a) Communications

5 credits minimum, from English 098 or &101 or CMST &210, &220

b) Quantitative Skills

5 credits, to be selected from any EvCC Math course numbered 076 or above (Math 78/79 not allowed), or any 5 credit course that meets the Basic Quantitative Skills requirement of the AAS-DTA degree. High school equivalent courses may not be substituted.

c) Humanities

5 credits minimum from the published AAS - DTA guide

d) Social Sciences

5 credits minimum from the published AAS - DTA guide

e) Natural Sciences

5 credits minimum from the published AAS - DTA guide.

f) Electives

Elective courses 65

Minimum 90 credits

4. Satisfy all requirements described earlier in graduation requirements for all certificates and degrees.

5. Courses designed solely for high school completion programs may not be used for the AGS. At EvCC these courses are: WFT 079, 081, 083, 084, 089; all courses with GED prefix; all courses with HSC prefix; TS 031, 032, 033, 034, 035, 036, 051, 052, 053, 054, 055, and 056.

ASSOCIATE IN FINE ARTS (AFA)

The Associate of Fine Arts is designed for students pursuing the fine arts, but does not transfer to other colleges and universities the way the Associate of Arts & Sciences – DTA does. The AFA is accepted by The Evergreen State College and some other colleges.

Students pursuing a Bachelor of Arts or a Bachelor of Fine Arts should consult their faculty advisor and the university in which they intend to enroll about transferability.

1. Basic Skills Distribution (15 credits minimum)

Communication Skills (10 credits from the following:)

English &101 (required)

Communication Skills (see checklists)

Quantitative Skills (5 credits minimum)

Business 130 (not recommended for transfer)

Math &107, 138, &141, &146, &148, &151, &152

Philosophy &120

2. Core Art Skills (53 credits) (see degree planning guide)

Photography

Studio Arts

3. Humanities Distribution (5 credits)

To be selected from the Humanities Distribution in the Associate in Arts and Sciences DTA. ART 124D recommended.

4. Social Sciences Distribution (5 credits)

To be selected from the Social Sciences Distribution in the Associate in Arts and Sciences - DTA.

5. Natural Sciences Distribution (5 credits)

To be selected from the Natural Sciences Distribution in the Associate in Arts and Sciences – DTA.

6. College Success class (2 credits)

7. Interdisciplinary Skills (5-10 credits)

Art	ART 110
Drama	DRMA &101, 102, 107D
Film	FILM 100
Graphic Arts	GRAPH 110
Journalism	JOURN 101, 102, 110, 170
Music	MUSC &105, 110D, 115, 116
Photography	PHOTO 110
Writing/English	ENGL 105, 106, 108, 109

ASSOCIATE IN TECHNICAL ARTS (ATA)

The degree of Associate in Technical Arts (ATA) is awarded for completion of a program of study in technical education, the purpose of which is to prepare students for related employment with skills that meet the needs of the business community. To earn this degree the student must successfully complete a minimum of 90 credits, with a cumulative GPA of at least 2.0, which must include:

1. All courses required or satisfaction of the specific technical program requirement as outlined in the appropriate curriculum guide.

2. The following general education requirements:

A. Communications

Minimum of 5 credits selected from ENGL 098, ENGL& 101, CMST& 210, CMST& 220, or CMST 204

B. Quantitative Skills

Minimum of 5 credits. Select a course from the AAS – DTA quantitative skills list, or complete the course(s) identified as the quantitative skills course(s) in the ATA curriculum guide for the appropriate degree.

C. Human Relations

Minimum of 3 credits. Select from BUS 110, BUS 165, CMST& 210, CMST& 230, H DEV 155, HLTH 150

3. Computer Literacy will be embedded or listed as a requirement of the program.

Each technical program will be responsible for students' use of computers and technology as appropriate in their course of study.

4. Appropriate safety, industrial safety, and environmental awareness instruction will be included in the specific technical program requirements.

5. Students must complete a diversity course. Courses are listed in the Class Schedule with a Diversity Class Attribute. The diversity course may also be used to meet degree requirements, such as Communications, depending on the course selected, although the credit will only be counted once.

6. Satisfy all requirements described earlier in graduation requirements for all certificates and degrees.

BACHELOR OF APPLIED SCIENCE - Accounting

Acceptance into the BAS in Accounting is required. Students need to complete the BAS in Accounting application process to ensure they meet the entry requirements for this program and also receive an acceptance letter into the program. Once students have received an acceptance letter into the BAS in Accounting program, students can enroll in the courses listed below. Students must work with their program advisor to determine a quarter-by-quarter course plan since not all courses are offered every quarter. Some General Education courses may have already been completed at the associate level, thus why meeting with a program advisor to set up a quarter-by-quarter course plan is required.

Students must earn a C grade (2.0) or better in many of the courses. Courses may be subject to prerequisites.

To earn this degree, the student must successfully complete a minimum of 180 credits (90 credits in undergraduate classes and 90 in upper division).

1. The following general education requirements:

A. Communications

10 credits from ENGL& 101, ENGL&235

B. Quantitative Skills

5 credits from MATH&107

C. Humanities

10 credits. Select from CMST& 210 or CMST& 220 or CMST& 230 or CMST 204 (D), or PHIL 360

D. Social Sciences

10 credits from BUS& 201 and one additional class from the approved DTA Social Sciences course list. BUS&201 is recommended.

E. Natural Sciences

5 credits from approved DTA Natural Sciences course list

5 credits from approved DTA Natural Sciences course list with lab

F. Additional General Education

15 credits of CMST 340, BUS 350 and ECON&201 OR ECON&202

G. Core Requirements

50 credits from ACCT 300, ACCT 350, ACCT 351, ACCT 360, ACCT 370, ACCT 400, ACCT 420, ACCT 450, ACCT 470 and ACCT 490

Total Units Required: 90 Associate units + 90 BAS units = 180 units

TRANSFER POLICY

Transferability of Courses

As an accredited institution, college-level credits from Everett Community College may be evaluated for transfer credit by other colleges and universities.

The transfer institution determines the transferability of courses toward baccalaureate degrees. Courses are evaluated by the transfer institution on a course-by-course basis as equivalent to required or elective courses. The Associate of Arts and Sciences degree-DTA, the Associate of Science, and the Associate in Business-DTA operate under special transfer agreements with other Washington colleges and universities and with some Oregon colleges and universities, usually enabling the student to transfer two full years of credit to the transfer institution.

EvCC curriculum guides assist students in the selection of appropriate courses for various programs, but it is the responsibility of each student to determine that the courses chosen meet the requirements of the selected transfer institution. The transferability of non-traditional credits such as military and CLEP should be confirmed with the

institution to which the student intends to transfer. Courses numbered below 100 are not transferable.

Students should maintain a 2.0 (C) or higher grade in each course applied toward communication, quantitative skills, humanities, social sciences, and natural sciences distribution areas, as well as in all courses applicable to their intended majors. Some upper-division schools will not accept courses with grades lower than a 2.0. Most universities will require a cumulative GPA well above 2.0.

Entrance Requirements for Transfer

A transferring student will be expected to meet the entrance requirements of the two-year or four-year college or university at the time of transfer. An institution to which an official transcript has been sent may re-compute the grade point average of the entering student in accordance with its own requirements and policies; this may happen frequently when non-traditional grades (S,U,I,W,Y, and V) are on the transcript.

General Steps in Transferring

Students who plan to transfer to a four-year college or university from Everett Community College should complete the following steps:

- Obtain an EvCC curriculum guide for the chosen program from the Enrollment Services office. Confer with your faculty advisor each quarter. You may find that you need to explore some areas before deciding on a major.
- Obtain a current copy of the catalog of the college to which you want to transfer and study the requirements. Most colleges have placed their catalogs on the web. Our transfer website can be helpful also: EverettCC.edu/Transfer.
- Identify a university major no later than the beginning of your second year, and focus on the university requirements for that major with your advisor. Some universities give admission preference to applicants who have completed courses that prepare them to start their major. In some cases, priority for admission is given to qualified students who have completed their associate degree with courses preparatory for a specific major.
- Confer with an admissions officer at the transfer college to obtain application forms and arrange to see an advisor.
- Check periodically before transferring to be sure that all requirements are being met and all necessary steps are taken in compliance with specified deadlines.
- Watch for notices of four-year college and university representatives on campus.

THE WASHINGTON 45

The list of courses in Washington 45 does not 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 selected from within the general education categories listed below at a public community, technical, four-year college or university 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

COLLEGE VOCABULARY

Academic Honors
Students who achieve quarterly grade point averages (GPAs) of 3.60 to 3.99 in at least 10 EvCC traditionally graded credits are recognized by the Office of the Vice President of Instruction. Those who achieve a quarterly GPA of 4.0 are recognized by the President's Office.

Accredited College
Certified by a regional accrediting agency as having fulfilled minimum standards. Credits from regionally accredited schools are usually transferable. Some schools are accredited by national accrediting bodies, and in some cases courses from such schools may be transferable.

Admission
Admission is the process of completing and submitting a college application. Most students complete the online application via web admissions. Some programs have additional or alternate admission processes.

Admissions Application
The process by which individuals apply to gain entry into a college or university. A web-based application allows an individual to apply for admission to several of the community and technical colleges within the state of Washington. Once processed, students are matriculated. They then receive an admissions letter via email with their ctcLink Student Identification Number (SID) and information about the next steps to take. Some programs have additional or alternate admission processes. Applying for admission is a separate process from applying for financial aid.

Advisor
A member of the college faculty designated to assist students in planning their programs of study. This includes general academic, program-specific, and entry advising.

Audit
Taking a class without receiving credit or a grade. Full tuition and fees must be paid.

Blocks
A block is punitive in nature, preventing a student from registering for classes, and/or from obtaining an official transcript. Blocks are not removed until the student has conducted whatever business is needed to do so (pay a fine, meet with a dean, etc.).

Catalog
The annual contract with students. The catalog contains college policies and procedures. This contains course definitions and descriptions.

Class
A specific section of a Course (English 101 Section A), has a class number.

Class Item Number
A 5-digit number found in the class schedule, specific to the class, section, and the quarter offered.

Class Section
Courses are broken down into class sections. They are the same class offered at different times, locations, and can differentiate teaching modalities such as in-person, online or hybrid classes. Please refer to EverettCC.edu/Classes for a complete list of section definitions.

Class Schedule
The list of classes offered in any given quarter, and gives an overview of information found in the catalog. EvCC's class schedule is available online at EverettCC.edu/Classes.

College in the High School
A free dual credit program where high school students, grades 9 through 12, can take college-level courses at their high school.

Commencement
An annual ceremony recognizing students' academic accomplishments.

responsibility for meeting the new requirements.

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

College and University Rights and Responsibilities

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

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

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

DUAL ADMISSION PROGRAMS

Dual-admission programs enable EvCC students to make early application to a partner four-year university and gain a conditional admission while still enrolled at EvCC.

This early connection sets the stage for advising and course selection to ensure appropriate courses.

Dual-enrollment programs go a step further by allowing a student to take classes both at the community college and the university.

EvCC has a dual-admission agreement with University of Washington-Bothell.

REQUIREMENT CODE KEY

AAS	DTA code (if applicable)		Natural Science Lab	
C	Communication Skills		SS	Social Sciences
D	Diversity		Q	Quantitative Skills
H	Humanities		SS	Social Sciences
HP	Humanities Performance		TE	Transfer Elective (A list)
R	Human Relations		W	Writing
NS	Natural Science	NS-L		

Updates to these course listings can be found at
EverettCC.edu/Catalog

ACCOUNTING AND BOOKKEEPING

The Associate in Business DTA degree for business majors is a 90-credit program which includes the coursework required for transfer to a four-year college or university with junior-class standing. This is the recommended program for students who intend to earn a baccalaureate degree in any area of business administration, including accounting. Currently, individuals must hold a bachelor's degree to sit for the CPA Exam.

The 90-credit Associate in Technical Arts (ATA) degree program in accounting is designed for those who desire an associate degree in accounting and a position as a staff accountant in industry or government. While some of the coursework required for the bookkeeping certificate and ATA degree programs may be transferable to a four-year college or university, these programs are not intended for transfer.

The Bachelor of Applied Science (BAS) in accounting is designed to prepare individuals for a career in the Accounting field. Graduates from our program have the option of continuing their education to complete the Washington State Requirements to sit for the Certified Public Accounting (CPA) exam or moving directly into a career in Accounting. Career opportunities are available in both government and private sectors.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

Describe the multiple contexts of business-social, cultural, economic and legal-within a sustainable domestic and global environment.

Evaluate and process quantitative and symbolic data.

Define how elements of the legal environment impact business.

Demonstrate the ability to effectively plan and to communicate orally and in writing.

Apply appropriate technology and frameworks to input, manage, and interpret business information.

Record transactions and prepare financial statements for a business entity.

Faculty Advisors:
M. Eppley 425-388-9538 meppley@everettcc.edu

ACCT 100
Accounting for Non-Accountants 2
Overview of accounting practices, concepts, and vocabulary designed for non-accounting staff who work with accounting and financial data. Emphasizes the interpretation of accounting concepts that underlie basic financial statements with limited focus on the detailed mechanics. Fundamentals of accounting, accounting for sales, cost of sales and inventory, internal controls (cash), depreciation methods, financial statements, and financial statement analysis - including how to read, use, calculate key financial metrics, and interpret financial information.

ACCT 110
Small Business Accounting 5
Theory and practice of double-entry bookkeeping for small unincorporated businesses. Includes use of journals and ledgers, preparation of basic payroll records, worksheets, financial statements, bank statement reconciliations, and adjusting and closing entries. Emphasizes development of basic bookkeeping knowledge and skills. Not intended for transfer.

Prerequisites: Eligibility for MATH 76 or equivalent

ACCT 112
Business Taxation 5
Fundamentals of federal income taxes for sole proprietorship form of business. Includes an overview of federal law governing payroll taxes. Presents the basic framework of federal income tax filing requirements, the determination of and adjustments to gross income, personal and business deductions and business income. Covers preparation of a basic federal income tax return using income tax software. Not intended for transfer.

Prerequisites: ACCT 110 or ACCT& 201 with a grade of C or higher or instructor permission

ACCT 113
Personal and Consumer Finance 3
Introduction to planning, analyzing, managing, investing, growing and protecting personal financial resources. Includes money management, credit management, insurance, and investing. Working familiarity with MS Word and Excel recommended.

ACCT& 201
Principles of Accounting I 5
(TE) Introductory transfer-level accounting course. Required for all business administration transfer students. Includes introduction to the financial accounting process, principles, concepts, and issues that govern the preparation and interpretation of financial statements; theory of double-entry bookkeeping; accounting procedures for service and merchandising firms; and the accounting treatment for cash, receivables, and inventory.

Prerequisites: Completion of ACCT 110 or instructor's permission

ACCT& 202
Principles of Accounting II 5
(TE) Continuation of ACCT& 201. Focus on issues and choices involved in asset valuation, income determination, and financial statement preparation. Topics covered include treatment of long-term assets, current and long-term liabilities, short- and long-term investments, and transactions affecting stockholder equity. Also covers preparation of cash flow statements and calculation, as well as interpretation of financial performance ratios and comparative and common-size financial statements.

Prerequisites: Grade of C or higher in ACCT& 201 or instructor permission

ACCT& 203
Principles of Accounting III 5
(TE) Use of accounting as a tool to assist management in planning, analyzing, control, and decision making. Includes budgeting, cost behavior, cost-volume-profit analysis, standard cost systems, cost variance analysis, and capital project analysis using cash flow diagrams and present value techniques. Emphasizes accounting methods helpful in commonly encountered business decision problems.

Prerequisites: Grade of C or higher in ACCT& 202 or instructor permission

ACCT 210
Payroll 5
An examination of systems and operations of payroll accounting, including federal, state, and local payroll taxes related to business. Students will prepare payroll, record payroll, payroll tax forms, the basics of wage and hour laws - both federal and state. Coursework will be conducted utilizing manual methods, and computer-based software. Not intended for transfer students.

Prerequisites: ACCT 110 and BT 242 or instructor permission

ACCT 215
Computer Accounting 5
Introduction to computerized bookkeeping and accounting. The standard accounting cycle with supporting schedules and worksheets will be completed using various computer programs: Integrated General Ledger software, including QuickBooks, and spreadsheets. Not intended for transfer.

Prerequisites: ACCT 110 or ACCT& 201 or instructor permission

ACCT 230
Introduction to Fraud Examination **5**
Basic topics of fraud examination, including fraud schemes, laws related to fraud, the nature of fraud; understanding the implications of the fraud triangle; and risk assessment, prevention, detection, deterrence, and investigation of fraud. Gathering evidence through the examination of documents, interview theory and application, sources of information, accessing online information, tracing illicit transactions, ethics, report writing, and reporting standards.

Prerequisites: ACCT 100, ACCT 110 or ACCT &201 with a grade of C or higher, or concurrent enrollment in ACCT 100, or instructor permission

ACCT 250
Intermediate Accounting **5**
A continuation of ACCT& 202. Focuses on an expanded study of the fundamentals of accounting; including financial accounting theory and concepts; internal controls; financial statements; financial accounting reporting, including IFRS (International Financial Reporting Standards); financial analysis; inventory; operational assets; time value of money concepts; current, long-term and contingent liabilities. Includes accounting research, written and oral communication, and ethics considerations. May be repeated two times for credit.

Prerequisites: ACCT& 202 with grade of C or higher, or instructor permission

ACCT 300
Finance **5**
Introduction to financial decision making. Financial statement analysis, time value of money, risk and return, financial assets, securities valuation, capital budgeting, cost of capital, and capital structure.

Prerequisites: Grade of C or higher in ACCT 250 or instructor permission

ACCT 350
Intermediate Accounting II **5**
Continuation of the theoretical foundations of accounting. Valuation of assets, accounting for debt and equity investments, current liabilities and contingencies, bonds and long-term notes and lease accounting.

Prerequisites: Grade of C or higher in ACCT 250 or instructor permission

ACCT 351
Intermediate Accounting III **5**
Continuation of theoretical foundations of accounting. Accounting for income taxes, pensions and other post-retirement benefits, shareholder's equity, and additional financial reporting issues.

Prerequisites: Grade of C or higher in ACCT 350 or instructor permission

ACCT 360
Cost Accounting **5**
Exploration of the purpose and methods of cost accounting for efficient and effective planning and control. Examination of cost behavior and alternate costing methods including job order, process, and standard cost accounting systems and cost variances. Additional topics include budgets and profitability analysis.

Prerequisites: Grade of C or higher in ACCT& 203 or instructor permission

ACCT 370
Forensic Accounting **5**
Application of advanced accounting topics, cutting-edge investigative expertise, and legal issues in professional business settings. Focus on auditing, financial data, and accounting activities.

Prerequisites: Grade of C or higher in ACCT 351 and ACCT 360 or instructor permission

ACCT 400
Accounting Information Systems **5**
Introduction to systems analysis and the application of information system concepts to the accounting process. Manual and automated accounting cycles, system processes, controls, flowcharting data analytics, and internal controls pertinent to each of the major transaction processing cycles for a typical business enterprise.

Prerequisites: Grade of C or higher in ACCT 351 or instructor permission

ACCT 420
Auditing **5**
Introduction to auditing standards and the legal and ethical environment of the profession with emphasis on materiality, audit risk, and audit reports. The application of the audit process to multiple business cycles, internal controls, audit of financial statements utilizing work papers, sampling, and audit tests and procedures.

Prerequisites: Grade of C or higher in ACCT 400 or instructor permission

ACCT 450
Federal Income Taxation II **5**
Advanced approach to the principles of federal taxations. Concepts and provisions of federal income taxation in relation to property transactions for partnerships and corporations.

Prerequisites: Grade of C or higher in ACCT 112 or instructor permission

ACCT 470
Advanced Accounting **5**
Application of advanced accounting theory including business combinations, consolidated financial statements, and international transactions and investments. Mergers and acquisitions, subsidiary investments and transactions, international accounting issues and foreign currency transactions, derivatives, and hedging activities.

Prerequisites: Grade of C or higher in ACCT 351 and ACCT 360 or instructor permission

ACCT 490
Accounting Capstone **5**
Application of advanced accounting theory to complete a practical project in accounting with mentorship of instructor/accounting professional. Enhances student professional experience and critical thinking skills in specific curriculum-related areas of accounting including auditing, taxation, fraud, finance, payroll, receivables, payables, governmental, and nonprofit accounting.

Prerequisites: Grade of C or higher in ACCT 300, ACCT 351, ACCT 370, ACCT 400, ACCT 420, ACCT 450, ACCT 470

ACTING

See Drama

ADVANCED MANUFACTURING TECHNOLOGY

See Precision Machining / Manufacturing Technology Engineering Technology Composites Technology Welding and Fabrication Technical Design (CAD)

Advanced Manufacturing Technology is a set of related degrees that address the career pathway of manufacturing across the full range of design to finished product. These related programs are Technical Design (Computer Aided Design), Welding and Fabrication, Precision Machining and Composites. A core curriculum provides all students with an exposure to the principles of manufacturing operations, applied technology, industrial safety, problem solving in technical applications, creation and application of computerized design, and general college competencies. Beyond this foundation students choose a field of expertise and specialize in their chosen program area.

Faculty Advisors:

M. Patching	**425-388-9092**	**mpatching@everettcc.edu**
D. Primacio	**425-267-0160**	**dprimacio@everettcc.edu**

AMERICAN SIGN LANGUAGE

See World Languages

Don't see the language you're looking for? Please visit EverettCC.edu/WorldLanguages for a list of language courses offered at Everett Community College.

ANTHROPOLOGY

Anthropologists study humanity; this requires taking what is called a 'holistic' approach. The breadth of educational experiences available in anthropology includes four sub-disciplines: archaeology, biological anthropology (physical), cultural anthropology (ethnology), and linguistics. Courses in anthropology are offered in both the social sciences and in the natural sciences.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

Students learn how to collect information from different types of written sources

Students present a synthesis of the data they collect in the form of written and/or oral presentations

Students incorporate a cultural relativistic perspective into all course work

Students demonstrate how the biocultural model is integral to understanding the world from a holistic perspective

Students analyze the human condition both in a historical context and from the stance as a global citizen

Faculty Advisor:

O. Marquez	**425-388-9342**	**omarquez@everettcc.edu**
D. Brown	**425-388-9575**	**dbrown@everettcc.edu**

ANTH& 115
Our Place in Nature **5**

(NS) General study of the field of archaeology, which explores human cultures through an examination of material remains and how archaeologists gather and use scientific data. Also this course is a general study of the field of biological anthropology, using evolutionary theory to explore human biological variation, the origins, major evolutionary trends, and modern taxonomic relationships of the nonhuman primates as well as the human fossil record in geological context of the last six million years of earth history. Writing assignments represent a significant component of coursework.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101

ANTH 116
Cultures in Context **5**

(SS, D) General study of the field of cultural anthropology, which studies humanity from a cross-cultural perspective and the field of linguistic anthropology which examines human verbal and non-verbal communication. Writing assignments represent a significant component of coursework.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101

ANTH 122
Human Diversity **5**

(SS, D) This course explores the historical context in which racial categories were invented and acknowledges that this racialization of America resulted in disparities in lived experiences. Also discusses that human variation is real, but is not the same as race. Addresses the connections of racial categories to gender and class. Writing assignments represent a significant component of coursework.

Prerequisites: Eligibility for ENGL& 101

ANTH 182
Service Learning **1-2**

Service Learning combines the opportunity of volunteerism with academic applications of social, economic, and political issues important to the local community. Provides for real-life application of skills and knowledge that extends learning beyond the classroom and into the community. May be repeated up to six credits.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101

ANTH 201
Human Ecology I **5**

(SS) Apply traditional ecological knowledge and modern science to contemporary problems. Partner with tribes, governments, non-profits and businesses to make our community more sustainable through wildlife tracking, habitat restoration and environmental stewardship.

Prerequisites: Completion of ENGL 98 or ESL 98 or IELP 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission

ANTH 202
Human Ecology II **5**

(SS) Apply traditional ecological knowledge and modern science to contemporary problems. Partner with tribes, governments, non-profits and businesses to make our community more sustainable through wildlife tracking, habitat restoration and environmental stewardship.

Prerequisites: ANTH 201 and completion of ENGL 98 or ESL 98 or IELP 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission

ANTH 203
Human Ecology III **5**

(SS) Apply traditional ecological knowledge and modern science to contemporary problems. Partner with tribes, governments, non-profits and businesses to make our community more sustainable through wildlife tracking, habitat restoration and environmental stewardship.

Prerequisites: ANTH 202 and completion of ENGL 98 or ESL 98 or IELP 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission

ANTH& 204
Archaeology **5**

(SS) Archaeology explores and examines the prehistoric and historic record. Focus on methods used to locate, sample, and evacuate sites, techniques for dating archaeological materials, aspects of the analysis of archaeological remains, and problems encountered using examples drawn from archaeological investigations around the world. Controversial cultural issues are explored and students learn the value of the archaeological record and the importance of heritage conservation. Writing assignments represent a significant component of coursework.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101

ANTH& 206
Cultural Anthropology **5**

(C,SS,D,W) Introduction to the study of culture and society using a cross-cultural perspective to gain better understanding of family life, kinship, economic, political, and religious systems in various societies around the world. Includes training in fundamentals of social and cultural anthropology. Writing assignments, which represent more than 50% of the coursework, are designed in compliance with the expectations for a W-designated course.

Prerequisites: Completion of ENGL& 101 with a grade of C or higher

ANTH& 215
Bioanthropology w/Lab **5**

(NS-L) Study of primates and hominids, including human evolution based upon evidence from genetics, comparative morphology, the fossil record and primate behavior. Satisfies lab natural science distribution credit. Writing assignments represent a significant component of coursework.

Prerequisites: ENGL& 101 with a grade of C or higher. MATH 86 or MATH 091 with a grade of C or higher, or eligibility for MATH 96 via a math assessment

ANTH& 216
Northwest Coast Indians **5**

(SS, D) Overview of traditional native societies of the Northwest Coast from southern Alaska to northern California; significant features such as art, totemic crests, rank, religious beliefs, the potlatch, fishing and foraging are illustrated by comparisons and by selected ethnographic sketches; the contemporary situation in context of continuity with the past. Writing assignments represent a significant component of coursework.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101

ANTH 230
African American Experiences **5**

(SS, D) Anthropological analysis of how African Americans contribute to American society, understanding of the varied African American ethnicities using fieldwork and ethnographic studies. Writing assignments represent a significant component of coursework.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101

ANTH& 234
Religion and Culture **5**
(SS, D) Comparative social anthropological study of religious systems. Inquiry into various aspects of comparative tribal and world religions such as symbolism, rituals, doctrines, myths, religious specialists, personal, ecological, and social meaning of belief systems as these create religious worlds that are the context in which people live their lives. Writing assignments represent a significant component of coursework.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101

ANTH 255
Medicine across Cultures **5**
(SS, D) Cross-cultural analysis of the environmental, historical, biological and cultural contributions to illness and health. Also offered as SOC 255D. Credit may not be earned in both SOC 255D and ANTH 255D. Writing assignments represent a significant component of coursework.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101

ANTH 270
Field Methods in Archaeology I **5**
(SS) Experience archaeological field methods through lectures, excavation, and laboratory analysis of cultural materials. Immersion in local culture and history enables students to contribute to public education efforts and gain traditional cultural knowledge.

Prerequisites: Completion of ENGL 98 or ESL 98 or IELP 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission

ANTH 271
Laboratory Methods in Archaeology I **2**
(SS) "Hands on" work with archaeological materials in a laboratory setting and proper techniques of artifact preparation, identification, documentation, data collection, and curation. Analytic techniques applied to current research questions.

Prerequisites: Completion of ENGL 98 or ESL 98 or IELP 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission

ANTH 272
Field Methods in Archaeology II **5**
(SS) Experience archaeological field methods through lectures, excavation, and laboratory analysis of cultural materials. Immersion in local culture and history enables students to contribute to public education efforts and gain traditional cultural knowledge. Students serve as peer advocates for introductory students.

Prerequisites: ANTH 270 and ANTH 271

ANTH 273
Laboratory Methods in Archaeology II **2**
(SS) "Hands on" work with archaeological materials in a laboratory setting and proper techniques of artifact preparation, identification, documentation, data collection, and curation. Analytic techniques applied to current research questions. Students serve as peer advocates for introductory students.

Prerequisites: ANTH 271

ANTH 274
Field Methods in Archaeology III **5**
(SS) Experience archaeological field methods through lectures, excavation, and laboratory analysis of cultural materials. Immersion in local culture and history enables students to contribute to public education efforts and gain traditional cultural knowledge. Students serve as peer advocates for introductory students and explore archaeology careers.

Prerequisites: ANTH 272

ANTH 275
Laboratory Methods in Archaeology III **2**
(SS) "Hands on" work with archaeological materials in a laboratory setting and proper techniques of artifact preparation, identification, documentation, data collection, and curation. Analytic techniques applied to current research questions. Students serve as peer advocates for introductory students and explore archaeology careers.

Prerequisites: ANTH 273

APPRENTICESHIP

The College cooperates with local joint apprenticeship committees to offer classes in related trade training for apprentices. According to state apprenticeship law, state and local boards responsible for vocational education shall oversee related and supplemental instruction of apprentices for no less than 144 hours of regular class attendance per year during the apprenticeship-training period. The courses are open only to indentured apprentices.

The following apprenticeship programs are currently approved and offered through the unions in cooperation with Everett Community College.

PUD - 425-783-5035

We also offer apprenticeships through AJAC in Machining and Industrial Maintenance. For more information call 206-764-7940.

The College provides the ATA in Apprenticeship for apprentices who reach journeyman status and complete additional college credit requirements at EvCC.

For information and advising regarding apprenticeships and the ATA in Apprenticeship, contact the Aerospace & Advanced Manufacturing Careers Division at 425-388-9570 or mfg@everettcc.edu.

AMTA 103
Aircraft Maintenance General Topics II **5**
This apprenticeship course covers identification and selection of fuels, proper treating of structural corrosion and proper maintenance record entries. Course includes: identification of fuels, procedures for proper engine run-up, aircraft movement, tie-down, cleaning and corrosion control, applications of geometry and algebra, and records maintenance. This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: Instructor permission

AMTA 104
Aircraft Structures I **5**
This apprenticeship course covers physics, government regulations for aviation maintenance, mechanic privileges, wood structures, aircraft covering and finishes. Course includes: mechanical advantage conversion FAA regulations, AMT expectations, woodcraft repair, airworthiness of fabrics, and airframe structure protection. This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: Instructor permission

AMTA 201
Aircraft Structures II **5**
This apprenticeship course covers sheet-metal and nonmetallic composite structures, welding an aircraft; aerodynamics of flight, and routine inspection. The course includes: metallic aircraft structures, assembly and rigging, determination of the legal airworthiness of an aircraft, power plant, and components. This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: Instructor permission

AMTA 202
Aircraft Systems I **5**
This apprenticeship course covers shock struts, wheels and tires, brakes; steering, warning, and anti-skid, systems, safety practices; hydraulic fluid types and characteristics; hoses, fittings, attachments, and seals; inspection, servicing, and standard maintenance practices. The course includes: steering systems, electrical brake controls, retraction and position indicating systems, power system components, and safety practices. This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: Instructor permission

AMTA 203
Aircraft Systems II **5**
This apprenticeship course covers cabin atmosphere control systems, aircraft instrument systems, communication and navigation systems, and aircraft fuel systems, tanks, valves, and pumps. Topics include: maintenance of cabin environment, data for power plant, electronic navigation and carrying of flammable material. This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: Instructor permission

AMTA 204
Aircraft Systems III **5**
This apprenticeship course teaches students to identify and install the correct types of connectors on aircraft electrical wiring, the size and type of wiring and approved components in an electrical system. Topics covered include Aircraft Electrical Systems, Position and Warning Systems, Ice and Rain Control Systems and Fire Protection Systems. This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: Instructor permission

AMTA 205
FAA Certification Test Prep **5**
This apprenticeship course teaches students to identify and install the correct types of connectors on aircraft electrical wiring, the size and type of wiring and approved components in an electrical system. Topics covered include Aircraft Electrical Systems, Position and Warning Systems, Ice and Rain Control Systems and Fire Protection Systems. This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: Instructor permission

FIRE 195
Firefighter Academy, Full-time Recruits **26**
Comprehensive foundational skills of firefighting enhanced with additional skills and lab hours oriented toward full-time recruit positions. Topics: orientation & safety, fire behavior, fire hose & streams, ladders & ventilation, rescue extrication, and live fire training. Students test for Washington State certifications to national standard: Firefighter I, Firefighter II, Hazardous Materials Awareness, Hazardous Materials Operations. Entry requires an approved application, including passing the Candidate Physical Ability Test (CPAT), and instructor permission.

Prerequisites: New recruit/hire to a full-time career position by a fire department of Snohomish County

IMMA 203
Maintenance Mechanic Mechanical Systems **5**
The apprentices will learn to maintain all of the elements of a mechanical system. Apprentices will begin by exploring mechanical fundamentals such energy, mechanical forces, and simple machines. Apprentices will learn to troubleshoot, assemble, and maintain couplings, gears, pulleys, chains, sprockets, and brakes. Hands-on activities include the disassembly, repair, and assembly of mechanical systems found in industry such as gearboxes, worm drives, standard transmissions, and differential drives. Apprentices will also practice alignment skills using a simulation station.

Prerequisites: Instructor permission

INT 101
Manufacturing Basics **3**
Topics include: Newton's Law, types of pressure, definitions of energy, force, torque, and gas laws. Provides an introduction to basic electrical practices. This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: Instructor permission

INT 108
Introduction to Blueprints **3**
A review and experiential exercise in interpreting technical drawings. This course introduces students to the various sources of information found within technical drawings and provides practice interpreting various projections. Functions and application of linear dimensioning, tolerancing, lines and symbols. Basic vocabulary, conversions between metric and inch/pound measurements, as well as scales and datums will be explored. This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: Instructor permission

INT 110
Math for Manufacturing **3**
An introduction to common applications of mathematics within manufacturing. Developing proficiency in arithmetic calculations and applying mathematical principles for effective on-the-job training applications. The use of mathematical symbols and processes as they relate to machine control and repair/fabrication methods is emphasized. This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: Instructor permission

INT 112
Manufacturing Tools and Trades **5**
Provides participants with entry-level manufacturing skills. The use of hand tools, shop and manufacturing tools, shop safety, personal protective equipment and quality control concepts. Welding and electrical skills are also covered. Group and individual projects using technical drawings that apply learned theory to develop and utilize critical thinking and problem solving skills. This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: Instructor permission

INT 180
Introduction to Composites **3**
The properties and processing of solid materials used in manufacturing (ceramics, metals, polymers, and composites) through classroom and lab activities. An introduction to fiber-reinforced composites and students will learn about the properties and processing of composites materials used in advanced manufacturing. This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: Instructor permission

MT 101
Industrial Manufacturing Safety **5**
Apprentices will be oriented to the occupation and learn about foundational safety requirements specific manufacturing and production. Course content will include basic shop safety, OSHA 10 and CPR/First Aid. The course will introduce the concepts of working in a safe and productive manufacturing workplace, safety, and environmental assessments, emergency drills and emergency teams, unsafe conditions and corrective action, equipment safety training, processes and procures that support a safe work environment, safety and health requirements for maintenance, installation and repair, monitoring safe equipment and operator performance, and effective safety enhancing workplace practices. *This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: Instructor permission

MT 102
Industrial Manufacturing Basics **5**
Apprentices will apply quality and continuous improvement practices to manufacturing and production. The course will introduce quality assurance, inspection, blueprint reading, interpreting manufacturing documents, precision measurement, and basic tools/equipment use and knowledge. Apprentices will learn the process of periodic or statistically based internal quality audit activities, check and document calibration of gauges and other data collection equipment, suggest continuous improvements, inspect materials and product/process at all stages to ensure they meet specifications, document the results of quality tests, communicate quality problems, take corrective actions to restore or maintain quality, use common measurement systems and precision measurement tools.

*This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: MT 101 AND instructor permission

MT 103
Industrial Manufacturing Production Processes **5**
Apprentices will learn to identify customer needs and required resources for production. They will learn about production, communication, lean manufacturing, problem solving and front line leadership techniques. The course will introduce the set up and operation of machines including tooling and equipment. Apprentices will learn to identify customer needs, determine resources available for the production process, set up equipment for the production process, set team production goals, make job assignments, coordinate work flow with team members and other work groups, communicate production and material requirements and product specifications, perform and monitor the process to make the product, document product and process compliance with customer requirements, and prepare final product for shipping or distribution. Additionally, students will examine emerging industrial technologies and trends in green manufacturing.

*This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: MT 101, MT 102, AND instructor permission

MT 104
Industrial Manufacturing Machine Maintenance **5**
Apprentices will learn the foundational principles and skills relating to machine maintenance awareness. They will learn to apply principals of welding, basic electricity, and fluid power systems to manufacturing equipment. Apprentices will examine common applications for lubricants, coolants, bearings, couplings, belt drives and chain drives. The course will apply machine control and automation concepts to awareness of machine maintenance. Apprentices will learn how to perform preventive maintenance and routine repair, monitor indicators to ensure correct operations, perform all housekeeping to maintain production schedule, recognize potential maintenance issues with basic production systems, including knowledge of when to inform maintenance personnel about problems with electrical, pneumatic, hydraulic and other systems.

*This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: MT 101, MT 102, MT 103, AND instructor permission

PMF 101
Introduction to Precision Metal Fabrication **5**
Basics of controlled punching, laser cutting, forming machines and machining operations. Introduces processes such as: setup, print reading, job planning, measuring skills, math (up to algebra), tooling, and machine anatomy. Safety, First Aid and CPR will also be addressed.

Prerequisites: Instructor permission

PMF 102
Precision Metal Fabrication Technology **5**
Identification and use of tools such as die, square, forklift, cutting tools (laser cutting and shears), hand punch, Cleco tools (traditional pliers and pneumatic), and rivet guns. Uses of fixturing, compressed air, single pallet load/unload systems, LEAN, and rack mounts, tooling theory and construction of tooling.

Prerequisites: Instructor permission

PMF 103
Materials, Processes, References **5**
Materials and processes used in precision metal fabrication through various sources and hands-on activities. Analysis of essential metals such as steel alloy, stainless steels, aluminum, and sheet metal. Metallurgy, annealing, machinability, tensile properties, Heat treat, properties of bending metal etc. Materials and their properties; various processes for converting material into manufactured parts; and the interrelation between materials and processes, regarding feasibility and cost, the heat treating processes, material identification, and methods of material testing. The importance of safety and the necessity of precision are demonstrated throughout.

Prerequisites: Instructor permission

PMF 104
CNC Operation and Setup **5**
Computer numerical control (CNC) setup and operation, with a special focus on CNC punch presses, CNC press breaks, Turning centers, milling machines, and crash avoidance. Implementing documentation regarding setup, Loading tools into holders, Inputting programs into machine control, Setting TLOs (tool length offsets), Establishing work coordinate and work shift offsets, Dry run operations, Machining of a part, Part inspection, Adjustment of offsets, and Documentation for future usage.

Prerequisites: Instructor permission.

PMF 201
Shop Math **5**
Standard shop computations relating to the dimensions of the work. Relevant mathematical concepts taken from Algebra, Geometry, and Trigonometry, for understanding formulas, ratios, and measuring techniques. Basic skills review (such as adding, subtracting, multiplying, and dividing). Evaluation of algebraic expressions, simplifying algebraic expressions, properties of real numbers, solving linear equations and inequalities, simplifying monomial fractions, solving fractional equations, and inequalities. Ratio, proportion, percentage, and linear measurements. Fundamentals of algebra with regard to application of formulas for cutting speed, RPMs, cutting time, and spur gears. This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: Instructor permission

PMF 202
Engineering Drawings **5**
Interpreting technical drawings and transforming drawings into manufactured products. Interpretation of Blue Prints specifications, with ADCNs, and DCNs. Decoding blueprints, sketches, parts lists, layout, and assembly drawings. Flat pattern layout, Inserts, and Rapid prototyping. Theory and application of engineering drawings, including drawing zones, sketching and block lettering, geometric construction and the relationship of detail, standard, section and auxiliary views. This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: Instructor permission

PMF 203
Safety and Inspection **5**
Processes that have special conditions that require further precautions. Hazardous materials, washers, sealers, masking, coatings (such as paint- including metalized paint for plastics, anodize, chrome, and Teflon finishes), and surface finishes (such as matt, gloss, and wrinkle). Paint booths, powder booths, and batch ovens. This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: Instructor permission

PMF 204
Computer Aided Design and Manufacturing **5**
Introductory computer skills, CAD (SolidWorks), and CAM. Develop Solidworks drawings, and fabricate from these drawings, as well as use precision instruments to work within close tolerances. Introduction to parametric, three-dimensional modeling using CAD software. Navigation within software to create wire frame drawings and solid models using industry best practices and manipulate solid model assemblies. This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: Instructor permission

PPT 223
Manufacturing Management **5**
Essential management concepts for the modern plastics processing manufacturing industry. The role of Just in Time (JIT) and LEAN manufacturing in today's industries. Interrelated concepts of planning, production and workflow; personnel, inventory, marketing and sales; as well as managing costs, quality, and efficiency. The use of technology, from basic computing practices to Enterprise Resource Planning Systems, in manufacturing management.

This course is open only to current Aerospace Joint Apprenticeship Committee (AJAC) enrolled students.

Prerequisites: Instructor permission

ARABIC

See World Languages

Don't see the language you're looking for? Please visit our website at EverettCC.edu/World Languages for a list of language courses offered at Everett Community College.

ART

Art courses emphasize the development of knowledge and skills in design, drawing, painting, ceramics, sculpture, visual culture and art history. Students pursuing an AFA degree choose a specific disciplinary concentration. Most art courses satisfy the Humanities or Humanities Performance graduation distribution requirement.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Critique work, verbally and in writing, using the foundational language of the visual arts
- Describe and interpret, verbally and in writing, their own and other's work in the chosen program of study
- Demonstrate proficiency in the use of tools, techniques, and processes relevant to the chosen program of study
- Create a body of work that demonstrates proficiency in the skills and personal creativity within the program of study
- Integrate knowledge of the chosen program of study with understanding of the social, historical and aesthetic context of artistic work
- Describe educational and/or professional opportunities and objectives in the chosen program of study

Faculty Advisors:

L. Berkley	**425-388-9318**	**lberkley@everettcc.edu**
N. Jones	**425-388-9366**	**njones@everettcc.edu**
T. Lee	**425-388-9442**	**tlee@everettcc.edu**

Printmaking Studio

Prior to registering for this studio, lab students must contact the studio technician in Whitehorse Hall, room 320, to complete an open studio use agreement. For more information, contact Miles Labitzke, 425-388-9033. Self-support, non-tuition, non-credit. Studio use fee: $180. Non-refundable.

ART& 100
Understanding Art **5**

(H) Introductory course in viewing and participating with the human created visual world. Exploration of the language, processes and role of art in many media. Development of visual literacy through learning a critical method for understanding, analyzing and interpreting imagery. Brief historical overview and inclusion of the art of many cultures. Regular written assignments, readings, and slide analysis. Gallery and museum visits.

ART 110
Design I: Two-dimensional Visual Foundations **5**

(HP)This course is a foundational course in developing the recognition, understanding, and manipulation of the basic principles and elements of design as applied to two-dimensional art. Faculty structured assignments will focus on the use of the design elements and organizational principles as a point of departure for critical thinking and creative problem solving.

ART 111
Design II: 3 Dimensional **5**

(HP) Continued exploration of the basic principles and elements of design as applied to three-dimensional art. Faculty structured assignments focus on the use of line, planes, surface, materiality, shape, volume, and structure with emphasis on craft and presentation. Basic principles and elements used to solve 3-D visual problems in a variety of materials using hand tools.

ART 112
Design III: Advanced Design **5**

(HP) Advanced course in the principles and elements of design. Emphasis on application of design principles to develop and produce communicative images by working in a series. Instructor guided assignments incorporate principles of color theory and composition in the solution of complex design problems.

Prerequisites: ART 110 and ART 111

ART 113
Beginning Life Drawing **3**

(HP) Introduction to figure drawing from live models including study of anatomy, proportion, use of line, value, shape, space, foreshortening and perspective as related to the figure through instructor-guided exercises. May be repeated two times for credit.

Prerequisites: ART 115 or instructor permission

ART 114
Intermediate Life Drawing **3**

(HP) Intermediate level of figure drawing from live models. Emphasizes investigation into the use of various media including color, use of the elements for expression, mastery of basic skills in proportion, and exploration of the styles and representation of the figure by artists throughout history and in contemporary art.

Prerequisites: ART 113

ART 115
Drawing I **5**

(HP) Introductory course emphasizing principles and elements of the visual arts as seen in drawing. Development of observational drawing skills in the use of linear perspective, line, shape, value, space, proportion and scale. Primary medium used is charcoal. Faculty guided exercises including the role of drawing as a tool in other visual disciplines, style, history, and vocabulary.

ART 116
Drawing II **5**

(HP) Intermediate course emphasizing principles and elements of the visual arts applied to meaning and expression. Use of various media, including charcoal, conte, and pastel. Proficiency of skills in observational drawing including composition, subject matter, content. Introduction of color; materials and techniques. Written analysis of creative process and use of drawing by major artists. Drawing from live models may be included.

Prerequisites: ART 115

ART 123
Introduction to Studio Art **5**

(HP) Introduction to studio work in a wide range of media for the student with little experience in the visual arts. Traditional and contemporary approaches to creating artwork combined with the study of visual language and culture. Course includes all forms of visual expression, the process of artistic creation and thought, and the role of visual culture in society and history. Gallery, studio, and museum visits may be included. Course is divided between lecture/discussion sessions and studio practice. May be repeated one time for credit.

ART 135
Drawing and Painting Workshop **2**

(HP) Topical instruction in a specific media or subject area more intense than the regular curriculum. Topics include portraits, plein air painting, figure painting, encaustic and mixed media. Course may be taught by visiting artists. Use of the elements and principles as seen in this subject or medium. Historic aspects of the specific medium or subject area, vocabulary and content issues around the selected subject. May be repeated two times for credit.

Prerequisites: ART 115 or instructor permission.

ART 140
Kiln Formed Glass I **2**

(HP) The first course in a sequence of three to develop fundamental skills to manipulate kiln formed glass. Introduction to the language of the visual arts as it pertains to glass. Advanced courses include slumping glass into molds.

ART 141
Kiln Formed Glass II **2**

(HP) The second course in a sequence of three to develop fundamental skills to manipulate kiln formed glass. Introduction to the language of the visual arts as it pertains to glass. Advanced courses include slumping glass into molds.

Prerequisites: ART 140 or instructor permission

ART 142
Kiln Formed Glass III **2**
(HP) The last course in a sequence of three to develop fundamental skills to manipulate kiln formed glass. Introduction to the language of the visual arts as it pertains to glass. Advanced courses include slumping glass into molds.

Prerequisites: ART 141 or instructor permission.

ART 182
Service Learning **1-2**
Service Learning combines the opportunity of volunteerism with academic applications of social, economic and political issues important to the local community. Provides for real-life application of skills and knowledge that extends learning beyond the classroom and into the community. A maximum of six credits may be earned.

Prerequisites: ENGL 98 with grade of C or higher or skills assessment at ENGL& 101 or higher level and instructor permission

ART 195
Foundation Portfolio Review **2**
Portfolio review of student's work upon successful completion of program core curricula courses. Student works individually with an assigned program instructor in evaluating their submitted portfolio to determine their readiness for advanced level courses leading to an AFA degree.

Prerequisites: ART 110, GRAPH 172, and ART 115, or instructor permission

ART 200
Painting I **5**
(HP) Studio practice of fundamental painting skills through traditional imagery using the media of oil or acrylic paint. Technical information about the physical properties of paint, mediums, support and tools. Language and understanding of the principles and elements of art as they apply to painting. Manipulation of the media for representation including color theory, form, value, texture, shape and composition. Faculty structured exercises to develop skills, style and expression. ART 110 recommended.

Prerequisites: ART 115 or ART 123 or instructor permission

ART 201
Painting II **5**
(HP) Studio practice of fundamental painting skills through traditional imagery using the media of oil or acrylic paint. Technical information about the physical properties of paint, mediums, support and tools. Language and understanding of the principles and elements of art as they apply to painting. Manipulation of the media for representation including color theory, form, value, texture, shape and composition. Faculty structured exercises to develop skills, style and expression. Advanced courses include contemporary modes of painting, mixed media techniques, professional development and presentation.

Prerequisites: ART 200

ART 202
Painting III **5**
(HP) Studio practice of fundamental painting skills through traditional or contemporary imagery using the media of oil or acrylic paint. Technical information about the physical properties of paint, mediums, support and tools. Language and understanding of the principles and elements of art as they apply to painting. Manipulation of the media for representation including color theory, form, value, texture, shape and composition. Faculty structured exercises to develop skills, style and expression. Advanced courses include contemporary modes of painting, mixed media techniques, professional development and presentation.

Prerequisites: ART 201

ART 203
Painting IV **5**
(HP) Studio practice of fundamental painting skills through traditional or contemporary imagery using the media of oil or acrylic paint. Technical information about the physical properties of paint, mediums, support and tools. Language and understanding of the principles and elements of art as they apply to painting. Manipulation of the media for representation including color theory, form, value, texture, shape and composition. Faculty structured exercises to develop skills, style and expression. Advanced courses include contemporary modes of painting, mixed media techniques, professional development and presentation.

Prerequisites: ART 201

ART 205
Watercolor I **3 or 5**
(HP) Studio training in basic transparent watercolor skills necessary for artistic expression. Color theory and its application to pictorial composition. Investigation of materials, tools, techniques. Advanced courses explore personal experimentation and style development through both traditional and contemporary approaches. Professional presentation techniques.

Prerequisites: ART 115

ART 206
Watercolor II **3 or 5**
(HP) Studio training in basic transparent watercolor skills necessary for artistic expression. Color theory and its application to pictorial composition. Investigation of materials, tools, techniques. Advanced courses explore personal experimentation and style development through both traditional and contemporary approaches. Professional presentation techniques.

Prerequisites: ART 205

ART 210
Studio Workshop **1-5**
(HP) Workshop in the use of press, chemical and ink technical information and basic skills in the entire print process.

ART 211
Beyond Traditional Media **3**
(HP) Studio course investigating contemporary uses of combined media and expanding traditional uses and formats of media. Projects utilizing several studio skills from different disciplines will be pursued. Language, theory and analysis of issues in the inter-relationships of media with personal and professional practice will be studied. Student choice of media to be explored, previous experience in the media of choice required. May be repeated two times for credit.

Prerequisites: ART 116 or ART 101 or ART 271 or PHOTO 110 or instructor permission

ART 215
Life Drawing I **5**
(HP) Course sequence in the representation of the human figure through drawing from live models. Study of human anatomy as it applies to art, involving the proportions of the figure, use of line and value, negative space, foreshortening and perspective through instructor-guided exercises. Subsequent course includes investigation into various media including color, uses of the elements for expression, mastery of basic skills, and exploration of the styles and representation of the figure by artists in historical and contemporary art. Investigation of the role of the figure in art and culture throughout history. ART 110 recommended.

Prerequisites: ART 115 or instructor permission

ART 216
Life Drawing II **5**
(HP) Course sequence in the representation of the human figure through drawing from live models. Study of human anatomy as it applies to art, involving the proportions of the figure, use of line and value, negative space, foreshortening and perspective through instructor-guided exercises. Subsequent course includes investigation into various media including color, uses of the elements for expression, mastery of basic skills, and exploration of the styles and representation of the figure by artists in historical and contemporary art. Investigation of the role of the figure in art and culture throughout history. May be repeated two times for credit.

Prerequisites: ART 215

ART 230
Glassblowing I **2**
(HP) Sequence of courses for the non-major designed to develop fundamental skills to manipulate the hot glass medium. Introduction to the language of the visual arts as it pertains to blown glass. Advanced courses include color application and the use of torches, bits and molds.

ART 231
Glassblowing II **2**
(HP) Sequence of courses for the non-major designed to develop fundamental skills to manipulate the hot glass medium. Introduction to the language of the visual arts as it pertains to blown glass. Advanced courses include color application and the use of torches, bits and molds.

Prerequisites: ART 230 or instructor permission

ART 232
Glassblowing III **2**
(HP) Sequence of courses for the non-major designed to develop fundamental skills to manipulate the hot glass medium. Introduction to the language of the visual arts as it pertains to blown glass. Advanced courses include color application and the use of torches, bits and molds. May be repeated two times for credit.

Prerequisites: ART 231 or instructor permission

ART 240
Printmaking I **3-5**
(HP) Introductory course focused on the development of skills, principles, techniques, methods and language of printmaking. Emphasizes use of the press, inks and basic skills in the entire print process using ecologically safe materials. Develops the techniques of monotype, intaglio, relief, collagraph.

ART 241
Printmaking II **3-5**
(HP) Intermediate course focused on the continued development of skills, principles, techniques and methods of printmaking. Applying the vocabulary of printmaking to the press, inks, paper treatment, and basic skills in the entire print process using ecologically safe materials. Students incorporate color into the monotype, intaglio, relief, and collagraph processes. Continued focus on the development of printmaking skills with emphasis on principles and elements of art as they apply to printmaking.

Prerequisites: ART 240

ART 242
Printmaking III **3-5**
(HP) Intermediate course focused on advanced skills, principles, techniques and methods of printmaking. Relating the vocabulary of printmaking to the press, inks, paper treatment, and basic skills in the entire print process using ecologically safe materials. Students create a body of work that incorporates advanced techniques including multiple plate printing and chine colle/collage. Projects develop aesthetic style and attend to the students' understanding of art making as applicable to printmaking.

Prerequisites: ART 241

ART 243
Printmaking IV **3-5**
(HP) Advanced course focused on advanced skills, principles, techniques and methods of printmaking. Relating the vocabulary of printmaking to the press, inks, paper treatment, and basic skills in the entire print process using ecologically safe materials. Final course in the printmaking sequence. Students design projects and create a body of work through research on contemporary and historical print techniques. Emphasis on content development.

Prerequisites: ART 242

ART 250
Art Internship **2.5**
Supervised work experience as an intern. May be with a qualified employer or in a project with a private or public agency. Students must have completed most of the required coursework and must obtain a recommendation for internship from their instructor. It is the student's responsibility to obtain the internship. Performance will be evaluated by the college instructor and the internship supervisor. Internship can apply once to AFA degree electives. May be repeated two times for credit.

Prerequisites: Instructor permission

ART 270
Ceramics I: Handbuilding and Foundations **5**
(HP) First in a sequence of courses in the development of the knowledge and skills needed to create ceramic pieces using the medium as a point of departure for critical thinking and creative problem solving. Techniques of handbuilding and introduction to principles and elements of art as applied to ceramics. Faculty structured projects will develop physical skills and an understanding of technical information, as well as functional and sculptural aesthetics. Ceramic history, science, and design are covered at length.

ART 271
Ceramics II: Principles and Practices of Wheel Throwing **5**
(HP) Second in a sequence of courses in the development of the knowledge and skills needed to create ceramic forms using the medium as a point of departure for critical thinking and creative problem solving. Focus is on developing skills in the use of the potter's wheel. Principles and elements of design will be stressed, including unity, along with the concepts of accuracy, precision, utility, and functional aesthetics.

Prerequisites: ART 270

ART 272
Ceramics III: Integrating Techniques **5**
(HP) Continuation of courses in the development of the knowledge and skills needed to create ceramic forms using the medium as a point of departure for critical thinking and creative problem solving. Explores advanced wheel throwing techniques, integrates wheel throwing and handbuilding techniques in the creation of complex ceramic forms.

Prerequisites: ART 110 or 111, ART 270, ART 271 Or instructor permission

ART 273
Ceramics IV: Advanced Projects in Ceramics **5**
(HP) Capstone course in the development of knowledge and skills in the creation of ceramic forms using the medium as a point of departure for critical thinking and creative problem solving. Focus on the creation of a series of ceramic forms to be viewed in public display.

Prerequisites: ART 272 or instructor permission

ART 274
Ceramics Workshop **3**
(HP) Ceramics workshop based on a variety of topical techniques and processes. Examples include alternative firing methods and systems, Majolica, low-fired ceramic processes and sculpture. See current schedule for course topic. May be repeated two times for credit.

Prerequisites: ART 107 or ART 270

ART 275
Glaze Formulation for Studio Ceramics I **3**
Introduction to the materials and methods used in glaze making for studio ceramics. Students will use the principles of experimental design to become familiar with the materials typically used in studio ceramics and learn to make original utilitarian glazes suitable for mid-range firing in an electric kiln. Glaze application and kiln operation will be discussed.

Prerequisites: ART 270, ART 271, or instructor permission

ART 276
Glaze Formulation for Studio Ceramics II **3**
Continuing exploration of the materials and methods used in glaze making for studio ceramics. Students will build on the experience from ART 275 and learn to manipulate existing glazes to alter their properties. Students will also learn to formulate glazes for high fire gas kilns and learn consider the role of kiln atmosphere in studio ceramics. The course will also introduce the properties of standard historical stoneware glazes.

Prerequisites: ART 270, ART 271, ART 275 or instructor permission

ART 277
Glaze Formulation for Studio Ceramics III **3**
Final course in exploring the materials and methods used in glaze making for studio ceramics. Students will use their accumulated knowledge of glaze materials to extend their palette to include non-traditional and non-utilitarian ceramic surfaces. The class will introduce sculptural glazes, textural surfaces and crystalline glazes for mid-range electric and high fire gas kilns. Students will also explore studio economics and design an hypothetical studio to suit their working process and proposed body of work.

Prerequisites: ART 270, ART 271, ART 275, ART 276 or instructor permission

ART 294
Portfolio Development **5**
(HP) Advanced course focused on developing a portfolio of work with faculty guidance emphasizing personal exploration, studio research of contemporary and traditional themes, issues, media, skills and techniques, and presentation in 2D studio art. Media may be combined. Student's choice of media. Previous experience in primary medium of choice required.

Prerequisites: Instructor permission

ART 295
Professional Practices **5**
Advanced course required for students nearing the completion of their Associate of Fine Arts degree in art, graphic design or photography or nearing completion of an Associate of Technical Arts in Interactive Web Design. Professional practices include portfolio design, development and editing. Focuses on self-assessment, development of personal style (or "personal presentation") and resume preparation.

Prerequisites: Instructor Permission

ART 297
Gallery and Exhibit Technique **2**
(TE) Instruction and practical experience in all aspects of the design and installation of exhibitions. Content includes curating, installation and de-installation of artwork, graphic design for posters and publications. Graphic design experience is preferred (GRA 110). Weekly time commitment includes two hours of classroom instruction and three hours of hands-on gallery supervision each week. May be repeated three times for credit. Limit 5 students.

Prerequisites: Instructor permission

ART HISTORY

ART H 124
Understanding World Art **5**
(H,D) Introduction to artwork from various under-represented world cultures in a wide range of media for the student with little experience in the visual arts. Traditional and contemporary approaches to creating artwork as practiced globally and historically combined with the study of visual language and culture in the medium, theme, subject or culture represented. Course includes all forms of visual expression, the process of artistic creation and thought, and the role of visual culture in society and history. Discussion and studies in forms of representation as examples of culturally based perceptions of time, space, self, identity, community and otherness.

ART H 220
Western Art History: Ancient to Medieval **5**
(H) Survey of art from ancient foundations to the 14th century in Europe. Topics and issues of art history as relevant to the formation of styles, methods of construction, and the role of the artist in early civilization. Includes study of the cultures of Egypt, Ancient Greece, Rome, and Early Christian. Introduction to the analysis of imagery and the methods and practice of art history. Recommend previous enrollment in ART H 124. Sequential order preferred.

ART H 221
Western Art History: 15th to 18th Centuries **5**
(H) Survey of the dominant styles and movements of art in Europe and America from the 15th to the 18th centuries. Social, religious, political and philosophical changes and their connection with the role and creations of the artist. Includes Renaissance and Baroque periods. Analysis of imagery and practice of historical research. Recommend previous enrollment in ART H 124. Sequential order preferred.

ART H 222
Western Art History: 18th to 19th Century **5**
(H) Survey of major movements in the art of Europe, America and Russia from the 18th to the early 20th centuries. Traces the development of major changes in artistic expression, theory, meaning and content leading to the development of the Modern movement. Includes Classicism, Romanticism, and Impressionism. Analysis of imagery and methods and practice of historical research. Recommend previous enrollment in ART H 124.

ART H 224
Contemporary Movements **5**
(H) Development and spread of Modernism since the early 20th century and subsequent movements in art to the present day. Includes a survey of modernist theory and criticism, issues of gender and multiculturalism, and their effect on art. Includes such movements as Cubism, Abstract Expressionism, and Post Modernism. Previous enrollment in ART H 124 recommended. Sequential order preferred.

ART H 228
The World of Anime and Manga **5**
(H,D) Introduction to the history, culture, and creators who developed anime & manga: Japanese animation and comics. Examines the reciprocal influences between Japanese and Western artists to understand how anime and manga have become transnational mediums. Introduces key creators of the 20th century and examines influences on their work, as well as how these works influence contemporary visual art. Engages with critical themes, including an analysis of ethnocentric reactions, stereotyping, prejudice, discrimination, and gender bias, as seen in works of anime & manga, and experienced by creators working in the industry.

Prerequisites: Eligibility for ENGL& 101

ASTRONOMY

Astronomy courses involve studying the origin, composition, and structure of the solar system, stars, galaxies, and the universe. Most astronomy courses satisfy the Natural Science Lab (NS-L) graduation distribution requirement.

Faculty Advisors:

A. Vanture	**425-388-9556**	**avanture@everettcc.edu**
J. Serven	**425-388-9452**	**jserven@everettcc.edu**
K. Washburn	**425-388-9431**	**kwashburn@everettcc.edu**

ASTR& 100
Survey of Astronomy **5**
(NS) General survey of astronomy including the nature of planets, stars, and galaxies. The origin and evolution of the solar system and universe.

Prerequisites: MATH 080 or placement into MATH 081 or higher

ASTR& 101
Introduction to Astronomy **5**
(NS-L) Integrated laboratory/lecture course emphasizing observational techniques, the history and evolution of astronomical concepts, and the origin and composition of the solar system. Lecture, video, and slide demonstrations, plus hands-on laboratory sessions and evening field observing sessions.

Prerequisites: Eligibility for ENGL& 101 AND MATH 86 or MATH 095, OR eligibility for MATH 96 via a math assessment

ASTR& 115
Stars, Galaxies and Cosmos **5**
(NS-L) Introduction to the current state of research into the structure, origin, and evolution of the universe. Topics include stellar evolution, galactic structure and formation, cosmic distances, black holes, quasars, and cosmological theories. Laboratory projects emphasize photographic and spectrographic analysis of stars and galaxies.

Prerequisites: Eligibility for ENGL& 101 AND MATH 092 or MATH 96 or MATH 99, OR eligibility for MATH& 141 via a math assessment

ASTR 122
Life in the Universe **5**
(NS-L) Investigates the astronomical and biological conditions necessary for the evolution of life in the universe. Topics covered will be basic concepts in astronomy and cosmology, evolution of life on Earth, the conditions necessary for the evolution of life, other locations where life may have evolved in the solar system and the search for intelligent life in the universe.

Prerequisites: Eligibility for ENGL& 101 AND MATH 86 or MATH 091, OR eligibility for MATH 96 via a math assessment

ATMOSPHERIC SCIENCE

Atmospheric Science courses involve studying the origin, composition, structure, and motions of Earth's atmosphere. Atmospheric Science 101 satisfies the Natural Science Lab (NS-L) graduation distribution requirement.

Faculty Advisor:
S. Grupp 425-388-9450 sgrupp@everettcc.edu

ATM S 101
Weather 5
(NS-L) Earth's atmosphere, with emphasis on weather observations and forecasting. Use of meteorological instruments and weather maps. Highs, lows, fronts, clouds, storms, jet streams, air pollution, and other features of the atmosphere. The physical processes that govern weather-related phenomena. Regional climate of the world and global climatic prediction and change.

Prerequisites: Eligibility for ENGL& 101 AND MATH 76 or MATH 080, or eligibility for MATH 86 via a math assessment

AVIATION MAINTENANCE

The Aviation Maintenance Technology Program provides students with necessary background knowledge and practical experience to qualify to take the Federal Aviation Administration (FAA) Aircraft Maintenance Technician exam for both airframe and powerplant ratings. The A&P license qualifies graduates for entry-level employment in commercial airlines, general aviation maintenance, and aircraft restoration. The combined sequences of airframe and powerplant technology require eight quarters, two academic years (including two summer quarters) to complete. About $500-1000 worth of tools are required for the program.

By taking academic work beyond the aviation maintenance technology training, students may qualify for the degree of Associate in Technical Arts, or a possible transfer degree applicable to a bachelor's degree in Operations Management, or Aerospace Management.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Demonstrate and apply appropriate aviation technical applications, problem solving, and critical thinking skills required in industry while preparing for the FAA Aviation Maintenance Technician certification with Airframe and Powerplant ratings
- Demonstrate multiple communication means specific to aviation maintenance concepts and technical processes using appropriate terms and vocabulary
- Demonstrate safe work habits and behavior in aviation, reflecting concern, care, and pride in self, others, equipment, aircraft, and facilities
- Demonstrate and apply industry required technical skills and data
- Demonstrate and apply appropriate industry required skills in attendance, character, teamwork, appearance, attitude, productivity, organizational skills, communication, cooperation, respect and documentary discipline

All training for the program is conducted in classrooms and shops at Paine Field. For further information, call 425-388-9533 or email aviation@everettcc.edu.

Faculty Advisors:
K. Andreason 425-259-8761 kandreason@everettcc.edu
D. Lerback 425-388-9521 dlerback@everettcc.edu
S. Tuggle 425-388-9969 stuggle@everettcc.edu

AMT 102
Basic Electricity: Practical Applications 3
Learn direct current circuits, series and parallel circuit arrangements and their application, understand the relationship of voltage, current, resistance, and power, calculating and measuring these values, and understand the operation of the multimeter and its use in troubleshooting.

Prerequisites: Eligibility for MATH 86 and ENGL& 101; AND instructor permission

AMT 105
Human Factors 2
Human Factors in Aviation; definition, brief history of Human Factor studies, and models to help identify and correct Human Factors issues within their work environment.

Prerequisites: Eligibility for MATH 86 and ENGL& 101; AND instructor permission

AMT 180
Fundamentals of Troubleshooting 2
An analytical framework and process to effectively troubleshoot complex aircraft systems.

Prerequisites: Eligibility for MATH 86 and ENGL& 101; AND instructor permission

AMT 199
Special Projects - Aviation Maintenance Technology 1 - 10
Independent study projects on selected topics in aviation maintenance. Credit to be arranged with instructor.

Prerequisites: Instructor permission

AMT 276
Lubrication Systems: Turbine Engines 3
Understand the components of and operation of engine lubrication systems, the requirements and characteristics of engine lubricants and lubrication systems.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 101
Basic Electricity 5
Theory and application of basic electricity including: direct current circuits, series and parallel circuit arrangements and their application, the relationship of voltage, current, resistance, and power, calculations and measurements of these values, and operation of the multimeter and its use in troubleshooting.

Prerequisites: Eligibility for MATH 86 and ENGL& 101; AND instructor permission.

AMT& 111
Math and Physics 4
Application of mathematical computations required in the Aviation Maintenance Technician curriculum. Theory and application of scientific principles that apply to the operation of aircraft and the equipment that the aviation maintenance technician uses.

Prerequisites: Eligibility for MATH 86 and ENGL& 101; AND instructor permission.

AMT& 121
Weight and Balance 2
Theory and application of weight and balance to aircraft safety, required calculations for weight and balance checks, equipment changes, extreme loading checks and the addition of ballast.

Prerequisites: Eligibility for MATH 86 and ENGL& 101; AND instructor permission.

AMT& 131
Corrosion/Fluid Lines 5
Theory and application of corrosion types and causes, proper materials and processes to remove corrosion byproducts, corroded areas and treatment with proper protection. Identification of fluid line components, fabrication of rigid and flexible fluid lines, and installation of fluid lines on aircraft.

Prerequisites: Eligibility for MATH 86 and ENGL& 101; AND instructor permission.

AMT& 141
Aircraft Drawings 2
Theory and application of aircraft repairs and alterations, aircraft blueprints, graphs, and charts.

Prerequisites: Eligibility for MATH 86 and ENGL& 101; AND instructor permission

AMT& 151
Ground Operations and Servicing 4
Theory and application of safe ground handling procedures, aircraft movement and storage and identify aviation fuels.

Prerequisites: Eligibility for MATH 86 and ENGL& 101; AND instructor permission

AMT& 161
Materials and Processes **7**
Theory and application in selecting non-destructive testing methods including dye-penetrant, eddy current, ultra-sound, magnetic particle inspection. Application of basic heat-treating processes, aircraft hardware and materials, inspecting welds, and performing precision measurements.

Prerequisites: Eligibility for MATH 86 and ENGL& 101; AND instructor permission

AMT& 171
Federal Aviation Regulations **4**
Theory and application of record maintenance and entries, maintenance forms, records, and inspection reports, application of information in FAA and manufacturers maintenance specifications, data sheets, manuals, publications and related Federal Aviation Regulations, Airworthiness directives, and advisory material, and mechanic privileges within the limitations prescribed in 14 CFR Part 65.

Prerequisites: Eligibility for MATH 86 and ENGL& 101; AND instructor permission

AMT& 201
Composites **5**
Theory and application of inspection and repair of aircraft composite type structures including transparent plastic enclosures and interiors.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 205
Wood, Covers and Finishes **9**
Theory and application of wood aircraft construction, including inspection and repair. Selection, application, inspection, testing and repair of aircraft fabric and fiberglass covering materials and types of aircraft protective coatings, trim applications, markings, finish problems and the inspection of finishes.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 207
Welding **2**
Theory and application of fabrication, construction, and repair of welded aircraft structures.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 211
Sheet Metal **10**
Theory and application of sheet metal aircraft structures fabrication, construction, inspection, and repair.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 215
Assembly and Rigging **7**
Theory and application of aircraft assembly, components, rigging of all flight control surfaces, balancing and inspection of flight controls, alignment of aircraft structures, and jacking of aircraft.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 221
Airframe Inspection **4**
Theory and application of methods and techniques of all phases of aircraft inspections, including the Federal Aviation Regulations, Maintenance record entries, and disposition of those records.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 223
Landing Gear/Hydraulics **9**
Theory and application of inspection, checking, service, troubleshooting and repair of landing gear retraction systems, shock struts, brakes, wheels, tires, and steering systems, and hydraulic and pneumatic power systems and components. Includes speed and configuration warning, electrical brake controls, antiskid, position indicating and warning systems.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 231
Ice and Rain/Fire Systems **3**
Theory and application of ice and rain on aircraft during operations, equipment and materials used to counter ice and rain and maintenance of the equipment. Theory and application of toxic gas and fire detection and extinguishing systems.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 235
Navigation Communication Systems **1**
Theory and application of operating common airborne avionics equipment, antennas, autopilots, servos approach coupling systems, interphones and static discharge devices, and ground proximity warning systems. Inspection and repair of antennas and electronic equipment.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 237
Airframe Fuel Systems **3**
Theory and application of fuel dump operation and maintenance, fuel management transfer, aircraft refueling and pressure fueling systems, quantity indication, pressure, and temperature warning systems, and maintenance requirements for fuel systems.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 239
Aircraft Electrical **2**
Theory and application of AC and DC electrical systems operation used on large and small aircraft, generating and starting systems, AC and DC electric motors, wiring, controls, switches, indicators, and protective devices, and constant speed and integrated drive generators.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 241
Instrument Systems **2**
Theory and application of common aircraft instruments operation, air or vacuum driven gyros and pitot-static systems and static leak tests.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 245
Cabin Environment **3**
Theory and application of the physiological aspects of flight and inspection and maintenance of oxygen, pressurization, heating, cooling, and air conditioning systems.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 251
Reciprocating Engines I **5**
Theory and application of reciprocating engine theory consisting of the history of aircraft engines, principles of energy transformation, theory of operation, engine requirements and configuration, and overhaul of horizontally opposed engines including the installation, troubleshooting, repair and removal of engines.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 252
Reciprocating Engines II **5**
Theory and application of reciprocating engine theory consisting of the history of aircraft engines, principles of energy transformation, theory of operation, engine requirements and configuration, and overhaul of horizontally opposed engines including the installation, troubleshooting, repair and removal of engines.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 253
Turbine Engines I **5**
Theory and application of turbine engines theory including: history, types, and theory of operation, the Brayton cycle, Bernoulli's principle, turbine engine air flow characteristics, and maintenance of the turbine, including installation and removal, inspection, troubleshooting and repair procedures.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 254
Turbine Engines II **5**
Theory and application of turbine engines theory including: history, types, and theory of operation, the Brayton cycle, Bernoulli's principle, turbine engine air flow characteristics, and maintenance of the turbine, including installation and removal, inspection, troubleshooting and repair procedures.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 257
Engine Inspection **3**
Theory and application of engine inspection including detailed work with the Federal Aviation Regulations, types of inspections, conformance to type certificate data sheets and major alterations, airworthiness directives, and maintenance record entries.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 261
Engine Instruments **1**
Theory and application of electrical and mechanical fluid rate of flow indicating systems, and electrical and mechanical temperature, pressure, and RPM indicating systems.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 265
Engine Fire Protection **1**
Theory and application of fire detection and fire extinguishing systems, and components of equipment and the maintenance, troubleshooting, and repair of the systems.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 267
Engine Electrical **5**
Theory and application of generators, alternators, DC motors, and AC motors, and their repair and overhaul, special requirements of electrical components operating in high temperature areas and installation and protection of wiring, controls, switches, and indicators.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 271
Ignition and Start Systems **6**
Theory and application of magneto and ignition harnesses, including operation, maintenance, and overhaul, inspection, servicing, troubleshooting, and repair of reciprocating and turbine engine ignition systems, components and turbine engine electrical and pneumatic starting systems.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 275
Lubrication Systems: Reciprocating Engines **4**
Theory and application of engine lubrication systems and the requirements and characteristics of engine lubricants and lubrication systems.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 279
Engine Fuel Systems **7**
Theory and application of the chemistry and combustion characteristics of fuel, the system components in both reciprocating and turbine engines and maintenance and repair of the systems, including metering of fuel for float carburetors, fuel Injection, pressure carburetors, anti detonate injection, and turbine electronic and hydromechanical fuel controls.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 281
Engine Induction/Cooling **4**
Theory and application of carburetor, fuel injected, naturally aspirated, turbo-charged, and supercharged induction system maintenance. Theory and application of ice and rain control systems. Theory and application of air cooled engines, exhaust systems, turbine engine reversing systems, and power recovery turbines.

Prerequisites: Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AMT& 285
Propellers and Fans **6**
Theory and application of propellers and fans including operation, controls, and instrumentation on fixed pitch, controllable pitch, constant speed, and feathering propellers. System study includes anti-icing and sychrophasing systems, and propeller inspection, maintenance and repair. Familiarization with unducted fan engines.

Prerequisites: Completion of all 100-level Aviation Maintenance Technician School courses; AND instructor permission

AVIONICS

The Advanced Avionics Program provides students with necessary background, knowledge, and practical experience to qualify for employment in the Avionics manufacturing and repair shops. Coupled with the A&P license, graduates qualify for avionics technician employment in commercial airlines, aircraft manufacturers, and general aviation maintenance. The sequence of advanced avionics requires two quarters to complete. About $250 worth of tools are required for the program.

By taking academic work beyond the advanced avionics program and coupling it with the airframe and powerplant sequences in aviation maintenance technology, students may qualify for the degree of Associate in Technical Arts.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Demonstrate and apply industry required technical skills and data.
- Demonstrate safe work habits and behavior in aviation, reflecting concern, care, and pride in self, others, equipment, aircraft, and facilities
- Demonstrate and apply appropriate industry required skills in attendance, character, teamwork, appearance, attitude, productivity, organizational skills, communication, cooperation, respect and documentary discipline

All training for the program is conducted in classrooms and shops at Paine Field. For further information, call 425-388-9533 or email aviation@everettcc.edu.

Faculty Advisors:

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S. Tuggle	**425-388-9969**	**stuggle@everettcc.edu**
R. Alexander	**425-388-9519**	**ralexander@everettcc.edu**

AVIO 101
Electrical Fundamentals **8**
Fundamentals, troubleshooting, and experiments of aircraft electrical circuits; safety practices; electrostatic devices; metric notation; voltage, current, resistors and measurements, switches, fuses, and circuit breakers; tools for troubleshooting, including multimeters and oscilloscopes; magnetism and electromagnetic principles and calculations; relays and meters; Ohm's and Kirchhoff's Laws; circuits; electrical generators, inductors, filters, and capacitors; resistance and reactance; transformers; batteries; motors.

Prerequisites: Eligibility for MATH 96 and eligibility for ENGL& 101

OR holds the FAA Airframe or FAA Powerplant

OR eligibility for AMT& 200 level courses.

AVIO 102
Electronic Fundamentals **8**
Fundamentals, troubleshooting, and experiments with fundamental aircraft electronics; diodes; power supplies; rectifiers; voltage regulators; transistors; amplifiers; oscillators and multivibrator circuits; latches.

AVIO 103
Aircraft Wiring Systems **2**
Fundamentals and repair of aircraft wiring and fiber optics, including acceptable standards for visual, electrical, and mechanical quality.

AVIO 104
Aircraft Fiber Optic Systems **2**
Course designed to prepare participants to install, maintain, troubleshoot, and repair fiber optics in the aviation industry. Participants will learn to work safely with materials used in fiber optics, while learning to handle materials properly during the routing, installation, assembly, cleaning, troubleshooting, and repair processes.

Prerequisites: AVIO& 103

AVIO 106
Basic Troubleshooting **2**
Basic troubleshooting of aircraft wiring including using continuity and voltage readings. Introduction to TDR and Meggar as basic troubleshooting tools.

Corequisite: Concurrent enrollment in AVIO 101

AVIO 201
Aircraft Basic & Electronic Instrument Systems **8**
Troubleshooting and repairing aircraft instrument systems. Course includes aircraft flight instrument systems; pitot/static instruments; aircraft master warning and annunciator system, computer math, digital logic functions and flip-flops; introduction to register memory and arithmetic counting circuits; analog and digital conversions circuits; introduction to microprocessors; introduction to signal processing-multiplexing; synchro systems, differential transformers; and databus communications.

Prerequisites: Completion of AVIO 102

AVIO 202
Avionics Systems for Airframe and Powerplant **8**
Fundamentals of aircraft avionics systems for airframe and powerplant, including power distribution systems, air/ground and proximity sensors, communication systems, navigation systems, avoidance and detection systems including ADSB, radar and powerplant systems. Aircraft wiring and routing inspections, and installations.

Prerequisites: Concurrent enrollment in AVIO 201

AVIO 203
Avionics Communications **2**
Introduction to the industry recognized avionics licenses; FCC General Radiotelephone Operator License (GROL) and NCATT Aircraft Electronics Technician (AET). Preparation for the FCC GROL License and/or the NCATT AET License. This includes possible endorsements for the licenses.

Prerequisites: Completion of AVIO 102

AVIO 204
Advanced Avionics Troubleshooting **2**
Fundamentals, troubleshooting, and repair of aircraft avionics systems including a logical approach using a four-step troubleshooting method. Understanding the different aircraft maintenance manuals used in aviation and proper documentation.

Prerequisites: Completion of AVIO 103 and AVIO 106

BIOLOGY

Biology courses provide preparation for science, pre-medicine and health science disciplines. These courses satisfy the Natural Science (NS) or Natural Science Lab (NS-L) graduation distribution requirement.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

Apply quantitative analysis to solve problems: students will utilize quantitative and graphical analyses to describe biological processes and solve problems posed in assignments

Apply the Scientific Method: in reports and presentations, students will demonstrate application of the scientific method in order to explain biological processes encountered in classroom, laboratory and field projects

Critically evaluate the science-related content in reports, popular media and public policy: students will read assigned articles, books and online resources, and evaluate these sources in the context of the life sciences topics presented in class

Effectively communicate scientific processes: students will use the results obtained from experiments, demonstrations, discussions and field work to produce written reports and oral presentations

Faculty Advisors:

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J. Hedgpeth	**425-388-9482**	**jhedgpeth@everettcc.edu**
H. Kemp	**425-388-9964**	**hkemp@everettcc.edu**
V. Mosser	**425-388-9964**	**vmosser@everettcc.edu**

BIOL& 100
Survey of Biology **5**
(NS-L) General concepts of living organisms, the process of science, and application of biology to human beings and society. For non-science majors.

Prerequisites: Eligibility for ENGL& 101 AND eligibility for MATH 96

BIOL 105
Disease in Modern Society **5**
(NS) General concepts of infectious disease, the process of science, and application of biology to human beings and society. For non-science majors.

Prerequisites: Eligibility for ENGL& 101 AND eligibility for MATH 96

BIOL 107
Life Science for Everybody **5**
(NS-L) Hands-on exploration of how living things interact with each other and their environment to obtain energy and building blocks for growth. For non-science majors. Highly recommended for elementary education majors.

Prerequisites: Eligibility for ENGL& 101 AND eligibility for MATH 96

BIOL 121
Majors Ecology/Evolution Problem Session **1**
Problem session to accompany BIOL& 221. In-depth analysis of concepts and course content, lab report preparation. Non-transferable.

Corequisites: BIOL& 221

BIOL 122
Majors Cell/Molecular: Problem Session **1**
Problem session to accompany BIOL& 222. In-depth analysis of concepts and course content, lab report preparation. Non-transferable.

Corequisites: BIOL& 222

BIOL 123
Majors Organismal Physiology: Problem Session **1**
Problem session to accompany BIOL& 223. In-depth analysis of concepts and course content. Non-transferable.

Corequisites: BIOL& 223

BIOL 130
Marine Biology **5**
(NS-L) Life processes of marine organisms and their ecological interactions. Introduction to the scientific method, oceanographic drivers, marine ecology, the identification, interactions, behavior and life histories of marine organisms with field trip(s) and an emphasis on intertidal marine organisms found in the varied shore communities of the Salish Sea. Using the Salish Sea as a focus, coursework may include an overview of the world's oceans with human impact, uses, and conservation efforts examined.

Prerequisites: Eligibility for ENGL& 101 AND eligibility for MATH 96

BIOL 142
Topics in Ecology **2**
(NS) Readings and discussion of current topics in ecology. Suitable for students with no biology background as well as for science majors.

Prerequisites: Eligibility for ENGL& 101 AND eligibility for MATH 96

BIOL 190
Natural History Field Studies **1-5**
(NS-L) Various field studies. Hours to be arranged. May be repeated one time for credit.

Prerequisites: Instructor permission

BIOL 199
Special Projects - Biology **1-5**
Independent study projects on selected topics in the biological sciences. Credit to be arranged with supervising instructor. May be repeated two times for credit.

Prerequisites: Instructor permission

BIOL 201
Introduction to Public Health **5**
(NS) An overview of the field of public health and the various strategies that are used to assure health at a population level. Frameworks and tools for developing effective health interventions. Specific topic areas relevant to population health will be explored, such as social determinants of health, social and behavioral risk factors, non-communicable and communicable disease, and environmental health. Discussion of methods for translating health needs into policies and systems that benefit the public. Addresses contemporary controversies and ethical considerations in public health practice.

Prerequisites: Eligibility for ENGL& 101 AND eligibility for MATH 96

BIOL& 211
Majors Cellular **5**
(NS-L) Principles of cellular biology as they apply to organisms. Prerequisite to BIOL& 231, BIOL& 232 and BIOL& 260.

Prerequisites: Placement into ENGL& 101; and CHEM& 121, or CHEM& 161 and CHEM& 162, all with a grade of C or higher.

BIOL& 221
Majors Ecology/Evolution **5.5**
(NS-L) Mendelian genetics, evolution, biodiversity of life forms, and ecology. First course of three-quarter series. For students intending to major in the sciences.

Prerequisites: CHEM& 161 (or concurrent enrollment) or equivalent, with a grade of C (2.0) or higher. All prerequisites must be taken within the last five years, OR instructor permission.

BIOL& 222
Majors Cell/Molecular **5.5**
(NS-L) 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.

Prerequisites: BIOL& 221 with a grade of C (2.0) or higher and CHEM& 162 (or concurrent enrollment) with a grade of C (2.0) or higher. All prerequisites must be taken within the last five years, or instructor permission.

BIOL& 223
Majors Organismal Physiology **5.5**
(NS-L) For students intending to major in the sciences. Animal development and physiology, plant development and physiology, including photosynthesis. Final course of three-quarter series.

Prerequisites: BIOL& 222 with a grade of C (2.0) or higher and CHEM& 163 (or concurrent enrollment) with a grade of C or higher. All prerequisites must be taken within the last five years, or instructor permission.

BIOL& 231
Human Anatomy **5**
(NS-L) Detailed examination of the structure of the human body using human models, human skeletons, microscopic slides, digital photographs and animations, fresh animal specimen dissection, and dissection of the preserved cat. For allied health professional majors.

Prerequisites: BIOL& 211, or BIOL& 221 and BIOL& 222; and CHEM& 121 or CHEM& 161 and CHEM& 162 or higher, all with a grade of C or higher. All prerequisites must be taken within the last five years, or instructor permission.

BIOL& 232
Human Physiology **5**
(NS-L) Detailed study of the functioning, integration and interrelationships of the following organ systems of the human body using lecture and lab exercises: Neurologic(Including Autonomic and Special Senses), Muscular, Endocrine, Cardiac, Circulatory, Renal, Reproductive (including Pregnancy, Development, Growth and Senescence), Immune, Hematologic, Respiratory.

Prerequisites: BIOL& 211 and 231, or BIOL& 221 and 222 and 223; and CHEM& 121, or CHEM& 161 and CHEM 162, all with a grade of C or higher. All prerequisites must be taken within the last five years, or instructor permission.

BIOL& 260
Microbiology **5**
(NS-L) Survey of microorganisms and their biological activities, with special emphasis on bacteria.

Prerequisites: BIOL& 211 and BIOL& 232; or BIOL& 222 and BIOL& 223; all with a grade of C or higher. All prerequisites must be taken within the last five years, or instructor permission.

BOTANY

Botany courses provide preparation for life science disciplines. BOT 113 satisfies the Natural Science Lab (NS-L) graduation distribution requirement. In addition to the Student Core Learning Outcomes, botany courses also support the Associate of Science Degree Learning Outcomes: Apply quantitative analysis to solve problems, Apply the Scientific Method, Critically evaluate the science-related content in reports/media/public policy, and Effectively communicate scientific processes.

Faculty Advisor:
R. Fester **425-388-9503** **rfester@everettcc.edu**

BOT 113
Plants of the Pacific Northwest **5**
(NS-L) Introduction to classification and identification of ferns, conifers and flowering plants, with an emphasis on flora of the Pacific Northwest. Includes principles of naming and classification, plant reproduction, ecological interaction, and human use of plants.

Prerequisites: Eligibility for ENGL& 101 AND MATH 76 or MATH 080, OR eligibility for MATH 86 via a math assessment

BOT 115
Ethnobotany: Plants and People **5**
(D, NS-L) Botanical and cultural aspects of interactions between plants and people from around the world. Satisfies

Prerequisites: Eligibility for ENGL& 101 AND MATH 76 or MATH 080, OR eligibility for MATH 86 via a math assessment

BUSINESS

The Associate in Business DTA degree for business majors is a 90-credit program which includes the coursework required for transfer to a four-year college or university with junior-class standing. This is the recommended program for students who intend to earn a baccalaureate degree in business administration. Universities offer a number of specializations in business: Management, Economics, Marketing, International Business, and Finance, etc.

The 90-credit Associate in Technical Arts (ATA) degree program is designed for non-transfer students who desire an associate degree in Business Administration.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Describe the multiple contexts of business - social, cultural, economic and legal - within a sustainable domestic and global environment
- Evaluate and process quantitative and symbolic data
- Define how elements of the legal environment impact business
- Demonstrate the ability to effectively plan and to communicate orally and in writing
- Apply appropriate technology and frameworks to input, manage, and interpret business information
- Record transactions and prepare financial statements for a business entity

Faculty Advisors:

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BUS& 101
Introduction to Business **5**
(SS) Survey of, and orientation to, the American business system. Overview of business environment, private enterprise system, business organization, management processes, and business operation. Intended as an introductory course for students majoring in any field of study.

BUS 104
Business English **5**
Focuses on standards and conventions of written English. Review of abbreviations, capitalization, grammar, numbers, compounds and hyphenations, possessives, punctuation, spelling, and word confusions. Includes proofreading and editing.

Prerequisites: Placement in English 97 or higher

BUS 105
Small Business Essentials **5**
Study of small business with an emphasis on using systems thinking to identify and successfully pursue business opportunities. Topics include identifying a viable business opportunity, using business planning tools, preparing a marketing plan, and understanding the functions of management, operations and financial planning. Major business functions and the business lifecycle will be explored.

BUS 110
Business Communications **5**
(D) Study of business communication principles within the global workplace. Includes effectively presenting good, neutral, and bad news, direct and persuasive requests, short reports, and spoken presentations to diverse audiences. Also includes listening skills and interpreting nonverbal communication within varying cultures.

Prerequisites: Placement in ENGL 98

BUS 121
Banquet and Conference Operations **3**
Planning, budgeting, organizing, and managing timelines for banquet and conference operations. Researching and applying client information to effectively plan banquets and conferences, developing support documents for planning, implementing, and evaluating events while identifying and meeting customer needs are the focus of this course. Turning banquet event orders into serviceable events with proper room setup, interdepartmental communication, service etiquette, and post-event breakdown are practiced. Site selection, food and beverage choices, audio visual and other electronic equipment, ancillary services, and marketing contracts.

Prerequisites: Eligibility for ENGL 97 and eligibility for MATH 76

BUS 122
Event Planning Operations **5**
Foundation concepts of the event planning industry: creating experiential moments, out-sourcing, and teamwork, selecting venues, utilizing technology, exploring career pathways, and using basic budgeting skills specific to account receivables and payables. Information needed to develop, plan, out-source, and produce meaningful business meetings and other experiential events for guests and clients are covered. The financial structure of events and how to ensure effective cost budgeting and revenue streams while operating as an independent contractor or employee of an organization will also be developed.

Prerequisites: Eligibility for ENGL 97, and eligibility for MATH 76

BUS 123
Menu Design **3**
Overview of menu design and creation including, but not limited to, menu trends, item placement, the psychology of design, using the menu for marketing purposes, and basic menu costing. This course explores how marketing is used in the creation and placement of menu items and how food and beverage outlets use their menu to maximize business profitability.

Prerequisites: Eligibility for ENGL 97 and eligibility for Math 76

BUS 124
Food and Beverage Operations **5**
Introduction to the food and beverage industry. Topics of study include areas of foci such as food culture, foodservice factors, outlets within the industry, menu costing, marketing, staffing levels, sanitation, and how to safely serve food in hospitality. This course allows students to gain industry insights while completing coursework that is relevant to current industry trends and best practices.

Prerequisites: Eligibility for ENGL 97 and eligibility for MATH 76

BUS 130
Business Computations **5**
Apply mathematical concepts using numerical data in Excel to complete business applications. Create formulas and use functions of Excel to compute basic math operations, fractions, percent, percent increase/decrease, bank reconciliation, payroll, taxes and insurance, discounts, markup/markdown, interest, mortgages, depreciation, and financial statements.

Prerequisites: Eligibility for MATH 76 via a math assessment

BUS 131
Introduction to Mobile App Development **5**
Covers the fundamentals of mobile app development for the iOS platform. Provides hands-on experience for beginning programmers to learn the basics of mobile app programming using the Swift language for iOS. Includes standard development tools and resources, an introduction to the Swift language, and the Xcode integrated development environment.

BUS 135
Introduction to Data Analytics **3**
An introduction to data analytics for a business environment. Quantitative and statistical techniques that can be applied to a wide range of business situations.

Prerequisites: Eligibility for MATH 76

BUS 150
Principles of Marketing **5**
Introductory study of marketing concepts viewed from a managerial approach. Study of fundamental business activities that direct flow of goods and services from producer to consumer. Includes promotion, distribution and pricing.

BUS 154
Human Resources and Supervision **5**
Explores the critical elements of human engagement to meet the mission of a business, and the critical role of the supervisor in business and employee success. Areas of emphasis include workforce planning, motivation, leadership, empowerment, authority, employee discipline, communication and training. Key aspects of Human Resources management relating to compensation, benefits, occupational safety, health and security in the context of business success.

Prerequisites: CL 101 or instructor permission

BUS 156
Sales Fundamentals **3**
Sales Fundamentals provides students with a foundation of principles in selling for Business to Business (B2B) and Business to Consumer (B2C). Students discover the art of and dynamic activity required for establishing customer lifetime value through an emphasis on relationship cultivation. This course introduces key components to the selling process as related to marketing principles. The ingredients of AIDA (Attention, Interest, Desire, Action) and marketing mix, including emphasis on sales promotion, are contextualized through role play exercises. Technology and CRM platforms (Customer Relationship Management) will be introduced as critical tools for greater efficiency in sales outcomes. The course will also introduce students to personal selling and communication skills that help to engage any audience whether a prospective customer or a prospective employer.

BUS 165
Service Essentials for Business **5**
(R) The challenges of building a business enterprise by satisfying customer needs. Historical perspectives on transactional versus relational service strategies Interpersonal communication, customer expectations, teamwork, dealing with angry customers, first-call resolution, exploring service culture, and service recovery. Changes in customer expectations concerning technology and capacity to engage with Customer Service Representatives (CSRs) through a variety of communication channels including call centers, texting, instant messaging, and online chat. A study of face-to-face service engagement by a CSR. This course satisfies the Human Relations requirement at EvCC.

BUS 190
Business Seminar **1-5**
Seminar will be used to teach various subjects in the areas of management, marketing, and operations. Subjects will be current topics in these fields that are not in the published curriculum. May be repeated three times for credit.

BUS 200
Principles of Management **5**
Introduction to basic principles of good business management. Consideration of basic management functions of organizing, planning, directing, staffing, and controlling.

BUS& 201
Business Law **5**
(SS) Origin, evolution, concepts, structure, and functions of law and judicial system. Includes contracts, agency, torts, Uniform Commercial Code, employment law, property and landlord tenant law, trusts and estates, and constitutional law, forms of business organization, consumer legislation, and crime. Emphasis is on gaining a practical understanding of rights and obligations arising from entering into contracts. Required law course for business students intending to transfer to universities in the state of Washington.

Prerequisites: ENGL 98 or ESL 98 or IELP 98 or placement into ENGL& 101

BUS 230
Introduction to Hospitality **5**
Introduce the structure and operations of the three key sectors in the hospitality industry (food and beverage, lodging, and travel), the economic impact of the industry, and career options in hospitality.

BUS 295
Business Internship **1-5**
Provides students with a supervised work environment to apply their management, marketing and operations knowledge in either a for-profit or non-profit organization to foster professional growth and to gain self-confidence directly associated with certification and/or the degree focus of individual students.

Prerequisites: Instructor permission

BUS 350
Business Research **5**
Exploration of research and usage of information, abilities, and capacities of business research, theory, and practice. Hypothetical and applied systems to clarify the advancement of the examination of thought, writing, and creating theories with exploration of ethics in business. Focus on accounting and business research that will prepare students for advanced courses.

Prerequisites: ENGL& 235

BUSINESS TECHNOLOGY

Business Technology (BT) offers programs leading to one- and two-year certificates and a two-year Associate in Technical Arts (ATA) degree. These programs provide training and preparation for general, legal, and medical office positions.

First-year courses emphasize the basic knowledge and skills necessary to prepare students for entry-level office positions. Second-year offerings include advanced courses and an internship to prepare students for higher levels of employment. Students completing an ATA Degree can directly transfer their credits toward a four-year degree.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Anticipate and actively explore innovative solutions to technological and organizational challenges
- Demonstrate critical thinking, analytical, and quantitative skills in making decisions and completing tasks and projects both independently and as a dependable team member
- Demonstrate effective verbal and written communication using the principles of clear thinking, awareness of audience, appropriate conventions of format, structure, and language
- Work ethically, integrating law, company rules and policies, and individual decision-making to foster personal growth and better appreciate the diverse world in which we live
- Use computers to input, manage, and interpret information and to solve business problems in a variety of situations
- Demonstrate safe work habits that reflect concern and care for self and an understanding of social, economic, and environmental systems in the context of sustainability
- Develop the skills and experience necessary to secure employment, including development of documents and skills necessary for job search

Faculty Advisors:

P. Desmond	**425-388-9235**	**pdesmond@everettcc.edu**
C. Fullerton	**425-388-9964**	**cfullerton@everettcc.edu**
D. Hicks	**425-259-8266**	**dhicks@everettcc.edu**
T. Markovich	**425-388-9241**	**tmarkovich@everettcc.edu**

BT 100
Beginning Keyboarding **5**
Introduces keying-by-touch system emphasizing correct ergonomics. Development of speed and accuracy. Includes techniques for editing, saving, opening and closing documents and application of skills to personal letters and reports.

BT 103
Grammar and Punctuation for Business **2**
Self-paced review of grammar and punctuation in a computer-mediated lab setting. Focuses on recognizing the parts of speech in the context of sentences. Emphasis is on improving basic writing skills with practice writing both sentences and paragraphs.

BT 105
Keyboarding - Speed and Accuracy 3
Improve keyboarding speed and accuracy through the use of programmed software which diagnoses student keyboarding problems and prescribes appropriate practice material. May be repeated one time.

BT 107
Dragon NaturallySpeaking Voice Dictation 3
Introduction to Dragon NaturallySpeaking speech recognition and dictation technology in a professional setting. Increase dictation speed and accuracy with applications to email, web browsers and word processing.

BT 128
Coding for Reimbursement 5
Introduction to the common coding classification systems used in healthcare. Examines the impact and relationship between medical coding and reimbursement. Not intended for students in the Medical Coding Certificate or Medical Billing and Coding ATA programs.

Prerequisites: MC 120

BT 130
Editing/Transcription 5
Develops entry-level transcription and editing skills and develops understanding of the mechanics of good writing. Proofreading skills are emphasized. Business correspondence is transcribed using WAV files and appropriate software.

Prerequisites: BUS 104 (or concurrent enrollment) or instructor permission

BT 180
Principles of Medical Insurance 5
Introduction of the medical billing cycle. Explanation of private and government health insurance policies, analysis of insurance forms, and recognition of legal issues and medical confidentiality (HIPAA). Completion of patient and insurance forms: registration, authorization, consent, patient ledger, day sheets, and claim form.

BT 181
Diversity in Law and Ethics for Health Care Occupations 5
(D) Introduction to law and ethics as it relates to the medical office setting and patient-provider relationships. Emphasizes being inclusive instead of exclusive while exploring components of social justice and cultural diversity in the ambulatory health care setting. Topics include bioethics, professional liability, public duties, informed consent, employment practices, allocation of scarce medical resources, genetic engineering, and choices in life and death.

BT 182
Medical Reception 5
Preparation to perform medical front office duties including being HIPAA compliant, scheduling appointments, communicating with patients with various abilities and with healthcare professionals, monitoring release of patient information, recognizing safety hazards, and creating welcoming office environments.

Prerequisites: CL 101

BT 219
Introduction to Microsoft Word 5
Introduces word processing functions and applications using Microsoft Word. Covers creating, revising, formatting, saving and retrieving documents; file management; merge; selecting typefaces; creating and centering tables; using pagination; selecting text; formatting footnotes; finding and replacing text and formats; and using multiple windows. Includes required on-site certification exam. CL 101 recommended as a prerequisite.

BT 242
Excel 5
Presents intermediate/advanced techniques in Microsoft Excel. Emphasis on creating professional-looking workbooks, using templates, creating multiple worksheets and using functions. Includes required on-site certification exam.

Prerequisites: CL 101 or instructor permission

BT 243
Advanced Excel Applications 5
Continuation of BT 242 Excel. Project-based approach to improve workflow, eliminate repetition, and produce more informative reports; maintain and enhance existing spreadsheets; create new workbooks using best business practices and advanced Excel techniques; and develop and refine business analysis skills using advanced Excel features. Includes required on-site certification exam.

Prerequisites: BT 242 or instructor permission

BT 261
Advanced Office Procedures and Integrated Applications 5
Build and refine skills in office management, travel arrangements, human relations, telephone techniques, electronic scheduling, and keyboarding. Students use integrated software to create databases, spreadsheets, word processing documents, presentation graphics projects, and calendar scheduling with emphasis on analytical thinking.

Prerequisites: CL 110, BT 115, BT 219, BT 240, BT 242, BUS 104, BUS 110D, BUS 130, and instructor permission

CHEMISTRY

Chemistry courses provide preparation for science, pre-medicine and health science disciplines. These courses satisfy the Natural Science Lab (NS-L) graduation distribution requirement.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

Apply quantitative analysis to solve problems: by solving problems through the use of algebra, analyzing and predicting outcomes from graphical data, and converting between scientific units

Apply the scientific method: by forming hypothesis based upon observations, design and implement simple experiments, and draw reasonable conclusions

Critically evaluate the science related content: by interpreting data from graphs and tables

Effectively communicate scientific processes: by writing laboratory reports that include data in tabular and graphical format, and summarizing results to explain the phenomena studied

Faculty Advisors:

M. Boeckl	**425-388-9966**	**mboeckl@everettcc.edu**
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CHEM& 121
Introduction to Chemistry 5
(NS-L) Atomic and molecular structure, chemical bonding, nomenclature, states of matter, solutions, acids and bases, stoichiometry, quantitative and qualitative behavior of gases, dimensional analysis, reaction rates and chemical equilibrium. For students majoring in liberal arts, nursing, radiation technology, pre-occupation therapy, and dental hygiene. Not recommended for students planning to continue beyond CHEM& 131; see Chemistry series.

Prerequisites: Eligibility for ENGL& 101 and eligibility for MATH 96

CHEM& 131
Introduction to Organic/Biochemistry 5
(NS-L) Structure, nomenclature, and reactions of organic compounds, introduction to biochemistry.

Prerequisites: CHEM& 121 or CHEM& 161 with a grade of C (2.0) or higher, AND eligibility for ENGL& 101; or instructor permission

CHEM& 140
General Chemistry Prep w/Lab 5
(NS-L) Includes measurements, properties and structure of matter, nomenclature, and weight relations. Intended for students who want to obtain the chemistry background needed for the CHEM& 161 - 163 series. Not intended for students with a recent course in high school chemistry. This course does not meet the prerequisites for the nursing program.

Prerequisites: Eligibility for ENGL& 101 and eligibility for MATH 96

CHEM& 161
General Chemistry w/Lab I **5.5**
(NS-L) Properties of matter, atomic theory, atomic structure, periodicity, bonding models (Ionic, Covalent, VSEPR, Hybridization), nomenclature, molecular shapes, intermolecular forces, reactions and stoichiometry. For pre-medicine, pre-dentistry, pre-veterinary medicine, pre-pharmacy, and all engineering and science majors.

Prerequisites: Eligibility for ENGL& 101 AND eligibility for MATH& 141. One of the following: CHEM& 140 with a grade of C or higher, or one year of high school chemistry with a C or higher within the last one year, or pass the chemistry placement test, or MATH& 152 with a B+ or higher

CHEM& 162
General Chemistry w/Lab II **5.5**
(NS-L) Aqueous reaction (precipitation, acid-base, redox), stoichiometry, thermochemistry, thermodynamics, ideal gases, properties of liquids, solids, and solutions. For pre-medicine, pre-dentistry, pre-veterinary medicine, pre-pharmacy, and all engineering and science majors.

Prerequisites: CHEM& 161 with a grade of C or higher

CHEM& 163
General Chemistry w/Lab III **5.5**
(NS-L) Equilibrium, Acid/Base equilibrium, solubility equilibrium, buffers, electrochemistry, kinetics, nuclear chemistry, For pre-medicine, pre-dentistry, pre-veterinary medicine, pre-pharmacy, and all engineering and science majors.

Prerequisites: CHEM& 162 with a grade of C or higher

CHEM& 261
Organic Chemistry w/Lab I **6**
(NS-L) Chemistry of carbon compounds, with emphasis on structure, nomenclature, reactions, mechanisms, and synthesis of main types of organic compounds.

Prerequisites: ENGL 98 with grade of C or higher, and CHEM& 163, or CHEM& 162 with instructor permission

CHEM& 262
Organic Chemistry w/Lab II **6**
(NS-L) Chemistry of carbon compounds, with emphasis on structure, nomenclature, reactions, mechanisms, and synthesis of main types of organic compounds. Continuation of CHEM& 261.

Prerequisites: CHEM& 261 with grade of C or higher

CHEM& 263
Organic Chemistry w/Lab III **6**
(NS-L) Chemistry of carbon compounds, with emphasis on structure, nomenclature, reactions, mechanisms, and synthesis of main types of organic compounds. Continuation of CHEM& 262.

Prerequisites: CHEM& 262 with grade of C or higher

CHINESE

See World Languages

Don't see the language you're looking for? Please visit EverettCC.edu/World Languages for a list of language courses offered at Everett Community College.

COLLEGE SUCCESS

College Success 101 is required for all degree seeking students who are new to Everett Community College and have not completed 45 college-level credits with a minimum 2.0 GPA at time of enrollment.

The following programs are exempt for this requirement in 2023-24:

Advanced Manufacturing Technology, which includes Composites, Computer Aided Design, Mechatronics, Manufacturing Tech, Precision Machining, Welding and Fabrication; Aviation, Cosmetology, Fire Science/EMT, Medical Assisting, Medical Coding, Medical Transcription/Editing, Certified Nursing Assistant, all Basic Skills programs, Running Start students, and students enrolled in STEM 101.

COLL 100
Study Skills for Academic Recovery **2**
Textbook reading, memory techniques, test taking, note taking, and study strategies for students needing academic support and recovery. Emphasizes practical methods to work successfully through difficult material in lectures and textbooks as well as student reflection on past academic challenges.

COLL 101
College Success **2**
Develop, understand and apply college success strategies to include college resources and student services, rights and responsibilities, funding college, organization, time management, appreciating diversity, learning strategies, choosing a college major, achieving college goals and completing an academic plan.

COLL 102
Academic Reading Skills **2**
Critical reading and recall, using academic sources from one or more of a student's other courses, to increase comprehension and prepare for tests. Application and evaluation of a variety of strategic reading, note-taking, and vocabulary building practices. A companion course to other college-level classes; students should be concurrently enrolled in a 100-level class.

COLL 105
Study Skills for Academic Success **5**
Focus on study skills required to excel in college courses. Emphasis on strategies to comprehend college textbooks, materials, and lectures. Identify study strategies and communication techniques, manage time effectively, improve memory, prepare for tests, improve note-taking, and use library and internet resources.

COLL 180
College & Career Skills for Neurodivergent Learners **2**
Introduction and exploration in neurodivergent identity and individual learning. Learn how to improve in executive functioning, social interaction, self-advocacy, and self-regulation. Identify personal strengths to build strategies for success. Course is based on principles of social justice and the neurodiversity movement. Students must self-identify as autistic or neurodivergent (autism, ADHD, dyslexia, dyscalculia, etc.) to take this course.

Prerequisites: COLL 101 or STEM 101 or concurrent enrollment, or instructor permission

COMMUNICATION STUDIES

Communication Studies is the examination of human interaction, information transmission, and social institutions. In addition to studying the traditional art of rhetoric, communication skills and analysis are taught and explored in the contexts of interpersonal, intercultural, small group, and mass communication. Communication studies nurture self-awareness, civil discourse, critical thinking, and more effective human interaction in both an individual's personal and professional life.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Students will develop the organizational and research skills necessary to write and speak effectively
- Students will demonstrate awareness of different audiences, styles, and approaches to oral communication
- Students will develop and practice self-reflection and inquiry methods which produce meaningful conclusions

Faculty Advisors:

M. Murphy	**425-388-9552**	**mmurphy@everettcc.edu**
J. Sickles	**425-388-9152**	**jsickles@everettcc.edu**

CMST& 102
Introduction to Mass Media **5**
(H,SS) Survey course exploring the role of mass media in society, with an emphasis on developing students' media-literacy skills. Topics include current and historical uses of mass media, media economics, and the impacts of the digital revolution.

CMST 104
Oral Interpretation of Literature **5**
(H) Study of literature through performance and theory. Literary understanding and appreciation are emphasized through the examination of prose, poetry, and drama. Performance skills are developed by learning to communicate literature through voice and body.

CMST 182
Service Learning **1-2**
Service Learning combines the opportunity of volunteerism with academic applications of social, economic, and political issues important to the community. Provides for real life application of communication skills and knowledge that extends learning beyond the classroom and into the community. A maximum of six credits may be earned.

Prerequisites: Instructor permission

CMST 204
Intercultural Communication **5**
(H,D) Introduction to communication between people from different cultures. Focuses on application of research and theory in intercultural communication. Explains the roles of verbal and nonverbal codes in the development of intercultural interpersonal relationships. Describes obstacles to intercultural communications and develops skills to overcome them.

Prerequisites: Completion of ENGL 98 with a C or higher or eligibility for ENGL& 101

CMST& 210
Interpersonal Communication **5**
(H, SS, R) Introduces theories and skills related to understanding and improving communication in social, family and work situations. Examine how self-concept, perception, language and nonverbal communication impact relationship development and conflict resolution.

Prerequisites: Eligibility for ENGL& 101

CMST& 220
Public Speaking **5**
(C,H) Methods of speech organization and composition; speaking skills in varied settings; audience analysis and speech criticism.

Prerequisites: Completion of ENGL 98 with a C or higher or eligibility for ENGL& 101

CMST 223
Public Speaking for Educators **5**
(C,H) CMST& 220 option for education majors. Methods of speech organization and composition for education students, speaking skills in educational settings, situational analysis and instructional communication assessment.

Prerequisites: Completion of ENGL 98 or ESL 98 or IELP 98 with a C or higher or placement in ENGL& 101

CMST& 230
Small Group Communication **5**
(H, SS, R) Principles and methods of human interaction in social, family, learning, and problem solving groups. Through active learning, students become more comfortable and competent participants in the group process using problem solving methodologies, understanding power dynamics, developing individual and leadership roles and conflict management skills.

Prerequisites: Eligibility for ENGL& 101

CMST 340
Advanced Business & Organizational Communication **5**
Using current research, real-world examples, and personal reflection students will develop communication competence skills needed to navigate a contemporary and diverse workplace in a self-aware, creative, and ethical way. Topics include workplace identity, diversity, and intercultural competence; listening, problem-solving and collaborating in teams; managing self and others; leadership strategies, motivation, and change; strategic communication and conflict management; advanced public speaking and accessible training techniques; overload and burnout.

Prerequisites: Admission to the BAS in Accounting program

COMPOSITES TECHNOLOGY

Students may pursue a certificate or ATA degree in composites technology to prepare for employment in the automotive, sports, aviation and marine industries. The overall program is designed for maximum flexibility, and may be pursued on a full-time or part-time basis.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Solve technical mathematical problems (such as fiber resin ratio)
- Learn basic hand skills for the layup of composites materials using fiberglass, carbon fiber, epoxy and polyester resin
- Design molds and forms for the layup of fiberglass and carbon fiber materials
- Build and vacuum bag composite materials for room temperature cure and oven cure materials
- Create projects in composite materials showing how surface energy is increased and decreased
- Design for producibility and manufacturing ease
- Document technical activities in written and verbal reports
- Be prepared for successful employment

Faculty Advisors:
M. Patching **425-388-9092** **mpatching@everettcc.edu**

CT 101
Introduction to Composites **5**
Introduction to composite materials and their uses in industry with a focus on developing basic fabrication skills and the safe use of materials.

CT 102
Composite Technology 1 **20**
Theory and application of composite manufacturing principles: knowledge of material types and resin systems; curing and cross linking of polymer resin systems; design considerations to construct laminates and sandwich core parts; knowledge and use of layup techniques. Use of both open and closed molding methods are reviewed, including: wet layup, filament winding, vacuum bagging, resin infusion process (VARTM), and light resin transfer modeling (LRTM). The use of core material properties; precision measurement tools to finish cured composites to print specifications; and understanding and demonstration of material handling and shop safety practices.

Prerequisites: Eligibility for MATH 76 via a math assessment, AND instructor permission

CT 111
Math and Physics in Composites **4**
The mathematical computations and scientific principles that apply to the operation of aircraft and related equipment. May be repeated one time for credit.

Corequisites: CT 122, CT 161, and CT 202

CT 120
Composite Fabrication **4**
Print reading, project planning, layout, distortion control, use of alignment fixtures and other fabrication techniques; apply knowledge to projects.

Corequisites: CT 125, CT 130, CT 145

Prerequisites: CT 111, CT 122, CT 161 and CT 202 with a grade of C or higher, OR AVA 101 and AVA 203 with a grade of C or higher; AND instructor permission

CT 121
Materials Used in Composites **5**
In-depth examination of the physical properties of composites. Includes study of the composition and forms of fibers, the manufacture and properties of resins, and the purposes and properties of core materials. Introduction to Non-Destructive Inspection(NDI) and other types of inspections to assess the damage to materials. May be repeated one time for credit.

Prerequisites: CT 101

CT 122
Weight and Balance **2**
The importance of weight and balance to aircraft safety, and the required calculations for weight and balance checks, equipment changes, extreme loading checks and the addition of ballast. May be repeated one time for credit.

Corequisites: CT 111, CT 161, CT 202

Prerequisites: Instructor permission

CT 125
Composite Assembly **4**
Identify and utilize appropriate materials and processes to assemble structures made of composite materials. Laboratory experience will cover safety of handling resins, reinforcements, and related materials.

Corequisites: CT 120, CT 130, CT 145

Prerequisites: CT 111, CT 122, CT 161 and CT 202

with a grade of C or higher, OR AVA 101 and AVA 203 with a grade of C or higher; AND instructor permission

CT 130
Composite Repair **4**
Inspect, test and repair composite structures. Areas of emphasis include structural and nonstructural evaluation, material handling, surface preparation and repair procedures.

Corequisites: CT 120, CT 125, CT 145.

Prerequisites: CT 111, CT 122, CT 161 and CT 202

with a C or higher, OR AVA 101 and AVA 203 with a C or higher; AND instructor permission

CT 145
Composite Special Projects **5**
Develop composite material manufacturing skills through knowledge, development and implementation of the manufacturing process, such as Print reading, project planning layout, distortion control, fixturing and other fabrication techniques. Students will develop a unique design and work both individually and collaboratively to execute the manufacturing of this desired product.

Prerequisites: Completion of CT 101 or CT 102 with a C or higher

CT 161
Materials and Processes **5**
Identification and selection of non-destructive testing methods. Dye-penetrant, eddy current, ultra-sound, and magnetic particle inspections. Basic heat-treating processes. Aircraft hardware and materials. Inspection of welds. Precision measurements. May be repeated one time for credit.

Corequisites: CT 111, CT 122, CT 202

Prerequisites: Instructor permission

CT 201
Design and Manufacture of Composite Materials **5**
Focuses on the design of composite materials including fiber lay-up and composite material warp and fill. Examines manufacturing processes, vacuum bagging, resin transfer molding, filament winding, infusion molding, and pultrusion. Includes methods of heating and curing composite material and the use of positive and negative molds. May be repeated one time for credit.

Prerequisites: CT 121

CT 202
Composites **5**
Inspection and repair of all types of composite structures including transparent plastic enclosures and interiors. May be repeated one time for credit.

Corequisites: CT 111, CT 122, CT 161

Prerequisites: Instructor permission

CT 203
Composite Technology 2 **20**
Theory and application of advanced composite manufacturing principles are covered. Mold manufacturing techniques; tooling, bonding and fastener application; damage inspection and repair.

Prerequisites: CT 102 and instructor permission

CT 221
Inspection and Repair of Composite Materials **5**
Focuses on damage assessment, including non-destructive inspection. Lab work emphasizes use of technical documents, repair design manuals, ply direction and overlay, proper core placement and testing of the finished part.

Prerequisites: CT 201

COMPUTER INFORMATION SYSTEMS

See Information Technology

COMPUTER LITERACY

Computer literacy courses introduce students to the basics of file management and the Windows and Microsoft Office environment. Computer literacy courses are appropriate for students gaining entry-level computer training and meet prerequisite requirements for most upper-level computer classes.

Faculty Advisor:
T. Markovich **425-388-9241** **tmarkovich@everettcc.edu**

CL 101
Computer Literacy **5**
Introduces students to the Windows environment and to the Microsoft Office software program. Emphasis on file management. Uses practical problems to illustrate computer applications including database, spreadsheets, presentation graphics, word processing, email, and internet. BT 100 or keyboarding speed of 20 wpm recommended.

CL 102
Using the Computer and Managing Files **2**
Overview of the basic functions of a personal computer and its operating system. Includes understanding of the computer environment, working with icons and basic windows tasks, managing files, identifying and understanding viruses, and dealing with printer setup and output.

Class has continuous enrollment; sections are taught in a computer lab. Students may select the hours to attend while the lab is open. Student work is self-paced with assistance available at all times.

CL 103
Word Processing **2**
Provides an overview of Word. Includes creating and formatting word processing documents and duplicating and moving text within and between documents. Other Word features introduced include creating standard tables, using pictures and images in a document, and using mail merge tools.

Class has continuous enrollment; sections are taught in a computer lab. Students may select the hours to attend while the lab is open. Student work is self-paced with assistance available at all times.

CL 104
Spreadsheets **2**
Overview of Excel. Includes developing, formatting, and modifying Excel spreadsheets. Other Excel concepts introduced include applying standard mathematical and logical formulas and creating and formatting graphs and charts.

Class has continuous enrollment; sections are taught in a computer lab. Students may select the hours to attend while the lab is open. Student work is self-paced with assistance available at all times.

CL 105
Databases **2**
Overview of Access. Includes creating and modifying Access tables, queries, forms, and reports. Other Access concepts introduced include creating relationships between tables and retrieving and manipulating information by using queries and sort tools.

Class has continuous enrollment; sections are taught in a computer lab. Students may select the hours to attend while the lab is open. Student work is self-paced with assistance available at all times.

CL 106
PowerPoint **2**
Overview of PowerPoint. Includes creating, formatting, modifying, and preparing presentations using different slide layouts. Other PowerPoint concepts include duplicating and moving text, pictures, images, and charts within and between presentations and using a variety of slide show effects.

Class has continuous enrollment; sections are taught in a computer lab. Students may select the hours to attend while the lab is open. Student work is self-paced with assistance available at all times.

CL 107
Fundamental Concepts of Basic Computer Systems **2**
Overview of the physical make-up of a personal computer system and fundamental concepts. Basic concepts include how a computer functions, hardware, software, security, and legal issues associated with computers.

Class has continuous enrollment; sections are taught in a computer lab. Students may select the hours to attend while the lab is open. Student work is self-paced with assistance available at all times.

CL 110
Managing Internet Communication **2**
Introduction to cloud computing, social media, text/chat, mobile apps, and internet research for business using OneNote and Outlook. Outlook concepts include managing email, calendars, tasks, and contacts in both web- and server-based email programs. OneNote concepts include creating, formatting, organizing and sharing information. Includes required on-site certification exam.

Prerequisites: CL 101

COMPUTER SCIENCE

Students interested in transferring to a university with a major in computer information systems, or a related area, may pursue the Associate of Applied Science - Transfer. The AAS-T degree enables students to complete a highly focused 90-credit technical program that meets transfer requirements at selected universities. Currently, EvCC has an AAS-T transfer agreement with Central Washington University. EvCC also offers other Information Technology applications with certificates in: Computer Support Technician I and II, Internet Programming, Project Management, and Casino Gaming Systems.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Demonstrate analytical problem solving skills
- Apply scientific processes
- Collaborate effectively
- Communication technical information
- Apply engineering design processes

Faculty Advisor:

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CS 110
Introduction to Computer Science **5**
(NS) Introductory course for students with little programming knowledge and experience. Familiarizes students with basic software design and programming concepts and constructs such as data types, assignments, sequential-versus-selective execution, nesting, loops, arrays, I/O streams and basic procedural programming.

Prerequisites: Eligibility for ENGL& 101 AND eligibility for MATH& 107 or higher; OR instructor permission

CS& 131
Computer Science I C++ **5**
(NS) Software development focusing on providing a deeper level of understanding of programming concepts such as data types, use of variables, assignment statements, control structures, modular design using procedures, pointers, dynamic memory, and array data structures. Familiarizes students with memory management notions and with Object Oriented Programming concepts.

Prerequisites: CS 110; OR ENGR 121, OR instructor permission

CS 132
Computer Science II C++ **5**
(NS) Advanced software development using the C++ programming language, emphasizing object-oriented concepts and fundamental data structures techniques. Introduces concepts of recursion, modularity, encapsulation, inheritance, templates, polymorphic class design, and self-referential data structures; focuses on fundamental abstract data types (stacks, queues, linked lists, binary trees) and their use.

Prerequisites: CS& 131 with a grade of C or higher; OR instructor permission

CS& 141
Computer Science I Java **5**
(NS) Basic programming concepts used for solutions of engineering & science problems using the Java language. Topics include classes, object, methods; variables & types; conditional & iteration control structures, arrays; strings; collections & iterators.

Prerequisites: CS 110; OR ENGR 121; OR instructor permission

CS 143
Computer Science II Java **5**
(NS) Advanced software development using the Java programming language, emphasizing object-oriented concepts and fundamental data structures techniques. Introduces concepts of recursion, modularity, encapsulation, inheritance, templates, polymorphic class design, and self-referential data structures; focuses on abstract data types (stacks, queues, linked lists, binary trees) and their use.

Prerequisites: CS& 141 with a grade of C or higher; or instructor permission

CS 233
Advanced Data Structures and Introduction to Algorithms C++ **5**
(NS) Advanced data structures and fundamental computer science algorithms using various techniques. Introduces algorithm complexity analysis and asymptotic notation. Emphasizes the design, analysis and comparison of various algorithmic solutions for a problem through the use of advanced data structures using the C++ programming language.

Prerequisites: CS 132 with a grade of C or higher; or instructor permission

CS 244
Advanced Data Structures and Introduction to Algorithms Java 5
(NS) Advanced data structures and fundamental computer science algorithms using various techniques. Introduces algorithm complexity analysis and asymptotic notation. Emphasizes the design, analysis and comparison of various algorithmic solutions for a problem through the use of advanced data structures using the Java programming language.

Prerequisites: CS 143 with a grade of C or higher; or instructor permission

CS 260
Introduction to Computer Architecture 5
(NS) Introduction to the fundamental concepts and principles in computer architecture which establishes the link between an assembly program and a processor. Topics include: writing assembly programs to solve problems, understanding how programs run on a CP, the relationship between assembly language and high-level programs written in the C language, the basics of modern computer architecture (including the MIPS instruction set), CPU implementation (datapath and control, pipeline), Memory hierarchy, and I/O.

Prerequisites: CS 233 or concurrent enrollment, OR CS 244 or concurrent enrollment; OR instructor permission

CORPORATE & CONTINUING EDUCATION CENTER

The Corporate & Continuing Education Center meets business and industry training needs by developing and delivering high quality customized training, professional development, and small business acceleration courses and programs throughout the Snohomish County and the Puget Sound region. CCEC provides a single point of contact to access high demand training and education ranging from one-hour programs to full certificate programs, professional continuing education, certifications, and corporate training: www.everettcc.edu/ccec Students may attend classes from remote locations, online, or onsite at our college and these programs are built with the busy, adult learner in mind. Programs are also held at company preferred locations or at area organizations. Customized training can be delivered onsite at your company or at CCEC, which is located at 909 N Broadway, Everett, WA 98201, at EvCC's main campus. CCEC's location features multiple computer labs, training rooms, and ample parking. For a complete list of training programs and services including a variety of community education programs in classes like photography, art, sewing, yoga, personal investing, and more visit www.everettcc.edu/ccec

COSMETOLOGY

The Cosmetology Program offers an Associate of Technical Arts Degree (ATA) or certificate and is made up of three subdivisions: hair care, skin care and nail care services. Everett Community College's requirement for licensing is 1730 hours. The curriculum prepares the prospective cosmetologist for the Washington State Examinations. Classes operate on a seven-hour-per-day schedule: M, T, W, F: 8 a.m.-4 p.m.; TH: 12-8:00 p.m. (Class hours may change without notice.) The program provides experience in customer services in a salon environment. Notice to students: Because many chemical sprays and airborne pollutants are found in this occupation, students are advised to consult their physicians as to possible problems (i.e., allergies, asthma, dermatitis, etc.) before enrolling.

Attendance at a program information session is required. Please call 425-259-8283 or check for dates at EverettCC.edu/Cosmo.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Perform hair care services for all types of hair including hair analysis, hair cutting, hairstyling, hair coloring and lightening, permanent waving and chemical relaxing.
- Perform natural nail services including manicuring and pedicuring.
- Perform basic skin care services including skin analysis, facials, makeup application and superfluous hair removal.
- Demonstrate customer service skills, self-growth and personal development.
- Perform salon business such as front desk operations, dispensary inventory and loss prevention, resume building and interviewing skills, self marketing and the basic knowledge of starting one's own salon business.
- To have the knowledge of decontamination control, public hygiene and special sanitation procedures used for the protection of the client and the operator.
- Possess the necessary skills to pass the Washington State licensure written and practical exams required for a professional license to work in the Cosmetology industry.

Faculty Advisors:

T. Murphy	**425-259-8285**	**tmurphy@everettcc.edu**
T. Schuetze	**425-259-8288**	**tschuetze@everettcc.edu**

CHD 110
Trichology 2
Introduction to the study of hair's function, structure, and characteristics. Signs and symptoms of hair conditions, diseases, and disorders. Special emphasis on disinfection and sanitation procedures and determining if a hair service can be provided.

Prerequisites: Eligibility for ENGL 98

CHD 120
Cosmetology Compendium 3
Theoretical and practical review from previous Cosmetology courses in preparation for in-house computerized exam and practical exam before applying for Washington State Board examination. Preparation of portfolio for future job opportunities. Designed for fifth quarter students preparing for the Washington State Written and Practical Licensure Exam.

Corequisites: COSMT 219

Prerequisites: COSMT 218 and 1,200 clock hours

CHD 202
Hair Design Advanced Color Lab and Salon Practice 5
Students will continue to practice salon services on the EvCC Salon floor under the supervision of a licensed cosmetology instructor. During this class students will learn about and practice the most current and advanced color techniques in the industry including foiling, bleach and tone, balayage and corrective color. To gain salon experience, students practice on models, mannequins, clients and each other. Emphasis placed on safety and quality of work while meeting industry target time.

Corequisites: COSMT 111 or COSMT 112

Prerequisites: Instructor Permission and CHD 201

CHD 203
Men's Haircutting and Beard Design Lab and Salon Practice 9-15
Students will continue to practice salon services on the EvCC salon floor under the supervision of a licensed cosmetology instructor. During this class, students will learn about and practice the most current and advanced men's haircuts, styles and beard designs. Students will learn how to use appropriate barbering tools to achieve the look. To gain salon experience, students practice on models, mannequins, clients and each other. Emphasis placed on safety and quality of work while meeting industry target time.

Corequisites: COSMT 111 or COSMT 112

Prerequisites: Instructor Permission and CHD 201

CHD 204
Advanced Haircutting and Design Lab and Salon Practice 9-15
Students will continue to practice salon services on the EvCC Salon floor under the supervision of a licensed cosmetology instructor. During this class students will learn about and practice advanced haircutting and styling techniques requested in the salon today. Shears, razors and texturizing shears will be used to accomplish the look. To gain salon experience, students practice on models, mannequins, clients and each other. Emphasis placed on safety and quality of work while meeting industry target time.

Corequisites: COSMT 111 or COSMT 112

Prerequisites: Instructor Permission and CHD 201

CHD 205
Textured Hair Design Services Lab and Salon Practice 9-15
Students will continue to practice salon services on the EvCC Salon floor under the supervision of a licensed cosmetology instructor. During this class students will learn about and practice the most current and advanced textured hair services requested in the salon. The class will also review how to select the appropriate product used for natural hair styling and as a follow up to chemical textured services. To gain salon experience, students practice on models, mannequins, clients and each other. Emphasis is placed on safety and quality of work, while meeting industry target time.

Corequisites: COSMT 111 or COSMT 112

Prerequisites: Instructor Permission and CHD 201

CHD 211
Hair Design Basic Skills and Salon Practice 10-20
Introduction to and practice of shampooing/draping, hair and scalp analysis, hair and scalp treatment, haircutting, protective styles, wet and thermal styling, permanent waving, chemical relaxing, hair coloring/lightening, building of a professional portfolio, and safety measures and decontamination control. Students practice on manikins, models, and each other. Emphasis is placed on quality of work and knowledge of procedures, safety and decontamination control.

Prerequisites: Eligibility for ENGL 98

COSMT 102
Salon Communications 3
Standards and conventions of written and spoken English. Includes preparation, proofreading, and editing business and personal correspondence. Includes memos, advertisements, business cards, flyers, brochures, resumes, and other related projects. Review of abbreviations, capitalization, grammar, possessives, plurals, punctuation, and spelling.

Prerequisites: Eligibility for ENGL 98

COSMT 110
Trichology, Dermatology and Onychology 5
Introduction to the study of hair, skin and nails and their function, structure, and characteristics. Knowledge of the signs and symptoms of hair, skin, and nail conditions, diseases, and disorders. Special emphasis on disinfection and sanitation procedures and determination of whether a hair, skin, and/or nail service can be provided.

Prerequisites: Eligibility for ENGL 98

COSMT 111
Salon Management 5
Introduction to the main components of starting a salon business, salon operations, marketing strategies, factors affecting salon culture, business laws, and state laws. Implementation of branding and self-marketing. Special emphasis is placed on examining a variety of local salons and establishment of a mentor.

Prerequisites: Eligibility for ENGL 98

COSMT 112
Salon Safety, Chemistry, Electricity and Physiology 5
Methods of decontamination, universal precautions and responsibilities of a salon professional. Types and classifications of bacteria, fungi, viruses, parasites, and safety measures used. Introduction to chemistry used in chemical services and product ingredients as they relate to the cosmetology industry. Basic anatomy, physiology and types of electricity will also be covered. Training in First Aid and CPR is included.

Prerequisites: Eligibility for ENGL 98

COSMT 113
Basic Skin and Nail Care Theory and Practice 3-4
Introduction to the study of skin and nails and their function, structure, and characteristics. Care and treatment of skin, and nail diseases and disorders. Instruction/participation class is closely supervised in the introduction and practice of basic nail and skin care services performed by a cosmetologist. Gaining salon experience, students will practice on models, mannequins, and clients. Emphasis is placed on sanitation, safety, and quality of work, while meeting industry target time.

Prerequisites: Eligibility for ENGL 98

COSMT 120
Cosmetology Compendium 3
Theoretical and practical review from previous Cosmetology courses in preparation for in-house computerized exam and practical exam before applying for Washington State Board examination. Preparation of portfolio for future job opportunities. Designed for fifth quarter students preparing for the Washington State Written and Practical Licensure Exam.

Corequisites: COSMT 219

Prerequisites: COSMT 218 and 1,400 clock hours

COSMT 124
Instructor Trainee Theory I 3
Preparation to teach in the cosmetology classroom and create effective lesson plans and other classroom tools. Practice in preparation, teaching, testing, grading, and review. Prepares the student for the Washington State Instructor Licensing exams.

Corequisites: COSMT 240

Prerequisites: Cosmetology license, two years in a salon, and instructor permission

COSMT 125
Instructor Trainee Theory II 3
Preparation to teach in cosmetology clinic classroom. Practice in teaching and evaluating student performance skills and safety, and preparation for record keeping for front desk and dispensary. Prepares student for the Washington State Licensing Exams.

Corequisites: COSMT 240.

Prerequisites: Cosmetology License, two years in a salon, and instructor permission

COSMT 201
Cosmetology Basic Skills and Salon Practice 15
Instruction/participation class in basic services performed by a cosmetologist. This lecture/lab class is closely supervised in the introduction and practice of shampooing/draping, hair analysis/scalp and hair treatment, haircutting, wet styling, thermal styling, permanent waving, chemical relaxing, hair coloring/lightening, manicuring/pedicuring, basic facials, temporary hair removal, resume writing, safety measures and decontamination control. Students practice on mannequins, models and each other. Emphasis is placed on quality of work and knowledge of procedures, safety and decontamination control.

Prerequisites: Instructor permission

COSMT 202
Advanced Color Lab and Salon Practice 9-19
Students will continue to practice salon services on the EvCC Salon floor under the supervision of a licensed cosmetology instructor. During this class students will learn about and practice the most current and advanced color techniques in the industry including foiling, bleach and tone, balayage and corrective color. To gain salon experience, students practice on models, mannequins, clients and each other. Emphasis placed on safety and quality of work while meeting industry target time.

Corequisites: COSMT 110, 111, or 112

Prerequisites: COSMT 201 and instructor permission

COSMT 203
Men's Haircutting and Beard Design Lab and Salon Practice 9-19
Students will continue to practice salon services on the EvCC salon floor under the supervision of a licensed cosmetology instructor. During this class, students will learn about and practice the most current and advanced men's haircuts, styles and beard designs. Students will learn how to use appropriate barbering tools to achieve the look. To gain salon experience, students practice on models, mannequins, clients and each other. Emphasis placed on safety and quality of work while meeting industry target time.

Corequisites: COSMT 110, 111, or 112

Prerequisites: COSMT 201 and instructor permission

COSMT 204
Cosmetology Lab & Shop Practice IV 9-19
Students will continue to practice salon services on the EvCC Salon floor under the supervision of a licensed cosmetology instructor. During this class students will learn about and practice advanced haircutting and styling techniques requested in the salon today. Shears, razors and texturizing shears will be used to accomplish the look. To gain salon experience, students practice on models, mannequins, clients and each other. Emphasis placed on safety and quality of work while meeting industry target time.

Corequisites: COSMT 110, 111, or 112

Prerequisites: COSMT 201 and instructor permission

COSMT 205
Textured Hair Services Lab and Salon Practice 9-19
Students will continue to practice salon services on the EvCC Salon floor under the supervision of a licensed cosmetology instructor. During this class students will learn about and practice the most current and advanced textured hair services requested in the salon. The class will also review how to select the appropriate product used for natural hair styling and as a follow up to chemical textured services. To gain salon experience, students practice on models, mannequins, clients and each other. Emphasis is placed on safety and quality of work, while meeting industry target time.

Corequisites: COSMT 110, 111, or 112

Prerequisites: COSMT 201 and instructor permission

COSMT 206
Cosmetology Lab & Shop Practice VI
1-17.5
May be used to complete curriculum for special interest projects, and/or to complete required program clock hours. COSMT 206 is an additional quarter and is optional. May be repeated one time for credit.

Prerequisites: Instructor permission; COSMT 205 and 1,400 clock hours.

COSMT 211
Cosmetology Basic Skills and Salon Practice 10-20
Introduction to and practice of shampooing/draping, hair and scalp analysis, hair and scalp treatment, haircutting, protective styles, wet and thermal styling, permanent waving, chemical relaxing, hair coloring/lightening, manicuring/pedicuring, basic facials, temporary hair removal, building of a professional portfolio, and safety measures and decontamination control. Students practice on manikins, models, and each other. Emphasis is placed on quality of work and knowledge of procedures, safety and decontamination control.

Prerequisites: Eligibility for ENGL 98

COSMT 212
Advanced Color Lab 3
Current industry techniques including foiling, bleach and tone, balayage, and corrective color. Advanced color theory to assist in formulating during color consultations. Gaining salon experience, students practice on models, mannequins, and each other. Emphasis is placed on sanitation, safety, and quality of work, while meeting industry target time.

Prerequisites: COSMT 211

COSMT 213
Men's Haircutting and Beard Design Lab 3
Current and advanced men's haircuts, styles and beard designs. Use of appropriate barbering tools to achieve the look. Gaining salon experience, students will practice on models, mannequins, and clients. Emphasis is placed on sanitation, safety, and quality of work, while meeting industry target time.

Prerequisites: COSMT 211

COSMT 214
Advanced Haircutting and Styling Lab 3
Advanced haircutting and styling techniques requested in the salon today. Shears, razors and texturizing shears will be used to accomplish the look. Gaining salon experience, students practice on models, mannequins, clients and each other. Emphasis is placed on sanitation, safety, and quality of work, while meeting industry target time.

Prerequisites: COSMT 211

COSMT 215
Textured Hair Services Lab 3
Current and advanced textured hair services and protective styles. Review of product selection for protective hair styling and chemical textured services, and application of different types of extension installation. Gaining salon experience, students practice on models, mannequins, clients and each other. Emphasis is placed on sanitation, safety, and quality of work, while meeting industry target time.

Prerequisites: COSMT 211

COSMT 216
Cosmetology Lab and Shop Practice VI
7-18
Practice of the most current services requested in the salon. Tracking progress on retail sales, services sales, request clientele, rebooking, and add on services. Emphasis is placed on sanitation, safety, and quality of work, while meeting industry target time.

Prerequisites: COSMT 211 and 200 clock hours

COSMT 217
Cosmetology Lab and Shop Practice VII 7-18
Practice of the most current services requested in the salon. Tracking progress on retail sales, services sales, request clientele, rebooking, and add on services. Emphasis is placed on sanitation, safety, and quality of work, while meeting industry target time

Prerequisites: COSMT 216 and 400 clock hours

COSMT 218
Cosmetology Lab and Shop Practice VIII 7-18
Practice of the most current services requested in the salon. Tracking progress on retail sales, services sales, request clientele, rebooking, and add on services. Emphasis is placed on sanitation, safety, and quality of work, while meeting industry target time.

Prerequisites: COSMT 217 and 700 clock hours

COSMT 219
Cosmetology Lab and Shop Practice IX
7-18
Practice of the most current services requested in the salon. Tracking progress on retail sales, services sales, request clientele, rebooking, and add on services. Emphasis is placed on sanitation, safety, and quality of work, while meeting industry target time.

Prerequisites: COSMT 218 and 1000 clock hours

COSMT 240
Instructor Trainee Lab 3-14
Designed to prepare the student to teach in the cosmetology classroom. Assists students with practical applications of services to clients, problem solving, and answering questions. Designed to be taken concurrently with COSMT 124 and COSMT 125. Prepares the student for the Washington State Instructor Licensing exams.

Corequisites: COSMT 124 or COSMT 125.

Prerequisites: Cosmetology license, two years in a salon, and instructor permission

COSMT 251
Cosmetology Internship 1-5
During their final quarter, cosmetology students with advanced standing can complete a Cosmetology Internship to gain industry-based work experience. The student, faculty member, and salon member will work under the guidance of a learning plan with a contracted salon or other business venture serving this licensed field to accomplish a planned set of learning objectives.

Prerequisites: Instructor permission and 1,200-1,300 hours of instruction

COSMT 299
Special Projects 5
Special Projects

CRIMINAL JUSTICE

The criminal justice program is interdisciplinary and excels in addressing the needs of contemporary students. The program provides firm foundations in criminal justice, communication skills, psychology, criminal law, forensics, and sociology. A theory-into-practice formula is applied to the curriculum which allows students increasing involvement in theory, research, and practice. The program curriculum is diverse and provides an excellent opportunity to see the criminal justice system as it actually functions.

The Everett Community College's criminal justice program offers a Cybercrime Investigation certificate, an Associate in Arts and Sciences degree and an Associate in Applied Science degree.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Apply knowledge and verbal skills to effectively communicate with criminal suspects, victims, witnesses, persons in crisis and others in need.
- Identify constitutional freedoms and rights, and how an ethical criminal justice system and participatory citizenship protect those freedoms and rights.
- Analyze a criminal case to determine its appropriate processing, given an understanding of the jurisdiction and functions of police, courts and corrections as components of an interdependent criminal justice system.
- Secure and process a crime scene, employing proper techniques of evidence gathering, searching, sketching and on-scene interviewing.
- Analyze cyber criminology and the legal practices, practical digital investigative knowledge, and policies related to cyber-criminal investigations.
- Analyze criminal statutes to determine the statutes' elements, constitutionality and proper application.
- Produce written incident and investigative reports that are useful and professional in terms of accuracy, completeness, spelling and grammar.

CJ& 101
Introduction to Criminal Justice **5**
(TE) Philosophical and historical review of the American criminal justice system; introduction to civil and criminal law; problems with crime and the police; organization and jurisdiction of local, state and federal agencies; career and job opportunities. It examines the US criminal justice system from the initial incident to the final disposition at state and federal levels. This is a prerequisite course for the Criminal Justice Program.

CJ 102
Police Patrol Operations **5**
Study of patrol procedures: preparation, communications, observation, field interviews, responses to crime in progress, identification and description of persons and property, vehicle stops, control of suspects, methods of patrol, duty to public services, and emergency tactics. Practical field exercises give students the opportunity to practice safety techniques as they are learned.

Prerequisites: CJ& 101 or permission of Criminal Justice Coordinator

CJ 103
Criminal Investigations **5**
Investigative techniques, criminal procedure, crime scene management and the laws that govern investigations.

Prerequisites: CJ& 101 or permission of Criminal Justice Coordinator

CJ& 105
Introduction to Corrections **5**
(TE) Philosophical and historical examination of the American correctional system. Traditional approaches to corrections are compared with new trends at the local, state, and federal levels. Career opportunities, requirements for job entrance, and training for corrections are reviewed.

CJ 107
Criminal Evidence **3**
Identifies various kinds of evidence and the rules governing the admissibility of evidence in court. Case law, practical handling procedures, and other evidence related techniques are studied.

Prerequisites: CJ& 101 or permission of Criminal Justice Coordinator

CJ 108
Laws of Arrest, Search, and Seizure **3**
(TE) Constitutional restrictions and statutory limitations on governmental powers of arrest, search and seizure, particularly as they relate to Washington State.

Prerequisites: CJ& 101 or permission of Criminal Justice Coordinator

CJ& 110
Criminal Law **5**
(TE) Survey course designed for those seeking a career in criminal justice. It provides an understanding of US legal history, the philosophy of law, legal definitions, constitutional issues, criminal analysis, case reviews, and an overview of federal and state criminal laws, including juvenile justice.

Prerequisites: CJ& 101 or permission of Criminal Justice Coordinator

CJ& 112
Criminology **5**
(SS) Explores the nature and extent of crime and delinquency, examines criminological theories of causes and solutions, analyzes law and the criminal justice system. NOTE: Student should consider completing SOC& 101 prior to enrolling in CJ& 112.

Prerequisites: Completion of CJ& 101 required for Criminal Justice majors only. For everyone: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101.

CJ 114
Introduction to Crisis Intervention **5**
Introduction to the psychology of victims, effective crisis intervention strategies, and the legal aspects of intervention. Introduction to de-escalation methods, defusing techniques, active listening, and the importance of negotiation. Students will apply these skills and receive appropriate instructor review and critique during role-playing scenarios.

Prerequisites: CJ& 101 or instructor permission

CJ 115
Inequities in Criminal Justice **5**
(SS) Examines crime and the criminal justice system through the lens of race, class, gender, and gender expression. It follows those that are marginalized as they move through the criminal justice process, analyzes laws and law enforcement practices that may compromise equality; examines historic injustices regarding the application of laws and administering of sentences by the court used to suppress and control those underrepresented in society; and engages with issues regarding re-entry, disenfranchisement, and recidivism. Discussion of possible remedies and solutions to these challenges.

Prerequisites: Eligibility for ENGL& 101

CJ 125
Forensic Photography and Imaging **3**
Crime scene and evidence photography utilized by law enforcement personnel. Examines the current methods of obtaining accurate and reliable photo evidence necessary for prosecution of criminal cases. Explores state and federal legalities, 35mm vs. digital photos, analog and digital video, crime scene photography and documentation, court room presentation of photo and video evidence, tracking devices, mini-cameras and surveillance techniques.

Prerequisites: Completion of or concurrent enrollment in CJ& 101

CJ 150
Introduction to Natural Resources Law Enforcement **3**
History and philosophy of natural resources law enforcement and management practices, and a general overview of resource protection and conservation laws. Professional career opportunities are surveyed and entrance requirements for jobs in fish and wildlife, forestry, parks, environmental protection and land management are examined.

CJ 175
Introduction to Homeland Security **5**
Overview of the issues affecting Homeland Security risk, threat, and vulnerability assessments. The roles of emergency response agencies; identifying critical infrastructure. The role of government to prevent, prepare for, respond to, and recover from acts of terrorism in the United States and throughout the world.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101

CJ 176
Homeland Security II **5**
Advanced study of homeland security to include critical infrastructure identification, prioritization, and assessment, advanced incident command systems, and weapons of mass destruction prevention through intelligence collection and analysis. Students successfully completing class will receive credit for ICS 300 and ICS 400 certification.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101

CJ 201
Narcotics and Dangerous Drugs **3**
Basic orientation to drug laws and the classification of drugs. Symptoms of drug abuse and commonly used paraphernalia are examined. The class explores trade routes, drug production, pharmacology, as well as the global and national impact of drugs.

Prerequisites: CJ& 101 or permission of Criminal Justice Coordinator

CJ 202
Child Abuse Investigation **3**
Historical overview of society's view of children and the evolution of intervention into the family. Within this context the role of criminal justice and Child Protective Services are discussed. Practical techniques of investigating neglect, physical and sexual abuse of children are presented, along with the dynamics of the victim, family, and the offender.

Prerequisites: CJ& 101 or permission of Criminal Justice Coordinator

CJ 203
Information and Cyber Warfare **5**
Overview of the global cyber threats that target US infrastructure as a military strategy, stealing corporate intellectual property for financial gain, and manipulating information in the social media for political gain. Study of different City, State, and Federal agencies involved in preventing and responding to a cyber-attack. History of cyber war, cyber weapons, and the tactics used in a cyber-based battlefield. Analysis of sophisticated cyber-attack and the complex challenges it brings to law enforcement, emergency responders, and citizens.

Prerequisites: ENGL 98 or instructor permission

CJ 204
Open-Source Intelligence Gathering **5**
Introduction to open-source intelligence (OSINT) and its use in law enforcement investigations. Explores significant areas of intelligence gathering collected from publicly available sources. Open-source intelligence gathering (OSINT) provides online investigative skills for the prediction, prevention, investigation, and prosecution of criminals.

Prerequisites: ENGL 98 or instructor permission

CJ 205
Cybercriminals, Laws, and Evidence **5**
Exploration of components involved in forensic cybercrime investigations: initial detection, evidence collection, and courtroom prosecution. Technical and legal difficulties involved in searching, extracting, maintaining, and storing electronic evidence. Legal implications of forensic cybercrime investigations and rules of legal procedure relevant to electronic evidence. Examination of significant and current computer forensic developments and the implications for a variety of fields including computer science, security, criminology, law, public policy, and administration.

Prerequisites: ENGL 98 or instructor permission

CJ 220
Police-Community Relations **3**
Examination and historical review of the relationship between law enforcement officers and the public. The emphasis of the class centers on that relationship as it exists today, and involves issues of police professionalism, prejudices, profiling and other issues.

Prerequisites: CJ& 101 or permission of Criminal Justice Coordinator

CJ 222
Professional Development **3**
Focuses on the extensive application, testing and hiring process in criminal justice. Addresses the minimum standards for being a law enforcement officer in Washington State, instruction on how to prepare and submit an application and resume, how to prepare and present yourself in the Oral Board interview, what to expect during the pre-employment and background investigation as well as the polygraph and psychological exam. Students will participate in many of these phases to develop a stronger skill set and understanding of this process.

Prerequisites: CJ& 101 or permission of Criminal Justice Coordinator

CJ 224
Professional Communication Skills **5**
Overview of effective communication processes for criminal justice professionals including verbal and non-verbal communication, interviewing and interrogation methods, courtroom demeanor.

Prerequisites: CJ& 101 or permission of Criminal Justice Coordinator

CJ 226
Criminal Justice Report Writing **5**
Introduction to writing modern law enforcement reports. Includes techniques of writing in a clear, concise and accurate manner, the use of standard police forms, and the rules of disclosure.

Prerequisites: CJ& 101 or permission or Criminal Justice Coordinator, and completion of ENGL& 101 with a grade of C or higher

CJ 232
Profiling Criminal Behavior **5**
Provides students with a general understanding of the theory and purpose profiling criminal behavior. Not intended to teach students how to become "profilers," but an introduction to the theory and practice of profiling. Critical discussions of the use of profiles in the criminal justice system.

Prerequisites: CJ& 101 or permission of Criminal Justice Coordinator

CJ 233
Police Through Mass Media **5**
Examines public perception of criminal justice through film, television, and other forms of mass media. Both historical and current interpretations are studied to gain an appreciation of the symbolic interaction that occurs between the professional career field and popular culture.

Prerequisites: CJ& 101 or permission of Criminal Justice Coordinator

CJ 234
Family and Domestic Violence **5**
Examines the relationship between criminal justice and social service systems that deal with family and domestic violence, and how the criminal justice and social service communities work to provide a multi-agency approach to this devastating issue.

Prerequisites: CJ& 101 or permission of Criminal Justice Coordinator

CJ 235
Criminalistics and Trace Evidence Lab **5**
Laboratory-based curriculum applies scientific concepts unique to the specific forensic science requirements of the criminal justice system. Concepts include crime scene reconstruction, legal integrity of scientific evidence, and individualization of physical evidence.

Prerequisites: CJ& 101 or permission of Criminal Justice Coordinator

CJ 236
Capstone in Criminal Justice **5**
Encapsulates the student learning as reflected in the development and delivery of a culminating project related to a contemporary issue in the criminal justice field.

Prerequisites: Permission of Criminal Justice Coordinator

CJ 241
Victimology **3**
Examination of relationship between victims and various components of the criminal justice system. Topics include history of victim's rights movement, assistance programs, patterns and trends, interaction with law enforcement, rights and remedies in the court system and advocacy. Special focus given to victims of specific offenses such as stalking, domestic violence, hate crimes and sex crimes involving adults and children.

Prerequisites: Successful completion of ENGL& 101 with grade of C or higher

CJ 242
Organized Crime **3**
Focuses on theories and the evolution of traditional organized crime in America. Examines new and emerging organized crime groups and their relationship to domestic criminal enterprise.

Prerequisites: Successful completion of ENGL& 101 with grade of C or higher

CJ 243
Ethical Dilemmas in Criminal Justice **5**
Exploration of legal, moral and social implications of ethical dilemmas in criminal justice, including police use of deadly force, police discretion, victimless crimes, surveillance, enforcement of unpopular laws, use of informants, plea bargaining, judicial discretion, capital punishment, cultural norms of sub-groups and dilemmas they present to criminal justice practitioners.

Prerequisites: CJ& 101 or permission of Criminal Justice coordinator; completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101

CJ 244
Current Issues in Policing **5**
Issues related to the accountability of the police to the electorate through the political process. In addition to focusing on the governmental setting for police work, police policies and practices, and current political issues in municipal police agencies, this course considers contemporary issues of importance to line-level police officers and administrative personnel. May be repeated two times for credit.

Prerequisites: CJ& 101 or permission of Criminal Justice Director

CJ 250
Cooperative Work Experience **1-5**
Supervised field experience in local law enforcement, corrections and other criminal justice agencies. Each student works approximately 10 hours per week at a variety of assigned tasks directly associated with the criminal justice system.

Prerequisites: CJ& 101 and permission of Criminal Justice Coordinator

CJ 251
Cooperative Work Experience **1-5**
Supervised field experience in local law enforcement, corrections and other criminal justice agencies. Each student works approximately 10 hours per week at a variety of assigned tasks directly associated with the criminal justice system.

Prerequisites: CJ& 101 and permission of Criminal Justice Coordinator

CJ 252
Cooperative Work Experience **1-5**
Supervised field experience in local law enforcement, corrections and other criminal justice agencies. Each student works approximately 10 hours per week at a variety of assigned tasks directly associated with the criminal justice system.

Prerequisites: CJ& 101 and permission of Criminal Justice Coordinator

CJ& 240
Introduction to Forensic Sciences **5**
(TE) History of forensic science, overview of the forensic sciences including pathology, dentistry, anthropology, entomology, psychology/psychiatry, fingerprints, DNA, blood stains, questioned documents, accounting, ballistics, toxicology, explosives, and cybertechnology. Course will explore the use of forensic sciences in investigations, adjudications, convictions, and exonerations.

Prerequisites: Completion of ENGL 98 with a grade of "C" or higher or eligibility for ENGL& 101

DEVELOPMENTAL EDUCATION

The College Developmental Education program is for students who need to improve study techniques and learning strategies, academic computer skills, reading speed, reading comprehension, vocabulary, and critical reading, writing and thinking skills. Courses are offered at two levels (pre-college and college) and provide individualized assistance for students who want to succeed in their college and career goals and need to become more academically competitive.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Developmental Education students will be able to move into college-level classes within 1-2 quarters to pursue their degrees and successfully complete their programs of study.

Faculty Advisor:
K. Schwab **425-388-9052** **kschwab@everettcc.edu**

DEVED 84
Introduction to College Reading **3-5**
Designed to improve students' reading knowledge, skills and abilities in order to prepare for college courses that require reading. Emphasis on reading using metacognitive processes, preparing for and taking part in discussion groups, and building fluency and vocabulary. Equivalent to TS 84. Credit cannot be earned in both DEVED 84 and TS 84.

DEVED 94
Reading and Thinking for Academics I **3-5**
This course is designed for students who desire improvement and basic skill building for success in college-level reading. Emphasis is on reading comprehension, vocabulary development and improved speed.

DEVED 95
Study Skills for College Survival **5**
Focus on college success and basic study skills. Course is designed for the student who is returning to school or is seeking ways to survive in college. Identify learning styles, manage time, utilize student support services, read textbooks, take notes, take tests, and use library and Internet resources. May be repeated two times for credit.

DEVED 96
Computer Comfort **5**
Designed for students who need basic computer confidence and skill building. Emphasis is on basic computer skills and learning strategies to help students succeed in college-level classes. No prior computer experience is necessary; recommended for students who are new to computers and hesitant about today's technology as used in college classrooms. May be repeated two times for credit.

DEVED 99
Bridge Learning Modules **1-2**
The Bridge Learning Modules will offer 1-2 credit modules in pre-college level reading, learning strategies, study skills support, and basic computer technology for academic success in college classes. It is designed for all students needing or desiring extra learning strategies, reading skills, and study skills support in their college courses. May be repeated two times for credit.

DEVED 182
Service Learning **1-2**
Service Learning combines the opportunity of volunteerism with academic applications of social, economic, and political issues important to the local community. Provides for real-life application of skills and knowledge that extends learning beyond the classroom and into the community. May be repeated up to six credits.

Prerequisites: Instructor permission

DRAMA

Theatre courses emphasize the development of knowledge and skills in theatre appreciation, history, acting, and production. Advanced students may develop special projects in directing, play writing, and technical theatre to complete their degree program. Internships are also available for work performed in a professional environment. The majority of theatre courses satisfy the Humanities or Humanities ‚Äì Performance graduation distribution requirement. These courses support the Student Core Learning Outcomes with particular emphasis on the following: engage and take responsibility as active learners, communicate effectively and think critically.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Critically evaluate musical or theatrical performances, using terminology specific to the discipline.
- Describe the historical, social, and aesthetic context of theatrical or musical works.
- Demonstrate skills and technical proficiency in a selected area of performance (acting, vocal music or instrumental music).
- Demonstrate performance skills through participation in student recitals or theatrical productions.

DRMA 100
Rehearsal, Production and Performance **2-5**
(HP) Active participation in a theatrical production. Course registration follows the audition, interview and selection process. Students enroll in 2-5 credits depending upon the performance role commitment or technical crew responsibilities. May be repeated two times for credit.

Prerequisites: Instructor permission following audition and casting

DRMA& 101
Introduction to Theatre **5**
(H) Introduction to significant forms and styles of theatre; nature of dramatic event; theatre as artistic expression; basic trends and movements in theatre; origins, organizations and nature of theatre productions; and functions of playwright, producer, director, actor, critic, audience, designer, and technicians of the art form.

DRMA 102
Beginning Acting **5**
(HP) Techniques and terminology of various approaches to acting including the Stanislavski method. Includes introduction to definitive theater exercises, improvisation, character development, scene analysis, and culminates in rehearsed and performed scene work.

DRMA 121
Acting Styles **5**
(HP) Emphasizes the specific skills needed to perform works representative of a variety of periods ranging from classical Greek theater to Shakespeare to contemporary texts. Coursework includes class discussion, exercises and scene work, culminating in an acting showcase. Introduces stage combat and swordplay techniques. May be repeated one time for credit.

DRMA 130
Improvisation and Sketch Comedy **5**
(HP) Techniques and practices to increase confidence and creativity in performance. Through practical application, emphasizes team building fundamentals key to improvisation and the basic structure and format of a comic sketch.

DRMA 250
Theatre Internship **5**
Supervised work experience as an intern. May be with a qualified employer or in a project with a private or public agency. Students must have completed most of the required coursework and must obtain a recommendation for internship from their instructor. It is the student's responsibility to obtain the internship. Performance will be evaluated by the college instructor and the internship supervisor. Internship can apply once to AFA degree electives. May be repeated two times for credit.

Prerequisites: Instructor permission

EARLY CHILDHOOD EDUCATION

Early Childhood Education (ECE) is an educational program for students planning to work with young children in a variety of settings, including preschools, child care centers, family child care and public schools. ECE courses are offered fully online with the exception of the hybrid (part online/part classroom) courses. Selected courses in the Education Department also fulfill program requirements for the ECE degree and certificate. Program options include an Early Childhood Education Certificate, an Associate in Technical Arts Degree in Early Childhood Education and an Associate in Arts and Sciences Degree - DTA (which is transferable to four-year colleges or universities).

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Subject Matter Knowledge: Students will gain sound knowledge of the central concepts, foundational theories and intellectual frameworks of education and teaching - approaches to guidance and discipline, constructivist learning principles, the role of family and communities - and develop the capability to relate each area of knowledge to another.
- Professional and Personal Attitudes: Students will be introduced to a variety of educational philosophies, attitudes and approaches in order to understand issues of professional teaching standards - what it means to be a competent and ethical teacher in a democratic society - and to develop a personal and lifelong commitment to knowledge, to the continuing pursuit of questions, and to a willingness to take risks.
- Instructional Strategies and Skills: Students will understand curriculum as a process - including learning goals and objectives, sequences of content, multiple instructional strategies and formal and informal assessment - through classroom observations and the development of instructional lessons that address individual learner needs and styles.
- Human Development and Learning: Students will be introduced to a variety of perspectives on human development and learning that support the diverse cognitive, psychological, and social needs of learners; and will understand the role of positive learning environments and effective relationships with learners.

Contact the ECE Department for further information or check the Everett Community College website at www.everettcc.edu Faculty in ECE can be contacted at 425-388-9301.

Faculty Advisors:

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J. Joyner	**425-388-9964**	**jjoyner@everettcc.edu**

ECE 127
Family Home Child Care Administration **3**
Study of the current practices for establishing and operating family child care homes. Focuses on licensing, scheduling, budgeting, record keeping, administration policy, educational activities, equipment, and staff/parent relationships.

ECE 132
Practicum Lab II **4**
Laboratory experience to enable the student to deepen their personal and professional skills and practical knowledge in working with young children. Students will be placed in an early childhood educational setting under the guidance of a faculty member.

Prerequisites: ECED& 160, ECED& 170, ECED& 180 and instructor permission

ECE 135
Family Dynamics **3**
Examines functional and atypical family systems and the impact on the young child. Explores methods that enhance learning by providing consistency and support to children in childcare, preschool, or school settings. Assists teachers of young children in finding effective ways of communicating with parents and connecting with appropriate community resources. This course has laboratory requirements.

Prerequisites: EDUC& 115D and either ECED& 105 or EDUC& 202

ECE 136
Family Child Care Curriculum **2**
Curriculum planning, implementation and evaluation for family child care programs. Emphasis on developmentally appropriate and culturally relevant practices in working with young children.

ECE 137
School Age Child Care **3**
Focus on programs for children ages five through age twelve and their after-school needs. Family issues, health and safety, program and activity planning and children's individual needs are covered in the context of providing developmentally appropriate school-age programs. This course includes laboratory requirement.

ECE 140
Family Culture and Self-concept **5**
(D) Examines family culture, stages of social development and development of self-concept in young children. Exploration of family as a foundation for social learning; considers culture, bias and stereotyping as issues having impact on young children.

ECE 150
ECE Winter Conference **1**
Attendance of annual early childhood conference presenting focus workshops. Areas and issues covered are developmentally appropriate practices, children with special learning needs, language/literacy issues, math/science/music concepts, health/safety practices, and diversity issues.

Prerequisites: Instructor permission.

ECE 207
Applications of Math/Science in Early Childhood Education **5**
Hands-on exploration of Math and Science curriculum appropriate for young children. Recommended for Elementary Education majors. This course has laboratory requirements.

Prerequisites: ECED& 160 or instructor permission

ECE 215
Art and Storytelling for Young Children **5**
The study of storytelling and art to meet the developmental domains of young children. Critical components of best practices in early childhood curriculum explored using art techniques and oral storytelling. Students will investigate theory, curriculum, appropriate language, cultural and diversity integration in regards to open-ended art processes and creative development through stories for young children. This course has laboratory requirements.

Prerequisites: EDUC& 115D and either ECED& 105 or EDUC& 202

ECE 233
Practicum Lab III **2**
Practical experience and application of early childhood competency areas of development. Students will be placed in an early childhood education setting under the guidance of a faculty member.

Prerequisites: ECE 132 or instructor permission.

ECE 239
Leadership and Mentoring in ECE **5**
Develop leadership, coaching and mentoring roles for program directors, program supervisors and aspiring leaders that support continual development, professionalism, ethics, and reflective practice for self and staff. This course has a laboratory component.

ECED& 105
Introduction to Early Childhood Education **5**
(SS) Explore the foundations of early childhood education. Examine theories defining the field, issues, trends, best practices, and program models. Observe children, professionals and programs in action. This course has laboratory components.

ECED& 107
Health/Safety/Nutrition **5**
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 & safe, report abuse & neglect, and connect families to community resources. This course has laboratory requirements.

ECED& 120
Practicum - Nurturing Relationships **2**
In an early learning setting, engage in establishing nurturing, supportive relationships with all children and professional peers. Focus on children's health & safety, promoting growth & development, and creating a culturally responsive environment. This course has laboratory requirements.

ECED& 132
Infant/Toddler Care **3**
Examine the unique developmental needs of infants and toddlers. Study the role of the caregiver, relationships with families, developmentally appropriate practices, nurturing environments for infants and toddlers, and culturally retentive care. This course has laboratory requirements.

Prerequisites: EDUC& 115D and ECED& 120; and either ECED& 105 or EDUC& 202

ECED& 134
Family Childcare Management **3**
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. This course has laboratory requirements.

Prerequisites: EDUC&115D and ECED&120 and either ECED&105 OR EDUC&202

ECED& 139
Administration of ECE **3**
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. This course has laboratory requirements.

Prerequisites: EDUC& 115D and ECED& 120; and either ECED& 105 or EDUC& 202

ECED& 160
Curriculum Development **5**
Investigate learning theory, program planning, tools and methods for curriculum development promoting language, fine/gross motor, social-emotional, cognitive and creative skills and growth in children birth through age 8 utilizing developmentally appropriate and culturally responsive practice. This course has laboratory requirements.

Prerequisites: EDUC& 115D and either ECED& 105 or EDUC& 202

ECED& 170
Learning Environments **3**
This class focuses on the adult's role in designing, evaluating, and improving indoor and outdoor environments that ensure quality learning, nurturing experiences, and optimize the development of young children. This course has laboratory requirements.

Prerequisites: EDUC& 115D and either ECED& 105 or EDUC& 202

ECED& 180
Language and Literacy **3**
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. This course has laboratory requirements.

Prerequisites: EDUC& 115D and either ECED& 105 or EDUC& 202

ECED& 190
Observation and Assessment **3**
Collect and record observation and assessment data in order to plan for and support the child, the family, the group, and the community. Practice reflection techniques, summarizing conclusions, and communicating findings. This course has laboratory requirements.

Prerequisites: EDUC& 115 and either ECED& 105 or EDUC& 202

EDUC& 136
School Age Care **3**
Develop skills to provide developmentally appropriate and culturally relevant activities/care for children ages 5-12 in a variety of settings. Topics include: implementation of curriculum, preparation of environments, building relationships, guiding cognitive and social emotional development, and community outreach. This course has laboratory requirements.

Prerequisites: EDUC& 115 and ECED& 120 and either ECED& 105 OR EDUC& 202

ECONOMICS

The study of economics will help students develop critical thinking skills and improve their ability to use economic concepts to analyze "real world" problems. Economic courses provide basic knowledge for students to become well informed global citizens and decision-makers. The Associate in Business DTA degree students are required to take ECON& 201, Microeconomics, and ECON& 202, Macroeconomics. ECON 101 will meet the social science distribution and diversity requirement for non-transfer degrees.

Faculty Advisors:

D. Hu	**425-388-9364**	**dhu@everettcc.edu**
J. Saxton	**425-388-9064**	**jsaxton@everettcc.edu**

ECON 101
Understanding Economics **5**

(SS, D) A survey course to help students better understand economic issues. Economic analysis of current events as a major activity. Not appropriate for DTA degree in Business Administration.

ECON& 201
Micro Economics **5**

(SS) Study of factors of supply and demand on production and prices. Emphasizes economic behavior of business firms in regulated and unregulated environments and International Trade issues. Prepares students for upper-division courses in microeconomics theory and managerial economics.

Prerequisites: MATH 092 or MATH 96 or MATH 99, or eligibility for MATH 138 via a math assessment

ECON& 202
Macro Economics **5**

(SS) Study of national economy: What determines national income level, economic growth and prosperity? What are the effects of government fiscal and monetary policies to the economy? Student exams issues regarding inflation, unemployment, government spending, taxation, money supply and impact of globalization. Various theories are put forth to explain business cycles in the U.S. and world economy. Prepares students for upper-division macro economic courses. ECON 101 may be substituted for ECON& 202 in vocational/technical business degree programs.

Prerequisites: MATH 092 or MATH 96 or MATH 99, or eligibility for MATH 138 via a math assessment

EDUCATION

The Education Program at Everett Community College is designed to give students an opportunity to explore the teaching profession, and to assist them in completing an Associate of Arts and Sciences - DTA that articulates with four-year schools. To become a K-8 elementary teacher in Washington State, students complete an AAS degree and transfer to an accredited four-year college or university for a Bachelor's degree and elementary teaching certification, or they can remain on the Everett campus to complete a Bachelor's degree and teaching certification at Western Washington University's program in elementary education.

Students wishing to become an 8-12 secondary education teacher complete an AAS and Bachelor's degree in the discipline they wish to teach, and then enter a secondary teaching certification program at a four-year college or university, including Western's Master in Teaching - Secondary Education degree program at Everett's University Center.

The Education Program also offers an Associate of Technical Arts degree for students interested in becoming an educational paraprofessional (current paraprofessionals employed in local K-12 school districts can possibly have work experience count as credit by equivalency), courses that satisfy requirements for the Early Childhood Education Program and participation in an active Teachers of Tomorrow student organization.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Subject Matter Knowledge: Students will explain the central concepts, foundations, theories and intellectual frameworks of professional teaching, including the tools of inquiry and structures of the disciplines they wish to teach in order to construct learning experiences that apply these aspects of the profession and disciplines.
- Personal and Professional Self-understanding: Students will analyze through observation and reflection a variety of educational philosophies and approaches and will examine issues of professional self-understanding in order to develop personal learning styles and individual teaching styles.
- Communication Skills: Students will employ interpersonal, instructional and cultural communication techniques in order to foster future active learning, dialogue, collaboration, and positive interaction and relations with peers, school officials, agencies, parents and learners.
- Instructional Planning and Design: Students will design instructional lessons by recognizing curriculum as a process of creating learning objectives, developing the scope and sequence of instructional content, and establishing formal and informal assessment strategies to evaluate instructional effectiveness.
- Multiple Teaching Strategies: Students will compare a variety of instructional strategies and methods that address individual learners and learning styles in order to develop collaborative critical thinking and creative problem solving skills in a variety of student populations.
- Knowledge of Human Development and Learning: Students will discuss a variety of perspectives on human development and learning in order to design learning experiences to support the cognitive, psychological and social differences and needs of cross-cultural and generational learners.
- Professional Commitment and Responsibility: Students will describe what it means to be a competent, ethical and professional teacher in a democratic, diverse and technological society in order to develop commitment to professional growth and to the legal and ethical responsibilities of American public school teachers.

Faculty Advisors:

D. Harker	**425-259-8261**	**dharker@everettcc.edu**
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EDUC 105
Parent Leadership Training Institute **5**

Prepares students to become leading participants in and advocates for children's education through an evidence-based, interactive examination of fundamental concepts of child development, community and government systems, education, leadership, and civic participation. All students are required to design and develop a community leadership project.

Prerequisites: Instructor permission

EDUC& 115D
Child Development **5**

(SS) 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. This course has laboratory requirements.

EDUC& 130
Guiding Behavior **3**

Examine the principles and theories promoting social competence in young children and creating safe learning environments. Develop skills promoting effective interactions, providing positive individual guidance, and enhancing group experiences. This course has laboratory requirements.

Prerequisites: EDUC& 115D and ECED& 120; and either ECED& 105 or EDUC& 202

EDUC& 136
School Age Care **3**

Develop skills to provide developmentally appropriate and culturally relevant activities/care for children ages 5-12 in a variety of settings. Topics include: implementation of curriculum, preparation of environments, building relationships, guiding cognitive and social emotional development, and community outreach. This course has laboratory requirements.

Prerequisites: EDUC&115D and ECED&120 and either ECED&105 OR EDUC&202

EDUC& 150D
Child, Family and Community **3**
(D) 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 communications. This course has laboratory requirements.

Prerequisites: EDUC& 115D and either ECED& 105 or EDUC& 202

EDUC 182
Service Learning **1-2**
Service Learning combines the opportunity of volunteerism with academic applications of educational social, economic, and political issues important to the local community. Provides for real-life application of skills and knowledge that extends learning beyond the classroom and into the community. May be repeated up to six credits.

Prerequisites: Instructor permission and completion of EDUC& 202

EDUC 190
Education Controversies **2**
Seminar designed to introduce education students to controversies in education. Through readings that represent arguments of leading educators and reflect a variety of viewpoints, discussions will be on opposing viewpoints, thinking critically and reaching considered judgments.

Prerequisites: EDUC& 202 or instructor permission

EDUC& 202
Introduction to Education **5**
(SS) Survey of historical, sociological, political and philosophical aspects of American public education. Includes investigation of the human experience of being a teacher, contemporary problems in education, classroom observations, and the application of educational frameworks to issues of teaching and learning.

EDUC& 203
Exceptional Child **3**
(TE) Explore the basic areas of need that result in qualifying for special education services for birth-8th grade students. Coverage of legislation that mandates an inclusive model for exceptional learners.

Prerequisites: EDUC& 115D and ECED& 120; and either ECED& 105 or EDUC& 202

EDUC 210
Education Philosophies **2**
Readings and discussions about educational philosophies within the context of education as social construction; and more broadly, as a process of human existential growth where understanding of the world are continually transformed.

Prerequisites: EDUC& 202 or instructor permission

EDUC 250
Education in Action **1-4**
(TE) Cooperative work experience in a field-based setting for education majors (see EDUC 256). Allows students to earn college credit for work experience in public school classrooms. Practical observation and work under supervision of a teacher. Students will have the opportunity to explore the teaching profession, and experience a wide variety of hands-on experiences during their placement, including observation, tutoring, facilitating learning groups and teaching lessons. If possible, students should begin their observation before the beginning of the quarter.

Corequisites: EDUC 256.

Prerequisites: EDUC& 202 or concurrent enrollment in EDUC& 202 or instructor permission

EDUC 251
Education in Action **1-4**
(TE) Cooperative work experience in a field-based setting for education majors (see EDUC 256). Allows students to earn college credit for work experience in public school classrooms. Practical observation and work under supervision of a teacher. Students will have the opportunity to explore the teaching profession, and experience a wide variety of hands-on experiences during their placement, including observation, tutoring, facilitating learning groups and teaching lessons. If possible, students should begin their observation before the beginning of the quarter.

Corequisites: EDUC 256

Prerequisites: EDUC& 202 or concurrent enrollment in EDUC& 202 or instructor permission

EDUC 252
Education in Action **1-4**
(TE) Cooperative work experience in a field-based setting for education majors (see EDUC 256). Allows students to earn college credit for work experience in public school classrooms. Practical observation and work under supervision of a teacher. Students will have the opportunity to explore the teaching profession, and experience a wide variety of hands-on experiences during their placement, including observation, tutoring, facilitating learning groups and teaching lessons. If possible, students should begin their observation before the beginning of the quarter.

Corequisites: EDUC 256

Prerequisites: EDUC& 202 or concurrent enrollment in EDUC& 202 or instructor permission

EDUC 256
Education in Action Seminar **2**
(TE) Seminar to support field work in local schools (see EDUC 250, EDUC 251, EDUC 252). Student will discuss their field experiences, and participate in micro-teaching in order to apply ideas from EDUC& 202, EDUC 250, EDUC 251 and EDUC 252. May be repeated two times for credit.

Corequisites: EDUC 250, EDUC 251 or EDUC 252.

Prerequisites: Instructor permission or completion of EDUC& 202 or concurrent enrollment in EDUC& 202

EDUC 270
Education Portfolio **2**
Course designed to introduce education students to the electronic teaching portfolio, and assist them to document their pre-service teaching activities and fulfill professional expectations of many colleges and universities.

Prerequisites: EDUC& 202 or ECE 130 or instructor permission

EMERGENCY SERVICES

See also Fire Science

This course provides fundamental training required to perform as emergency service medical personnel and to become certified as an EMT. This skills-oriented course involves extensive hands-on training in the evaluation and treatment of the sick and injured.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Patient assessment/management of a trauma patient
- Patient assessment/management of a medical patient
- Cardiac arrest management/AED
- Bag-valve-mask ventilation of an apneic patient
- Spinal immobilization
- Long bone fracture immobilization
- Joint dislocation immobilization
- Traction splinting
- Bleeding control/shock management
- Upper airway adjuncts and suction, mouth-to-mouth ventilation with supplemental oxygen, and supplemental oxygen administration to a breathing patient.
- Students must also successfully complete the NREMT psychomotor examination.

EMS 50
CBT: Competency Based Training for EMTs
Series of education courses on state-mandated topics following initial EMT certification to maintain and enhance skill and knowledge to meet educational requirements for recertification. CBT requires the successful completion of cognitive, affective and psychomotor evaluations following completion of each topic presentation to determine student competence of topic content.

Prerequisites: Washington State re-certification requirements for EMTs

EMS 151
Emergency Medical Technician Training 13
Designed to prepare participants in all phases of pre-hospital emergency care. Participants are eligible for the National Registry examination and the Washington State EMT-B examination upon successful completion of the course. Content includes lecture and hands-on practice in emergency care, bleeding and shock, soft tissue injuries, environmental emergencies, lifting and moving patients, HIV/AIDS education, emergency childbirth, and other topics.

Prerequisites: Eligibility for ENGL 97 or higher and MATH 079 or higher, approved program application (including passing an EMS pre-test with a score of 80% or higher), and instructor permission

EMS 152
Advanced Cardiac Life Support 1
Enhanced skills for Advanced Cardiac Life Support (ACLS) providers, in treating victims of cardiac arrest or other cardiopulmonary emergencies. Knowledge and skills for treating patients in special resuscitation emergencies and conditions, and to apply for American Heart Associate ACLS certification. Advanced preparation for the assessment, diagnosis and treatment of ST-Elevation Myocardial Infarction (STEMI) patients. Resuscitation airway products and skills. Recognition of cardiac arrhythmias in clinical practice, with emphasis on electrocardiogram (ECG) and drug treatment knowledge.

Prerequisites: Instructor permission

EMS 153
Pediatric Advanced Life Support 1
Pediatric Advanced Life Support (PALS) skills for healthcare providers who respond to emergencies in infants and children. Successful course completion satisfies the requirements for a PALS course completion card.

Prerequisites: Instructor permission

EMS 154
National Registry Emergency Medical Technician (NREMT) Refresher Course 3
A refresher course that provides a review of basic emergency medical care based on the identified topics outlined by the DOT (Department of Transportation) and NREMT (National Registry Emergency Medical Technician).

Prerequisites: Instructor permission

ENGINEERING

Engineering courses provide preparation for Engineering transfer and Engineering Technology transfer programs or related disciplines.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Demonstrate analytical problem solving skills.
- Apply scientific processes.
- Collaborate effectively.
- Communication technical information.
- Apply engineering design processes.

Faculty Advisors:

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ENGR 111
Introduction to Engineering I: Modeling and Analysis 5
(NS) A project based introduction to engineering analysis, problem solving, and mathematical modeling. Working in teams, students will complete a series of hands-on projects designed to emphasize a systematic, analytical problem solving approach and explore the engineering disciplines at a technical level. Topics include introductory engineering concepts; engineering for sustainability; teamwork skills; the application of mathematics, physics, and chemistry in engineering; unit systems; and an introduction to spreadsheet applications.

Prerequisites: Eligibility for ENGL& 101 AND eligibility for MATH 96; or instructor permission

ENGR& 114
Engineering Graphics 4
(NS) Methods of depicting three-dimensional objects and communicating design information. Emphasis on using parametric solid modeling software as a design tool. Freehand sketching is used to develop visualization skills and as an instrument for design conceptualization and communication.

Prerequisites: Eligibility for MATH& 107 or higher; OR ENG T 100, OR instructor permission

ENGR 121
Introduction to Engineering 2: Computing and Design 5
(TE) Second course in the Introduction to Engineering sequence. Explores the role of creativity, teamwork, and communication in promoting innovative design. Includes an introduction to computing, microcontroller programming and basic parameter optimization. Students develop knowledge and skills in all areas through a series of hands-on design projects.

Prerequisites: MATH& 142 and ENGR 111; OR MATH& 142 and STEM 102; or MATH& 152, or instructor permission

ENGR 201
Fundamentals of Materials Science 5
(NS) Atomic, molecular, and crystalline structures of the materials and the relation to electrical, mechanical, thermal, and chemical properties. Introduction to materials processing and fabrication techniques.

Prerequisites: CHEM& 161, AND PHYS& 241 or concurrent enrollment; OR instructor permission

ENGR 202
Design of Logic Circuits 6
(TE) Introduction to the basic components of logic circuits. Design and analysis of combinational and sequential logic circuits using relevant theorems, mathematical models, and hardware description language. Includes exposure to modern methods and design tools.

Prerequisites: MATH& 151 AND one of the following: CS& 131 or concurrent enrollment, CS& 141 or concurrent enrollment; OR instructor permission

ENGR& 204
Electric Circuits 5
(TE) Introduction to basic circuit and systems concepts. Development of mathematical models of components including resistors, sources, capacitors, inductors, operational amplifiers and transistors. Solution of first and second order linear differential equations associated with basic circuit forms. Steady state sinusoidal excitation and phasors.

Prerequisites: ENGR 121, AND PHYS& 243 or concurrent enrollment; OR instructor permission

ENGR 205
Electric Circuits Lab 1.5
(NS-L) Laboratory applications of electrical circuits principles and instrumentation. Measurement of transient and steady-state responses of electrical circuits.

Prerequisites: ENGR 204 or concurrent enrollment; or instructor permission

ENGR& 214
Statics 5
(NS) Fundamentals of engineering statics using vector notation in problem solving. Scientific calculator required.

Prerequisites: ENGR 121 or concurrent enrollment AND PHYS& 241 or concurrent enrollment AND ENGL 101 or concurrent enrollment; OR instructor permission

ENGR& 215
Dynamics **5**
(NS) Kinematics and dynamics of particles; systems of particles; and rigid bodies including energy and momentum methods.

Prerequisites: MATH& 152 AND ENGR& 214, both with a grade of C or higher, or instructor permission

ENGR 216
Integrated Computer Aided Design **4**
(NS) Computer Aided Design (CAD) and its applications in engineering design and analysis. Emphasis on advanced features in CAD software and the engineering design process. Topics include fundamentals of surface modeling, combined surface and solid modeling, advanced part/assembly techniques, CAD-based computational structure/flow/motion analysis, and complete documentation for an engineering design. Discussion of recent engineering innovations and their impact on the direction of engineering trends. Applying knowledge, skills and perspectives to real-world engineering practice.

Prerequisites: ENGR& 114 and ENGR& 214, or instructor permission

ENGR 220
Mechanics Breaking Lab **2**
(TE) Mechanical behavior of materials and application to engineering structures. Hands-on experience in various material testing and experimental stress analysis methods. Introduction to engineering data analysis and report writing. Investigate various types of mechanical behavior in response to loading conditions. Topics will include tension, impact, fatigue, and torsion testing, stress wave experimentation, strain gages, and combined stress analysis.

Prerequisites: ENGR& 225 or concurrent enrollment, OR instructor permission

ENGR& 224
Thermodynamics **5**
(NS) Thermodynamic properties of matter. First and second law analysis of engineering systems. Energy interactions, performance and efficiency of engineering devices, power cycles, and refrigeration cycles.

Prerequisites: CHEM& 162 AND MATH& 152 AND PHYS& 241; OR instructor permission

ENGR& 225
Mechanics of Materials **5**
(NS) Introduction to mechanics of solids; stress, strain and their relationships; torsion; and bending.

Prerequisites: MATH& 152 AND ENGR& 214 with grade of C or higher; OR instructor permission

ENGR 240
Applied Numerical Methods **5**
(NS) Numerical solutions to problems in engineering and science using modern scientific computing tools. Application of mathematical judgment in selecting computational algorithms and communicating results. Introduction to MATLAB programming for numerical computation.

Prerequisites: MATH& 163 with grade of C or higher; OR instructor permission

ENGINEERING TECHNOLOGY

See Precision Machining / Manufacturing Technology Engineering

The Engineering Technology program is designed to provide skills and knowledge in a variety of technical design subjects, including computer aided design (CAD) software such as CATIA version 5, Solid Works and AutoCAD. Skills learned in this program are taught using applied methods where training is practical and hands-on.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Solve technical mathematical problems
- Utilize basic engineering graphics with 2D CAD
- Create multi-view drawings using 2D and 3D CAD
- Create assembly drawings from 3D models
- Create complex surfaced part models using 3D CAD
- Design for producability and manufacturing ease
- Document technical activities in written and verbal reports
- Be prepared for successful employment

Faculty Advisors:

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D. Primacio **425-267-0160** **dprimacio@everettcc.edu**

ENG T 100
Introduction to Engineering Graphics and 2D AutoCAD **4**
Theory and application of engineering drawing; sketching and block lettering; geometric construction; representation of normal, inclined oblique, and cylindrical surfaces; standard, section and auxiliary views; dimensioning; and an introduction to designing with a 2D CAD system.

Prerequisites: Placement into MATH 76 or higher AND MFG T 102, or instructor permission

ENG T 101
Introduction to Graphics and Measurement **5**
An introduction to reading and interpreting engineering graphics using technical drawings of mechanical systems for manufacturing technology students with an emphasis on identifying 2D (plane geometrical) shapes. The student will be also use engineering and mechanical scales and precision measuring instruments to measure sizes, lengths and locations of shapes and features. Algebraic, geometric and trigonometric concepts will be applied. Scientific calculator required.

Prerequisites: Placement into MATH 76 or higher AND MFG T 102, or instructor permission

ENG T 102
Technical Problem Analysis **5**
This course is designed to apply basic algebra, geometry and trigonometry to practical problems encountered in technical design and the manufacturing industry. The course includes problems focusing on composites, technical design, welding, precision machining and CNC topics. Students will be introduced to an electronic spreadsheet to perform their calculations.

Prerequisites: ENG T 101 or MATH 76 or placement into MATH 86 or higher

ENG T 103
Introduction to Revit **4**
Introduction to Revit architectural design and documentation software tools and features. The course will explore the Building Information Modeling interface and focus on the basics of building creation, view controls navigation and the settings for controlling graphic properties, constrain the building designs with dimensions and relationships between elements, practice key editing and manipulating tools.

Prerequisites: Placement into MATH 76 or higher AND MFG T 102, or instructor permission

ENG T 104
Mechanical Blueprint Reading **3**
Instruction in interpreting mechanical/manufacturing blueprints per ASME Y14.5. Emphasis on practical applications of this standard as applied to reading, interpreting, and trouble-shooting engineering production drawings.

ENG T 105
Precision, Fits, Tolerancing and GD&T **4**
Theory and application of dimensioning and tolerancing using Solid Works per American Society of Mechanical Engineers (ASME) Y14.5. Use of standard tolerances with a further emphasis on precision fits and geometric dimensioning and tolerancing on engineering production drawings.

Prerequisites: ENG T 108 or ENG T 185 or ENGR& 114 and instructor permission

ENG T 108
Engineering Graphics: 3D CAD **4**
Fundamentals of engineering graphics for preparation of designs and working drawings, using parametric solid modeling software as a design tool. Includes generation of detail and assembly drawings. Freehand sketching used to develop visualization skills and as an instrument for design conceptualization and communication.

Prerequisites: Placement into MATH 76 or higher AND MFG T 102, or instructor permission

ENG T 111
Introduction to Engineering Technical Design **5**
Introduction to CAD software as an innovative tool for engineering technical design, including drafting blueprints and programming 3D printers to create additive material for mechanical and structural parts. Prerequisite may be waived by instructor permission.

Prerequisites: DEVED 96 or TS 96 or CL 101, AND completion or concurrent enrollment in MFG T 100

ENG T 112
Pneumatic, Hydraulic, and Electrical Circuits **5**
Introductory course examining practical applications using pneumatic, hydraulic and electrical components. Basic theories are discussed and typical hardware used in manufacturing is evaluated.

Prerequisites: ENG T 100 or MATH 76 or eligibility for MATH 86 via a MATH assessment; OR instructor permission

ENG T 185
Introduction to CATIA 3D Experience **4**
Introduction to parametric, three-dimensional modeling using CATIA 3D Experience. Focus on how to navigate within this software, how to create three-dimensional solid models using industry best practices, and then how to create and manipulate assemblies made from these parts.

Prerequisites: Eligibility for ENG T 101 or MATH 76 or higher OR completion of, or concurrent enrollment in, MFG T 102

ENG T 188
Aerospace Design CATIA V5 Course I **12**
Introduction to parametric, three-dimensional modeling using CATIA V5. Focus on theory and application of engineering graphics, reading and creating technical drawings; navigating CATIA software, how to create 3-D solids and manipulate assemblies and generating 3-D wireframe and surfaces. Two years of industry design experience recommended.

Prerequisites: Instructor permission

ENG T 189
Aerospace Design with CATIA V5 **12**
Skills in advanced techniques and mastery of the following work benches: sketcher, part design and assembly, surface and surface analysis. Basic to intermediate introduction in the following workbenches; NC programming, sheet metal for aerospace, tubing and wiring.

Prerequisites: ENG T 188; or ENG T 100, ENG T 185, and ENG T 193; and instructor permission

ENG T 193
Intermediate CAD with CATIA 3D Experience **4**
Explores the techniques for using CATIA 3D Experience to produce working level engineering drawings. Detail and assembly drawings are created with attention focused on proper views, text, dimensions, tolerances, bills of material, borders and title blocks. Weldments, flat patterns and other special practices are also examined.

Prerequisites: ENG T 185

ENG T 194
Tool Design and Product Structure **4**
Introduction to tooling design graphics. Create tooling fixtures used to create or assemble engineering parts. Each fixture will be created in the true 3D coordinates as well as proper techniques in the product structure. Focus on team approach to tool engineering design. Creation of tooling fixtures, composite molding fixture, DJ drill jig, CNC mill fixture and locating jigs used to create or assemble engineering parts.

Prerequisites: ENG T 185

ENG T 195
Advanced Surfacing with CATIA 3D Experience **4**
Expands on the knowledge learned in the Introduction to CAD with CATIA 3D Experience course by introducing tools and methodologies found in the Generative Structural Analysis, Free Style, Wireframe and Generative Shape Design Workbench. Students will be able to create and analyze surfaces with complex contours and verify its machinability and stress analysis.

Prerequisites: ENG T 185

ENG T 196
Advanced Workbenches with CATIA 3D Experience **4**
Advanced techniques and mastery of the following CATIA 3D Experience work benches: Knowledgeware, DMU Kinematics, Generative Structural Analysis, Generative Sheet Metal Design, Weld Design and Prismatic Machining. Focus on how to embed knowledge in design by applying formulas, using parameters and relations, motion simulation capabilities, performing first order mechanical analysis for 3D systems, designing sheet metal parts in concurrent engineering between the unfolded or folded part representations, and creating NC programs using 3 and 5 axis techniques dedicated to machining parts designed in 3D wireframe or solids geometry as a typical NC Programming techniques.

Prerequisites: ENG T 185 and instructor permission.

ENG T 203
AutoCAD II - Intermediate **4**
Instruction on the use of AutoCAD tools for efficient creation of engineering drawings. Course includes instruction on the use of layouts and paper space; the creation and effective use of layers; how to use blocks, symbols and X-references to improve drafting productivity; the making of attributes and the means of extracting attribute information for generating of bills of materials and other documentation.

Prerequisites: ENG T 100 AND ENG T 101 or MATH 76, or instructor permission

ENG T 204
Drafting using CAD **4**
Drafting fundamentals and orthographic interpretation necessary to create, manipulate, and understand mechanical and structural drawings. Proper naming conventions and release procedures. Use of engineering and mechanical scales and precision measuring instruments to measure sizes, lengths and locations of shapes and features; creating orthographic views on a detail, assembly and installation drawings. Print drawing and dataset checking as well as drawing revisions using ASME and ANSI standards; release procedures, naming conventions and applying bill of materials.

Prerequisites: ENG T 185 and ENG T 108

ENG T 205
Precision, Fits, Tolerancing with GD&T **5**
Theory and application of dimensioning and tolerancing using CAD per American Society of Mechanical Engineers (ASME) Y14.5 and Y14.41. Use of standard tolerances with a further emphasis on precision fits and Geometric Dimensioning and Tolerance (GD&T) on engineering production drawings as well as applying GD&T with Model Based Definition (MBD) using the CAD three-dimensional graphics environment.

Prerequisites: ENG T 204 or instructor permission

ENG T 213
Applied Statics and Strength of Materials **5**
Study of forces acting on structures at rest; free-body diagrams, trusses, friction and related material, analysis of tension, compression, shear, deformation, torsion, stress, and deflection of members of commonly used materials in construction. Scientific calculator required.

Prerequisites: ENG T 101 or MATH& 141 or instructor permission

ENG T 217
CAD Design Project **4**
CAD Design projects for students in advanced manufacturing and technical design related fields. Students will be required to work individually and as a member of an assigned team to disassemble a precision mechanical assembly and redesign the assembly. Students will develop and document the redesign using a parametric 3D modeler to include a detailed parts list. Precision measuring equipment such as a caliper and micrometer is required for the class.

Prerequisites: ENG T 259 and ENG T 193 or concurrent enrollment, or instructor permission

ENG T 225
Engineering Technology Skills Building 1 **2**
Designed for the student who is seeking to improve skills in engineering technology in order to meet industry standards through additional lab time or who is seeking practice time prior to taking certifications tests. The class may be taken up to two times for credit.

ENG T 226
Engineering Technology Skills Building 2 **2**
Designed for the student who is seeking to improve current engineering technology skills through additional lab time or who is seeking practice time prior to taking certifications tests. The class may be taken up to two times for credit.

ENG T 230
Manufacturing Materials and Processes **3**
Examines materials and processes used in manufacturing. Topics include choice of materials and their properties; various processes for converting material into manufactured parts; and the interrelation between materials and processes, particularly regarding feasibility and cost.

Prerequisites: ENG T 101 or MATH 76

ENG T 259
Engineering Graphics: 3D CAD/CAM **4**
Use of a 3D modeler (Solid Works) is used to prepare flat patterns, weldments, machining drawings, bills of material, and traditional 2D technical drawings. Use of a 3D CAM package (MasterCAM) to prepare code for a 3-axis milling machine.

Prerequisites: ENG T 108 or ENGR& 114 or equivalent, or instructor permission

ENGLISH LANGUAGE ACQUISITION

See Transitional Studies

ENGLISH LANGUAGE AND LITERATURE

The English Department offers courses in composition, creative writing, and literature, as well as tutor training in the Writing Center. College-level composition courses satisfy the Communication Skills requirement of most degree programs. Those in literature, language and creative writing satisfy Humanities and elective requirements.

Initial placement in any composition course is by EvCC-administered assessment test. A grade of C or higher in ENGL& 101 is required for higher level composition courses (102, 103, 105, 211, 230 or 235).

EvCC will grant placement in, or credits for, ENGL& 101 based on scores earned in AP, CLEP, IB and CI examinations. Please refer to the Transfer Credit Policies section of the catalog, or consult with an advisor. An English 101-level course transferred from another college must be validated by Enrollment Services. A placement test taken at another institution may be reviewed by Enrollment Services for possible substitution at EvCC.

Faculty Advisors:

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Composition and Technical Writing

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Develop appropriate content to support claims in expository, persuasive, and critical writing.
- Arrange content in appropriate patterns - spatial, chronological, relational, logical - to develop ideas persuasively.
- Edit to meet readers' expectations for clarity and grammatical correctness.
- Analyze and evaluate the choices writers make to achieve rhetorical and aesthetic purposes.
- Locate appropriate primary and secondary sources efficiently in conducting literary research.
- Quote primary and secondary sources correctly and document research correctly and ethically.
- Understand the use and role of technology in the writing process.

ENGL& 101
English Composition I **5**
(C) Writing clear, unified, coherent, and well-developed essays of increasing complexity with an emphasis on critical thinking skills. Essays may be about literary or nonliterary texts, or they may rely upon such texts as points of departure for discussion. (Specific sections marked with a diversity class attribute fulfill the diversity requirement for associate degrees.)

Prerequisites: ENGL 98 with a grade of C or higher

ENGL& 102
Composition II **5**
(C,TE) Writing single-source and multi-source essays with an emphasis on audience, voice, and current research techniques and documentation. (Specific sections marked with a diversity class attribute fulfill the diversity requirement for associate degrees.)

Prerequisites: Completion of ENGL& 101 with grade of C or higher

ENGL 103
The Critical Paper **5**
(C) Writing critical analyses of culture and the arts, including film, music, art, and popular culture.

Prerequisites: ENGL& 101 with a grade of C or higher

ENGL 104
Academic Writing Plus **2 or 5**
Co-requisite course that directly supports the academic writing goals of ENGL& 101 by addressing the development, drafting, and revision of academic essays, as well as the language, mechanics, grammar, and usage skills necessary for effective written communication for students also enrolled in ENGL& 101. Appropriate for students who have placed into developmental English courses or who have placed into ENGL& 101 but are unsure of their skills or readiness for college-level English. May not be taken as a stand-alone course.

Corequisites: ENGL& 101

Prerequisites: For 2 credit: Placement in ENGL 98 or TS 98 or higher

For 5 credit: Placement into ENGL 97 or TS 97 or higher

ENGL 211
Advanced Composition **2 or 5**
(C) Writing essays. Consideration of style, voice, analytical reading, and critical thinking beyond the ENGL& 101 level.

Prerequisites: ENGL& 101 with grade of C or higher

ENGL& 230
Technical Writing **3**
(C) Writing memorandums, business letters, and technical reports. Includes study of tone, style, unity, audience, and purpose in business and technical communication.

Prerequisites: Completion of ENGL& 101 with a grade of C or higher

ENGL& 235
Technical Writing and Research **5**
(C) Writing memoranda, business letters, and a variety of technical documents such as technical definitions, descriptions, and specifications, proposals, instructions, and analytical reports that incorporate primary and secondary research and visual design elements. Emphasis on the analysis of audiences from lay to expert and rhetorical strategies to satisfy their information needs.

Prerequisites: ENGL& 101 with a grade of C or higher

Creative Writing and Publication

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Creative Skill-building: Students will be able to describe and discuss how the "creative" in creative writing grows out of specific, demonstrable skills and techniques, both traditional and innovative, and not just open-ended, ad hoc, piecemeal attempts at "writing one's feelings."
- Community/Historical/Interdisciplinary awareness: Students will gain an understanding of the history, tradition, and current practices of the writing disciplines, and how they relate to the other arts, both through research and through active participation in local, current literary events.
- Professional Development (AFA): Students will gain practical experience in design and production of literary events and magazines, and familiarity with the editorial process.

ENGL 105
Creative Nonfiction **5**
(C,H) Composition course in which various literary, journalistic and investigative techniques are applied to the writing and revision of experiential, informative and critical essays.

Prerequisites: Completion of ENGL& 101 with a grade of C or higher.

ENGL 106
Poetry I **3 or 5**
(HP) Introduction to the writing, constructive analysis and revision of poetry. Poetic forms and terms will be learned and students will apply instructive critical analysis to both their own and other students' work. Tendencies and potentials will be identified for each student.

ENGL 108
Fiction I **3 or 5**
(HP) Introduction to the writing, constructive analysis and revision of fiction. Fiction terms and techniques will be presented and applied to original student work and constructive analysis of original work will provide practical application.

ENGL 109
Screen and Play Writing I **3 or 5**
(HP) Introduction to the writing, constructive analysis, and revision of original creative works for the visual media. Terminology, essential formats, and basic structural principles will be presented and applied to student work.

ENGL 110
Editing and Publication I **5**
(HP) Introduction to the history and practice of editing for publication in print and digital formats, including magazine and book production. In a practicum setting, students edit and publish literary manuscripts, gaining hands-on experience with the campus literary magazine, Poetry Northwest, and related projects.

Prerequisites: Completion of ENGL 105, 106, 108, or 109; or JOURN 101 with a C or better

ENGL 165
Nonfiction II **3 or 5**
(HP) Intermediate course in techniques of fiction, poetry and drama as applied to nonfiction using constructive criticism. Development of writing, constructive analysis and revision skills in creative nonfiction. Students will apply a wide variety of writing techniques and critical perceptions to subjects of their own selection.

Prerequisites: ENGL 105 or instructor permission

ENGL 166
Poetry II **3 or 5**
(HP) Intermediate course in structural and content analysis as applied to student and professional examples of poetic techniques. Development of writing, constructive analysis and revision skills in poetry. Students are individually encouraged to pursue their own directions and to learn from the variety of student directions observed in the class.

Prerequisites: ENGL 106 or instructor permission

ENGL 168
Fiction II **3 or 5**
(HP) Intermediate development of writing, constructive analysis and revision skills in fiction. Exercises and comparative examples of original creative work will be presented and analyzed with student participation to further critical abilities and applications to student work.

Prerequisites: ENGL 108 or instructor permission

ENGL 169
Screen and Play Writing II **3 or 5**
(HP) Intermediate development of writing, constructive analysis and revision of original creative works for the visual media. Detailed analysis of student effort will provide the basic material for development and application of dramatic and visual principles to original creative screen and/or play writing.

Prerequisites: ENGL 109 or instructor permission

ENGL 205
Nonfiction III **3 or 5**
(HP) Advanced development of writing, constructive analysis and revision skills in creative nonfiction. Advanced techniques of fiction, poetry and drama will be applied to nonfiction and techniques of constructive criticism will be applied to the developing stages of the nonfiction writing. Students will apply a wide variety of writing techniques and critical perceptions to subjects of their own selection.

Prerequisites: ENGL 165 or instructor permission

ENGL 206
Poetry III **3 or 5**
(HP) Advanced development of writing, constructive analysis and revision skills in poetry.

Prerequisites: ENGL 166 or instructor permission

ENGL 208
Fiction III **3 or 5**
(HP) Advanced development of writing, constructive analysis and revision skills in fiction.

Prerequisites: ENGL 168 or instructor permission

ENGL 209
Screen and Play Writing III **3 or 5**
(HP) Advanced development of writing, constructive analysis and revision of creative works for the visual media.

Prerequisites: ENGL 169 or instructor permission

ENGL 210
Editing and Publication II **5**
(HP) Extended practice in editing for publication, using print and digital formats, including magazine and book production. In a practicum setting, students edit and publish literary manuscripts, gaining hands-on experience with the campus literary magazine, Poetry Northwest Editions, and related projects.

Prerequisites: Completion of ENGL 110

Literature and Language

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Ask questions about the meaning and value of human life and experience.
- Analyze how culture, history, and memories are passed on from generation to generation.
- Understand how diverse cultures and people see the world and our place in it, and how diverse cultures and people express themselves.
- Develop multiple perspectives and approaches to a subject through reading and analysis.
- Develop and utilize criteria for understanding excellence of achievement in this subject area
- Demonstrate understanding of the role creativity plays in human experience.

ENGL& 111
Introduction to Literature **5**
(H) Study of literary backgrounds, approaches, types, and techniques as a basis for reading,

understanding, and enjoying literature.

ENGL& 113
Introduction to Poetry **3 or 5**
(H) Study of selected poets and their works designed to increase understanding and appreciation of poetry through reading and analysis.

ENGL 120
Native American Literature **5**
(H,D) Exploration of theme, voice, and meaning through reading, analysis and discussion of selected poetry and prose works by Native American writers. Includes literary, cultural, and social frameworks.

ENGL 135
Introduction to Cultural Studies **5**
(H, D) Introduction to main issues, theories and methods in cultural studies, employing literary methodologies. Specific topics may include communication and mass culture; images and texts concerning contemporary production and consumption; issues of race, gender, class and the social construction of identity; and cultural and historical analysis of visual arts, music, film, literature, myth, ritual, everyday practices, built environments and material culture.

ENGL 171
Special Topics in Language and Literature **3 or 5**
(H,TE) Study of texts which focus on particular aspects of human experience. Specific focus will vary from term to term, but approach remains the same: analytical reading, writing, and discussion. May be repeated for credit with different topics.

Prerequisites: Instructor permission required for some sections

ENGL 173
Science Fiction **5**
(H,TE) Study of science fiction as depicted in novels, short stories, films, TV shows and other media. Exploring and critical thinking about the human experience as presented in these works.

ENGL 175
Introduction to African American Literature and Culture **5**
(H,D) Introductory study of literary works and cultural achievements by African Americans.

ENGL 180
American Working-Class Literature **5**
(H,D) Examination of literary and first-person authored texts written by and about the American working class over the past two hundred years. Readings may include slave songs, folk songs, and narratives, letters from pre-Civil War textile factory workers, works by and about workers in the rapidly expanding industrial sector in post-Civil War and early 20th-century America. Focus on poems, short stories and novels by and about workers, especially by immigrants from eastern and southern Europe and black and white migrants from rural America pouring into rapidly expanding American cities, and texts from our own time by and about service workers and new immigrants from different parts of the world in an increasingly unequal, deindustrializing American society.

ENGL 183
Children's Literature **5**
(H) Introduction to the rich literary tradition of books for children, with wide reading and in-depth analysis to determine a criteria for excellence. Includes the study of illustrations, historical perspectives, multicultural influences, and current trends in picture books, traditional tales, realistic and historical fiction, and modern fantasy. (Specific sections marked with a diversity course attribute fulfill the diversity requirement for associate degrees.)

ENGL 203
Young Adult Literature **5**
(H) Representative adolescent literature; an examination of the qualities that characterize the teen novel and an application of literary standards to them; a brief history of the genre; and a comparison of books from 1960 to the present. (Specific sections marked with a diversity course attribute fulfill the diversity requirement for associate degrees.)

ENGL& 224
Shakespeare I **5**
(H) Reading and analysis of the comedies, history plays, and tragedies selected largely from the first half of Shakespeare's career.

ENGL& 225
Shakespeare II **5**
(H) Reading and analysis of Shakespeare's problem plays, major tragedies, and late romances selected from the latter half of his career.

ENGL 229
Survey of British Literature **5**
(H) The study of representative works from British writers.

ENGL 233
Modern British Literature **5**
(H,TE) Study of the writings of major British writers of the 19th and 20th centuries.

ENGL 240
Introduction to American Literature **5**
(H) Exploration of American literature (fiction, autobiography, poetry, essays and drama), to include classic authors such as Hawthorne, Twain and James while emphasizing diverse themes and the voices of women writers, working-class writers and writers of color. (Specific sections marked with a diversity course attribute fulfill the diversity requirement for associate degrees.)

ENGL& 246
American Literature III **5**
(H) An exploration of American writers, Black, White, Hispanic, Native, Asian, male, and female in American poetry, novels, and short stories beginning with American modernism (approx. 1910-1945), and continuing through the post-modern era. (Specific sections marked with a diversity course attribute fulfill the diversity requirement for associate degrees.)

ENGL 247
Modern Grammar **5**
(H) Principles of modern English, including its sound system, methods of word formation, parts of speech, phrase structure, grammatical relations and complex structures. Not an ESL or developmental course.

Prerequisites: Completion of ENGL& 101 or sophomore standing.

ENGL 251
Myth and Literature of Greece and Rome **5**
(H,TE) Study of major literary works of ancient Greece and Rome.

ENGL 252
Medieval and Renaissance Literature **5**
(H,TE) Study of major works of European literature from the Middle Ages, Renaissance, and Enlightenment (AD800-1800).

ENGL 253
Modern European Literature **5**
(H,TE) Study of major works of European literature from 1800 to the present, including Romanticism, Realism, Modernism, and Postmodernism.

ENGL& 254
World Literature I: Themes **5**
(H,D) Examination of literary and critical texts from a variety of cultures in the United States and/or throughout the world. Reading and analysis of fiction, poetry, drama, non-fiction and/or film texts based on a specific theme or geographical location. Special emphasis on literary and cultural texts and writers often marginalized, under-represented, or ignored in traditional literature courses.

ENGL 263
The Holocaust in Literature **5**
(H,D) Study of the portrayal of the Holocaust in fictional genres. Issues addressed include the institutionalization of intolerance; the adequacy of language in the face of atrocity; the tension between

the expectation of authenticity and the literary imagination; literature's role in liberating the silenced voices of persecuted minorities and the resonance of these voices with contemporary American concerns.

Skill Development

In addition to the Student Core Learning Outcomes, the Program Development Goals include:

- Demonstrate an understanding of the relevance of language and composition in different contexts.
- Engage constructively in the challenges of writing and reading.
- Demonstrate an understanding of the basic conventions of language and composition.

ENGL 90
The Writing Center - Practical Writing **5**
A basic writing and reading course with an instructor and peer tutoring support designed to improve fundamental academic skills in the areas of writing and reading. Emphasizes the development of reading comprehension, sentence structure, grammar, punctuation, and vocabulary. Useful for non-native English speakers and others who need to further language skills in order to prepare for ENGL 92, 97 or 98. May be repeated one time for credit.

Prerequisites: ASSET score of 23-32 or COMPASS score of 0-22.

ENGL 91
Practical Writing for the Workplace **3**
Introduction to basic writing skills for the workplace. Practice letters, memos, and resumes. Review basic grammar and punctuation. Meets general education requirement for vocational certificates.

ENGL 92
Practical Grammar **5**
Thorough introduction to the mechanics of the sentence. Especially useful for native speakers preparing for ENGL 97 and ENGL 98.

Prerequisites: Placement by assessment score on the writing portion of assessment test

ENGL 97
Beginning Grammar and Writing **5**
Writing clear and effective sentences and paragraphs, including parts of speech, sentence function and pattern, and the dynamics of coherent paragraphs. Equivalent to TS 97 and HSC 97. Credit cannot be earned in both ENGL 97 and either TS 97 or HSC 97.

Prerequisites: Placement by assessment score

ENGL 98
Introduction to College Writing **5**
Writing and revising paragraphs and essays of various types, covering the writing process, diction, grammatical structures, paragraph and essay patterns, and rhetorical devices such as parallelism, transition, and analogy. (Specific sections marked ENGL 98D fulfill the diversity requirement for associate degrees.) Equivalent to TS 98 and HSC 98. Credit cannot be earned in both ENGL 98 and either TS 98 or HSC 98.

Prerequisites: Completion of ENGL 97 or ESL 97 or IELP 97 with a grade of C or higher or placement by assessment test score

Tutor Training and Independent Study

ENGL 150
Tutor Training and Practice **1-5**
(TE) Peer tutoring techniques. Learn from supervised tutoring experiences in the Writing Center and from seminar discussions. One credit for 20 tutoring hours and one credit for ten seminars. May be repeated up to five credits.

Prerequisites: Grade of B or better in ENGL& 101 and Writing Center Coordinator's permission

ENGL 151
Tutor Training and Practice **1-5**
(TE) Peer tutoring techniques. Learn from supervised tutoring experiences in the Writing Center and from seminar discussions. One credit for 20 tutoring hours and one credit for ten seminars. May be repeated up to five credits.

Prerequisites: ENGL 150

ENGL 152
Tutor Training and Practice **1-5**
(TE) Peer tutoring techniques. Learn from supervised tutoring experiences in the Writing Center and from seminar discussions. One credit for 20 tutoring hours and one credit for ten seminars. May be repeated up to five credits.

Prerequisites: ENGL 151

ENVIRONMENTAL SCIENCE

Environmental Science courses provide the preparation for environmental science/planning/policy disciplines. These courses satisfy the Natural Science (NS) and Natural Science Lab (NS-L) graduation distribution requirement.

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ENVS& 100
Survey of Environmental Science: Sustaining Our Earth **5**
(NS) Biological and ecological principles and how they pertain to current issues of population growth and control, diminished food supply, water, air and noise pollution, and similar environmental issues. Credit may not be earned in both ENVS& 100 and ENVS& 101.

Prerequisites: Eligibility for ENGL& 101 AND eligibility for MATH 96

ENVS& 101
Introduction to Environmental Science: with Lab **5**
(NS-L) Effects of human population growth on changing ecosystems, energy flow, biological diversity, and sustainability of living resources. Credit may not be earned in both ENVS& 100 and ENVS& 101.

Prerequisites: Eligibility for ENGL& 101 AND eligibility for MATH 96

ENVS 250
Environmental Studies Internship and Seminars **2**
(NS) Students will participate in a minimum of thirty hours of a supervised internship which will require integration of knowledge of biological and environmental concepts with environmental economics and an eco-justice perspective.

Prerequisites: ENVS& 100 or ENVS& 101 or NAT S 103 with grade of C or higher or instructor permission

FABRICATION

See Welding and Fabrication

FILM/CINEMA

Also see Philosophy 150, Psychology 150 or Sociology 150.

FILM 100
Introduction to Film **5**
(H) Critical survey of form, style and content of American and international film. Narrative and non-narrative forms. Design, cinematography, editing and sound as elements of style. Cultural content of film.

FILM 102
International Film **5**
(H) Critical survey of process (production, distribution, exhibition), style, and content of American and international film from earliest technology in the U.S. and Europe to emerging film industries around the globe. Narrative forms, emphasizing development of emerging nations, relationships between

cinematic and national ideologies. Cultural content of film, emphasizing perspectives of diverse populations and development nations.

FIRE SCIENCE

Everett Community College's fire science program is designed to help prospective firefighters learn and develop introductory firefighting and emergency response skills. Fire Academy classes are designed to prepare students for the demands of national and state certification testing.

Everett Community College's Fire Science Program offer career certifications and an Associate in Applied Science Degree.

Fire Science courses provide preparation for fire service careers and career advancement. This is accomplished through knowledge, experience and training which will allow for proficiency in the performance of your career.

For more information about this program send an e-mail to firescience@everettcc.edu.

In additional to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Recognize how fire history, traditions, terminology and organization for the foundation of today's fire service.
- Describe the components of a fire service career.
- Demonstrate a public education and fire prevention teaching model.
- Identify and explain fire codes and how they are enforced.

FIRE 100 Firefighter Academy 22.5

Basic fire fighting skills includes orientation and safety, fundamentals of fire behavior, building construction, personal protective equipment, department communication, extinguishers, water supply, fire hose, ropes and knots, ground ladders, fire control, ventilation, rescue and extrication, loss control, fire detection, alarms and suppression systems, hazardous materials, first aid, and fire prevention/public education. Three class sessions will be held at the North Bend Fire Academy. Live fire experience will be included. Meets NFPA 1001. Successful students will be qualified to sit for the state Fire Fighter I, Firefighter II, and Hazardous Materials Operations written and practical exams. For entry into the Fire Academy complete the National Testing Network Ergometrics exam with a passing score of 75, pass the Candidate Physical Ability Test. Complete the course application and attend a mandatory orientation.

Prerequisites: Instructor permission

FIRE 101
Introduction to Fire Science 5

Intended to familiarize new firefighters or persons who are interested in the field of fire protection with the basics of the fire service, including the history, traditions, terminology, organization, and the basic operations of modern fire departments.

Prerequisites: Eligibility for ENGL& 101

FIRE 102
Introduction to the Fire Service 5

Acquaints students with the history, traditions, terminology, and organization of the fire service. Describes the fire service as a career; explains fire service organizations; and covers fire department organization, equipment and facilities; physical fitness and health considerations. Also provides an introduction to accountability and the Incident Management System (IMS). Meets the requirements for NFPA 1001, NFPA 1500.

FIRE 103
Engine Company Basic Operations 3

Covers fire flow testing, relay and shuttle operations, and water supply management, size and carrying capacity of mains, hydrant specifications, maintenance procedures, relevant maps and recordkeeping procedures. Explains the characteristics of fire and water, describes the types of water streams and nozzles, and covers the procedures for developing streams. Overview of pumper, tankers, brush apparatus and aerial apparatus. Details the basic methods of handling hose, including large diameter hose; hose and coupling construction and maintenance; fire behavior procedures. NFPA 1001, NFPA 1002.

FIRE 104
Fire Department Community Relations 3

Provides development of communication skills in assigning instruction, orders, and information. Promotes customer service and shows how it is intertwined with fire prevention and public education. Meets the requirements for NFPA 1035.

FIRE 106
Fundamental Ladder Company Operations 3

Fundamentals of a ladder company operation, including handling and maintaining various types of ground ladders and factors affecting ladder placement; introduction to different methods and systematic ways of ventilating buildings with heated air, smoke, and gases; rope applications, including hauling tools, accomplishing rescues from areas of different elevations, stabilizing vehicles, and cordoning off areas; forcible entry; special rescues; salvage and overhaul; and vehicle operation. Meets the requirements for NFPA 1001, NFPA 1002.

Prerequisites: FIRE 102 or instructor permission

FIRE 110
Fire Suppression Systems 3

Concepts and standards of fire protection systems including: fire detection devices, alarms, and sprinkler systems, and fire codes and how they are enforced. This course meets the National Fire Protection Association (NFPA 1001) Standards for Professional Firefighter Qualifications, (NFPA 1002) Standard for Fire Apparatus Driver/Operator Professional Qualifications, (NFPA 1031) Standard for Professional Qualifications for Fire Inspector and Plan Examiner.

Prerequisites: FIRE 101 or concurrent enrollment, or instructor permission

FIRE 120
Pump Operations/Hydraulics 5

Hydraulic laws and formulas, pump design, practical operation of pumps, pump operation theory, methods for testing, inspecting and maintaining fire pump installations. Addresses the driver/operator's manual on operating fire pumps and pumping apparatus.

Prerequisites: Minimum Grade of C in MATH& 107 or higher or eligibility for MATH course higher than MATH& 107 and FIRE 101 or concurrent enrollment; or instructor permission

FIRE 122
Fire Company Strategy & Tactics I 3

In-depth course in the Incident Management System and how it is used on the fire ground including first-in company tactics. Meets the requirements for National Fire Protection Agency (NFPA) 1026.

Prerequisites: FIRE 102 or instructor permission

FIRE 124
Hazardous Materials Awareness/Operations 5

Awareness and operations level study of explosive, toxic, and hazardous materials with emphasis on intelligently handling fire situations. Students will learn to recognize and identify hazardous materials through introduction to systematic classification of relationships between groups of materials with similar characteristics, showing how and where they are used. Students will learn to evaluate shipping documentation for dangerous materials identification, and learn where assistance can be found for hazardous materials emergencies. Meets the requirements for National Fire Protection Agency (NFPA) 472.

Prerequisites: FIRE 102 or instructor permission

FIRE 200
Fire Company Strategy & Tactics 5

Officer level training in multi-level planning, implementing, and evaluating basic and advanced fire tactics. Meets the requirements for NFPA 1021.

Prerequisites: FIRE 101 or concurrent enrollment, or instructor permission

FIRE 202
Fire Investigations 3

Overview of the methods used to determine fire origin, fire causes, fire spread, and fire behavior. Recognition of accidental and incendiary fires, securing and preserving evidence of suspected arson, witness interrogation methods. Meets the requirements for National Fire Protection Agency (NFPA) 1033.

Prerequisites: FIRE 101 or concurrent enrollment, or instructor permission

FIRE 203
Building Construction for Fire Protection 5

Course covers the basic building construction and design necessary for providing proper fire protection

features; emphasizes types of construction materials used, flame spread, fire restiveness, and fire retardant qualities for certain types of occupancy and building use. Meets the requirements for NFPA 220.

Prerequisites: FIRE 101 or concurrent enrollment, or instructor permission

FIRE 205
Fire Department Company Officer **5**
Introduction to government and fire department structure, roles, responsibilities and legal liability of the first line supervisor. Also covers concepts of leaders and supervision, public education, labor relations, budgeting, communications, fire prevention, fire suppression, and fire fighter safety. Meets the requirements for NFPA 1021.

Prerequisites: FIRE 101 or concurrent enrollment, or instructor permission

FIRE 230
Fire Personnel Supervision I **1.5**
First of four levels of training for the company officer to provide basic leadership skills and the tools needed to perform effectively in the fire service environment. Strategies for company success. Techniques and approaches to problem solving, ways to identify and assess the needs of the company officer's subordinates, methods for running meetings effectively in the fire service environment, and decision-making skills for the company officer.

Prerequisites: Instructor permission

FIRE 240
Instructor I Certification **3**
Prepares candidates to demonstrate the knowledge and ability to conduct instruction from prepared materials. Covers characteristics of good instruction, role of the instructor in the fire service, summary of psychology of learning, procedures for planning and presenting instruction, evaluation, and testing techniques. Includes instructional planning, development, methods, techniques, materials, aids, and evaluation/testing. Meets NFPA Standard 1041.

Prerequisites: Instructor permission

FIRE 246
Fire Codes and Inspections **4**
A comprehensive intensive study of the International Fire Codes residential and commercial. Preparation to complete the International Code Council "Fire Inspector I and II, and Certified Fire Inspector" examinations.

Prerequisites: Instructor permission

FIRE 249
Wildland Firefighting **2.5**
Training in basic wildland fire fighting through DNR standards. Includes the effects of fuel, weather and topography on wildland fire behavior; wildland water supply; initial fire ground command; fire suppression methods; wildland/urban interface; and fire protection planning. Successful completion makes participants eligible for Red Card upon employment with a qualifying agency. NFPA 1051.

Prerequisites: Instructor permission

FIRE 260
Firefighter II and Hazardous Materials Operations Preparation **1**
Successful students will be qualified to take the International Fire Service Accreditation Congress (IFSAC) Firefighter II, and Hazardous Materials Operations written and practical exams, National Fire Protection Association (NFPA 1001) and (NFPA 472).

Corequisites: Firefighter I, Haz-Mat Awareness certification

Prerequisites: Instructor Permission

FSM 218
Fire Officer I **9**
The crucial building blocks in developing the proper mindset for the fire officer and how this perspective influences his/her operational effectiveness as an emergency services supervisor. The importance of the first-line supervisor being a personal team developer for tasks and challenges that relate to organizational enhancement. In addition to being responsible for suppression operations on the fire ground, the fire officer also plays a key role in the fire cause determination process, evidence preservation, and fire scene security.

Prerequisites: Must have Firefighter I & II, Haz-Mat Ops and Instructor I certification

FSM 220
Fire Officer II **8**
Overview of governmental regulations as they relate to a fire service organization and the legal framework under which a fire company operates. Tactical decisions are generally based on preplanned information derived from inspections, hazard identification, and knowledge of building construction features focus attention on the life safety problems that officers and firefighters will encounter.

Prerequisites: Fire Officer I certificate

FOREIGN LANGUAGES AND LITERATURE

See World Languages

FRENCH

See World Languages

Don't see the language you're looking for? Please visit our EverettCC.edu/World Languages for a list of language courses offered at Everett Community College.

GED PREPARATION

See Transitional Studies

GEOGRAPHY

Geography is an interdisciplinary science that focuses on human and physical processes, and the interaction of these processes. There are currently two geography classes that focus on diversity and culture. Geography classes will transfer to four-year schools, and directly prepare students for careers in planning, marketing, communications, and education. A background in geography also creates better global citizens and educates students on most contemporary issues facing the world and local regions today.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Demonstrate knowledge of a range of facts, terminology, events, and/or methods that social scientists in various disciplines must possess in order to investigate, analyze or give a history of, or predict human, group, or societal behavior.
- Demonstrate the ability to apply classifications, principles, generalizations, theories, models, and/or structures pertinent to social scientific efforts to organize conceptual knowledge in various fields.
- Demonstrate the ability to reach conclusions/make arguments across a range of social science topics that are tied to a defensible sifting of appropriate evidence relative to the questions involved.
- Demonstrate an understanding and recognition of the diversity of perspectives, cultural understandings, and ways of thinking that others bring to bear on social science questions.

Faculty Advisor:
K. Lyste **425-388-9381** **klyste@everettcc.edu**

GEOG 101
Introduction to Geography **5**
(SS,TE) General introduction to the physical and cultural processes and features of different world regions. Study of various regions in terms of physical and cultural elements to demonstrate contrasting uses of the physical environment around the world.

GEOG 102

World Regional Geography **5**
(SS, D) Globalization and diversity of the major geographical regions of the world. A study of cultural coherence and diversity, population and settlement, geopolitical framework, environmental geography, and economic and social development of each region. Major regions of study include former Soviet Union, Europe, Asia (east, southeast, south and southwest), Africa, North and South America.

GEOG 200
Economic Geography **5**
(SS,TE) Survey of the distribution of industrial, agricultural, resource extraction, and consumption activities of the world. A study of the local, national, and international economic relationships and spatial organization of such.

GEOG 201
Cultural Geography **5**
(SS,D) Study of the interrelationship between cultural or human factors and physical environment in different world regions; research of such cultural factors as religion, language, political systems, economic activity, human migrations, settlement patterns, population factors, and present environmental concerns.

GEOG 205
Physical Geography **5**
(NS-L) A comprehensive study of all systems that comprise physical geography. Survey of physical features of the natural environment and their control, formation, and distribution, including: atmosphere and climate, water bodies, soils, vegetation, the earth's composition, and landforms. Course will utilize a broad variety of computer and geographic skills in interpreting physical geography with spatial analysis, cartography, remote sensing, global positioning systems, and geographic information systems. Students will be exposed to a wide variety of geographic projects and design through lab assignments. Students will conduct primary research studying saltwater and freshwater environments on field trips across the Puget Sound from the Lower Elwha River to Orcas Island (sites vary by quarter). Computer Literacy 101 is recommended.

GEOG 220
Geography of Asia **5**
(SS,TE) Geographical study of the Asian nations, excluding Russia. Regions studied include Southwest Asia (Middle East), South Asia, Southeast Asia, Central Asia, and East Asia. Physical and cultural environments and inter-Asian relations are studied.

GEOG 230
Political Geography **5**
(SS,TE) Introduction to the study of politics and physical territory as they affect the geographic environment. A spatial analysis of the present geopolitical phenomena worldwide; including the emergence of new nation-states, international organizations, and nation-state alliances in the United Nations.

GEOG 240
Geography of the Pacific Northwest **5**
(SS,TE) Survey of the physical and cultural features of the Pacific Northwest (particularly Oregon and Washington). The physical features include the geological development, landforms, climate, natural vegetation, soils, water bodies, and geographical location. The cultural features include history, population patterns, economic patterns, and the contemporary environment.

GEOLOGY

Geology courses involve studying the origin, composition, structure, and shape of Earth's surface and internal features. Most geology courses satisfy the Natural Science Lab (NS-L) graduation distribution requirement.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Apply quantitative analysis to solve problems: by solving problems through the use of algebra, analyzing and predicting outcomes from graphical data, and converting between scientific units.
- Apply the scientific method: by forming hypothesis based upon observations, design and implement simple experiments, and draw reasonable conclusions.
- Critically evaluate the science related content: by interpreting data from graphs and tables.
- Effectively communicate scientific processes: by writing laboratory reports that includes data in tabular and graphical format, and summarizing results to explain the phenomena studied.

Faculty Advisor:
S. Grupp **425-388-9450** **sgrupp@everettcc.edu**

GEOL 102
Introduction to Geological Science I **5**
(NS-L) Introduction to geologic processes, emphasizing composition and structure of Earth. The dynamic nature of Earth's crust, mantle, and core. The forces that have shaped Earth: earthquakes, volcanoes, plate tectonics and mountain building. Laboratory projects stress hands-on experiments and field experiences.

Prerequisites: Eligibility for ENGL& 101 AND MATH 76 or MATH 080 or eligibility for MATH 86 via a math assessment

GEOL& 103
Historical Geology **5**
(NS-L) Introduction to the geologic history of Earth, emphasizing North America and the Pacific Northwest. Topics include plate tectonics, colliding and rifting of the continents, reconstruction of past environments, and the origin and evolution of life. Laboratory projects stress hands-on experiments and field experiences.

Prerequisites: Eligibility for ENGL& 101 AND MATH 76 or MATH 080 or eligibility for MATH 86 via a math assessment

GEOL 104
Introduction to Geological Science II **5**
(NS-L) Introduction to the dynamic geologic processes responsible for shaping Earth's surface. Emphasis on the forces that shape Earth's surficial features: rivers, glaciers, groundwater, oceans, and deserts. How humans interact with Earth: geologic hazards, environmental geology and resource management. Laboratory projects stress hands-on experiments and field experiences.

Prerequisites: Eligibility for ENGL& 101 AND MATH 76 or MATH 080 or eligibility for MATH 86 via a math assessment

GEOL 105
Dinosaurs and Extinctions **5**
(NS) The Era of Dinosaur evolution and extinction. Emphasizes observation and interpretation techniques used to infer past geological conditions and events. Topics include fossilization, evolution, geologic time, extinction hypotheses, and dinosaur classification and anatomy.

Prerequisites: Eligibility for ENGL& 101 AND MATH 76 or MATH 080 or eligibility for MATH 86 via a math assessment

GEOL 106
Survey of Earth Science **5**
(NS-L) Study of Earth as a diverse system of interrelated processes. The origin and nature of Earth's surface, interior, oceans, atmosphere, and surrounding space. Emphasis on the interactions between humans and Earth. Laboratory projects stress hands-on experiments and field experiences.

Prerequisites: Eligibility for ENGL& 101 AND MATH 76 or MATH 080 or eligibility for MATH 86 via a math assessment

GEOL 107
Earth Science for Everybody **5**
(NS-L) Hands-on exploration of the Earth and processes that shape its landscape. For non-science majors. Highly recommended for elementary education majors.

Prerequisites: Eligibility for ENGL& 101 AND MATH 76 or MATH 080 or eligibility for MATH 86 via a math assessment

GEOL 108
Geological Natural Disasters - Living with the Earth **5**
(NS-L) The underlying geologic processes that cause natural hazards and disasters such as earthquakes, volcanic eruptions, tsunami, floods, and landslides. How humans evaluate and confront the dangers

posed by these natural processes. Monitoring, predicting, and mitigating natural hazards and impending disasters.

Prerequisites: MATH 76 (or equivalent) or eligibility for MATH 86 or higher, and ENGL 98 or eligibility for ENGL& 101.

GEOL& 110
Environmental Geology **5**
(NS-L) Exploration of the relationships and interactions between humans and Earth. Survey and evaluation of Earth's hazardous processes, such as earthquakes, volcanoes, floods, and landslides. The origin and nature of Earth's geologic resources. The environmental implications of extracting and using Earth's resources. Laboratory projects stress hands-on experiments and field experiences.

Prerequisites: Eligibility for ENGL& 101 AND MATH 76 or MATH 080 or eligibility for MATH 86 via a math assessment

GEOL 190
Regional Geoscience Field Exploration **1-5**
(NS-L) Field trips to localities of geologic interest in the western United States. Emphasis on use of geologic principles to interpret field evidence found in landscapes and rocks. May be repeated two times for credit.

Prerequisites: ENGL 98 or equivalent

GEOL& 208
Geology of the Pacific NW **5**
(NS-L) Geologic history of Washington, Oregon and Idaho. Emphasis on use of geologic principles to interpret field evidence found in landscapes and rocks. Weekly field trips to local areas of geologic interest. Optional weekend field trips.

Prerequisites: Eligibility for ENGL& 101 AND MATH 76 or MATH 080 or eligibility for MATH 86 via a math assessment

GEOSCIENCE

See Geology

GERMAN

See World Languages

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GLOBAL STUDIES

Global education provides for the study of international issues within a multidisciplinary framework. An education that focuses on the interdependence of communities fuels your ability to contribute to important decision-making processes.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Students learn how to collect information from different types of written sources.
- Students present a synthesis of the data they collect in the form of written and/or oral presentations.
- Students incorporate a cultural relativistic perspective into all course work.
- Students demonstrate how the biocultural model is integral to understanding global issues from a holistic perspective.
- Students analyze the human condition, both in a historical context and from the stance as a global citizen.
- Students demonstrate how social science theories inform our understanding of global issues.
- Students analyze social institutions that affect global issues, from interdisciplinary perspectives.

Faculty Advisor:
E. Dinter **425-388-9465** **edinter@everettcc.edu**

GS 101
Introduction to Global Studies **5**
(SS, D) Introduction to contemporary global issues, drawing on the integrated knowledge and methodologies of multiple disciplines. Topics include population growth, food and water insecurities, environmental impacts, patterns of consumption, the fate of indigenous peoples, global health, and civic activism. Writing assignments represent a significant component of coursework.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101

GS 102
Survey of the United States in a Global Context **2**
(H, SS) This course presents an introduction to the core values of the United States political, economic and social/cultural system. The survey will follow a transnational approach, reflecting upon the United States through a global context: what impact the world has on the United States and what impact the historical transformation of the United States into a super power had on the rest of the world. This course assists international students to gain a better understanding of the forces that have altered the USA and consequently have shaped many regions of the world.

Prerequisites: Eligibility for ENGL 97, ESL 97 or IEP 97 or higher

GS 103
Survey of United States Citizenship in a Global Discourse **3**
(H, SS) This course strengthens the understanding of the United States core values by looking in depth at primary source texts relating to the United States' government, Constitution, Bill of Rights and citizenship. This course explores how US citizenship compares to Global citizenship and what rights, duties and responsibilities are inherent to citizenship. Students will debate and analyze the United States political, economic and social/cultural system. This course assists international students to gain a better understanding of the forces that have altered the USA and shaped the world.

Prerequisites: Eligibility for ENGL 98 or higher, and completion of GS 102 with a grade of C or higher

GS 105
Global Issues Through Film **5**
(H, D) Examination of contemporary global issues, drawing on films beyond the Hollywood perspective. Topics include the global economy and capitalism, scarcity and distribution of natural resources, global health issues, natural disasters and their effects, and religious/ethnic oppression and conflicts. Films and readings focus on and mostly originate from local and/or native perspectives around the world. Writing assignments represent a significant component of coursework.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101

GS 185
Introduction to Latin America **5**
(H, D) Introduction to the cultures and societies of Latin America, including selected countries' arts, customs, languages, literature, film, music, peoples and traditions.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101

GS 186
Pacific Island Cultures **5**
(SS, D) Students explore the cultures of the Pacific Islands (also called Oceania). Examines the social issues that impact these island countries in Melanesia, Polynesia, and Micronesia, including struggles for cultural survival, environmental degradation, the effects of tourism, and migration of populations. Writing assignments represent a significant component of coursework.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101

GS 187
Introduction to the Middle East **5**
(SS, H, D) With the increased involvement of America in Middle East regions and inflowing groups of diverse immigrants to this country, we are being exposed to Middle East cultures through ethnic

diversity, politics, media, business, management, and especially academia. This course is an introduction and survey of Middle East cultures. Covers major issues such as history, religion, women's rights, language, and politics.

Prerequisites: Completion of ENGL 98, ESL 98 or IELP 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission

GS 188
Introduction to China **5**
(D,H,SS) Introduction to the people, places, events and issues shaping the People's Republic of China today, and the future direction of America-China relations. Students will discover the history of the PRC as it relates to their own history, explore the meaning of civilization and discover their opportunities for personal application in a global society. Political, economic and social vectors which influence the PRC and how those same forces impact students' lives. Students will interact with leaders in America-China relations in Snohomish County, Washington State and the nation.

Prerequisites: Eligibility for ENGL& 101 or instructor permission

GS 281
Introduction to Indonesia **5**
(H, SS, D) A multi-disciplinary analysis of modern Indonesia. Topics introduced include consequences of European colonialism, environmental and social impacts of industrialization, cultural plurality, socioeconomic indicators, population growth, patterns of consumption, indigenous rights, medical pluralism, and civic activism. In part, these topics will be explored using examples of Indonesian customs, traditions, art, economics, education, history, health care systems, language, literature, music, and political institutions.

Prerequisites: Placement into ENGL& 101

GRAPHICS AND WEB DESIGN

Graphics and Web Design courses emphasize the communication of ideas through the use of image and typography. Students may pursue a certificate or an Associate in Technical Arts degree. Industry-standard software is used in all courses.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Critique work, verbally and in writing, using the foundational language of the visual arts.
- Describe and interpret, verbally and in writing, their own and other's work in the chosen program of study.
- Demonstrate proficiency in the use of tools, techniques, and processes relevant to the chosen program of study.
- Create and select a body of work that demonstrates proficiency in the skills and personal creativity within the chosen program of study.
- Integrate knowledge of the chosen program of study with understanding of the social, historical and aesthetic context of artistic work.
- Describe educational and/or professional opportunities and objectives in the chosen program of study.

Faculty Advisor:

L. Berkley	**425-388-9318**	**lberkley@everettcc.edu**
N. Jones	**425-388-9366**	**njones@everettcc.edu**
R. Lake	**425-388-9174**	**rlake@everettcc.edu**
C. Larson	**425-388-9439**	**chlarson@everettcc.edu**
T. Lee	**425-388-9442**	**tlee@everettcc.edu**

GRAPH 110
Digital Design Tools and Visual Communication **5**
Fundamental skills in digital technology and effective application of visual design. Introduction to visual communication and problem solving experience in the ideation, research, execution and presentation of projects. Recognition of cultural implications of digital creation, appropriation, and distribution. Required course for Graphics ATAs and Studio Art or Photography AFAs. Course part of specialized articulation with WSU Everett's Integrated Strategic Communication program.

GRAPH 113
Graphic Design and Typography **5**
Study of design concepts introducing formal compositional issues, including layout design with typography. Focuses on letter-form as image and the relationship between visual and verbal language. Type terminology, technical hierarchy and scale are addressed.

Prerequisites: GRAPH 172 or instructor permission

GRAPH 115
Infographic Design **5**
Create symbols, icons, maps, charts, diagrams, interactive and motion graphics that blend typography, audio and graphic design. Emphasis is on informative graphics that can be shared in print and across Internet and media platforms.

Prerequisites: GRAPH 172 or instructor permission

GRAPH 118
Graphic Design Process **5**
Introduction to a three-step creative problem solving process to explore the development of new ideas in graphic design. Exploring design problems (Inquire), developing ideas (Ideate) and producing graphical products (Implement.) Creation of visual tools to track the creative process from idea through construction and then to post-production analysis using discussions, critiques, course exercises, and visual logs.

Prerequisites: GRAPH 172 or instructor permission

GRAPH 120
History of Graphic Design **5**
(TE) History of graphic design from late 19th century to present day. Discusses the structure and content of graphic design including the divisions between typography, design, visual identity, and publishing over history. Introduction to the relationship of modernist design, manufacturing, technology, and social change. Includes analysis of the Bauhaus, rise of International Style and effect of war and political change and the postmodern movement of the '80s. Discussion of the impact of graphic design software facing designers today.

GRAPH 130
Coding for Web Design **5**
Beginning course in web page construction. Students develop skill in the use of HTML coding to structure a page and the use of CSS to style the page.

Prerequisites: GRAPH 172 or instructor permission

GRAPH 172
Visual Digital Tools **5**
Fundamental skills in digital applications of digital technology used in visual arts including creation, manipulation and editing. Development of skills in asset management, workflow techniques, digital documentation and presentation. Recognition of cultural implications of digital creation, appropriation, and distribution. Required course for Graphics, Studio Art or Photography Majors.

GRAPH 201
Advertising Design **5**
Fundamentals of advertising design, the breakdown of roles within an advertising agency, and the function of the advertising designer relative to this hierarchy. Emphasis placed on accurate communication of the advertiser's message through development of concepts, words and visuals that reflect strategy, positioning and brand personality.

Prerequisites: GRAPH 231 with a C or higher or concurrently with GRAPH 231 or instructor permission

GRAPH 213
Brand Identity Design **5**
Create two identity systems: one for a traditional company and one for a socially constructive campaign. While a traditional identity system is defined as a logo and a set of rules for that logo's application, the goal of this class is to expand upon the ways a brand identity can be expressed through the manipulation of language, materials, and audience expectation/participation.

Prerequisites: GRAPH 231 with a C or higher or instructor permission

GRAPH 231
Advanced Typography **5**

Advanced typography skills including the history and foundation of letterforms. Emphasis on the placement of display and type in a formatted space and the relationships between the appearance and readability of letterforms. Students work in a traditional context of hand rendering type and are introduced to contemporary technology setting type in page layout software.

Prerequisites: GRAPH 113 with a grade of C or higher or instructor permission

GRAPH 240
Graphic Design For The Web **5**
Principles of graphic design as applied to website design. Use of tools necessary to create websites that are strategic, interactive, energetic and visually imaginative. This course covers the latest methods of website design, development, and production including standards-based HTML, CSS, and media integration. Students will learn the most current techniques for planning, designing, building and testing a fully functional website from start to finish.

Prerequisites: GRAPH 130 or concurrent enrollment in GRAPH 130, or instructor permission

GRAPH 242
Content Management Systems **5**
Installation, customization, and management of a content management system website. Covers working with CSS, integrating media queries, incorporating screen optimized graphics, vital plugins for site enhancements, and search engine optimization.

Prerequisites: GRAPH 240 with a C or higher or instructor permission

GRAPH 252
Booklab **5**
An examination of the form and design of the printed book, the book cover and eBooks. The primary project is the annual publication of Vibrations Magazine. This course will examine the environment surrounding books and reading - the bookshelf, the library, the bookstore, and the Internet.

Prerequisites: GRAPH 231 with a C or higher or instructor permission

GRAPH 271
Dynamic Media Design **5**
Fundamentals of creating interactive prototypes through directed exercises using applications and the open source language processing. Applications include developing interactive graphics, mock-ups and rapid prototypes that address multiple users in a variety of scenarios.

Prerequisites: GRAPH 115 with a C or higher or instructor permission

GRAPH 292
Business Practices For Graphic Design **2**
An in-depth study of the business aspects of the graphic design profession. Common design problems are emphasized, including pricing, estimates, invoices, client relations and professional business conduct. Class uses lectures, demonstrations, research and studio work.

Prerequisites: Instructor permission

GRAPH 297
Poetry Northwest Graphic Arts Internship **2-5**
Supervised professional work experience as an intern for Poetry Northwest, a literary magazine with international distribution. Students gain practical experience in all aspects of layout and production of a print magazine and development of eReader and interactive web versions. Must have completed most of the required coursework for a graphics degree. Performance will be evaluated by the graphics instructor in conjunction with the editor of Poetry Northwest.

Prerequisites: Instructor permission

HEALTH SCIENCES

See Emergency Services

Health Sciences program offerings include certificate and degree options in Medical Assisting, as well as certificates in Phlebotomy Technician, Healthcare Risk Management and Medical Spanish Interpreter. Additionally, a range of Health Science courses are offered for general interest and/or prerequisites for Nursing, Physical Therapy Assistant, Radiology Technology and other health care professions.

Contact: Health Sciences Office - 425-388-9461

Faculty Advisors:

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Medical Assisting

The Everett Community College Medical Assisting Certificate program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Medical Assisting Education Review Board (MAERB). Commission on Accreditation of Allied Health Education Programs (1361 Park Street, Clearwater, FL 33756, 727/210-2350).

This program offers a path to a nationally accredited certificate to students who prepare as a multi-skilled professional working under the supervision of a physician or other licensed health care provider. As defined by Washington State Law, a medical assistant is an unlicensed person who assists a licensed health care practitioner in providing health care to patients. Upon completion of the program, the student is eligible to write for the national certification examination. Students earn a Certificate in Medical Assisting and have the option to earn an Associate in Technical Arts (ATA) degree or the Associate in Applied Science - Transfer (AAS-T).

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- To prepare competent entry-level medical assistants in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains
- To prepare students to perform within the ethical and legal boundaries of the Medical Assistant's scope of practice
- To prepare students to integrate and value the needs of the individual patient, within his/her family, culture, society and health circumstances
- To prepare students to display professionalism and cultural sensitivity while interacting and communicating with providers, staff and patients
- To prepare students to participate as team players within the various settings of health care delivery
- To prepare students to maintain currency within their field through continuing education
- To prepare students to integrate and promote the Certified Medical Assistant credential

Program length: Certificate - 85 credits, ATA - 90 credits, AAS-T - 110 credits

See Health Sciences course listings.

Medical Interpreter - Spanish

EvCC's Health Sciences Department offers a ten-credit series in Medical Interpreting for Spanish focused on the linguistic skills required of medical interpreters to successfully perform their interpreting duties in a medical setting. Native-like fluency in both languages is required. A department certificate will be awarded following successful completion of the coursework. See HLTH 100 and HLTH 160.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Communicate effectively: Students will develop the organizational and research skills necessary to write and speak effectively. The students will demonstrate awareness of different audiences, styles, and approaches to oral and written communication.
- Participate in diverse environments: Students incorporate a cultural relativistic perspective in all coursework.
- Act as an effective member of the health care team: Students will develop a fundamental skill set necessary for effective and timely communication and collaboration amongst members of the health care team. Students will be provided with simulated clinical experiences, homework assignments, projects, role play scenarios, and testing situations.

- Act as an effective provider of care: Students will be able to integrate course concepts in the care of their patients, implement care plan directives from their physician-employer, as well as accurately communicate amongst healthcare team members. Students will be provided with simulated clinical experiences, homework assignments, projects, role play scenarios, and testing situations.

Phlebotomy Technician

This 10-credit course provides students with the phlebotomy skills necessary to work in the healthcare field as Phlebotomy Technicians. Upon successful completion of didactic and clinical externship training, the successful student is eligible to sit for the national certification exam for Phlebotomy (PBT) sponsored by the American Society for Clinical Pathologists (ASCP). Program prerequisites include English 98 or 101&, Health 100 and Health 102.
See HLTH 220.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- To prepare competent entry-level phlebotomy technician in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domain.
- To prepare students to perform within the ethical and legal boundaries of the phlebotomy technician's scope of practice.
- To prepare students to integrate and value the needs of the individual patient, within his/her family, culture, society and health circumstances.
- To prepare students to display professionalism and cultural sensitivity while interacting and communicating with providers, staff and patients.
- To prepare student to participate as team players within the various settings of health care delivery.
- To prepare students to maintain currency within their field through continuing education.
- To prepare students to integrate and promote the Phlebotomy Technician, PBT(ASCP) credential.

HLTH 80
HIV/AIDS Training **.7**
Satisfies the mandatory seven-hour HIV/AIDS educational requirement of the State of Washington for health care professionals. Topics include transmission, disease process, and current treatment options for HIV/AIDS. Testing and counseling guidelines and requirements are also discussed. Additionally, legal, ethical and psychosocial issues are addressed.

HLTH 100
Medical Terminology **5**
Study of medical terminology, relating terms to the anatomy and physiology of the body. For students working toward proficiency in medical language as well as for students entering health occupations, such as medical assistants, medical transcriptionists, receptionists, administrative support, and billing specialists.

Prerequisites: Eligibility for ENGL& 101

HLTH 101
Fundamentals of Medical Terminology **3**
Study of medical terminology, relating to terms to the anatomy and physiology of the body and its systems. This course is designed for the student interested in health sciences professions and the language associated with those professions.

Prerequisites: Eligibility for ENGL 98

HLTH 102
Applied A & P **5**
Emphasizes the relationship between the structures of the human body, related functions, and clinical applications in both healthy and unhealthy states. Concepts of homeostasis will be explored, along with the consequences to the human body when homeostasis is disrupted. Familiarity with medical terminology is desired. No prior knowledge of biology or chemistry is required.

Prerequisites: Eligibility for ENGL& 101

HLTH 103
Fundamentals in Health Care Delivery **4**
Overview of current healthcare professions including career and market information. Provides information on healthcare delivery systems, medical insurance, health organization structure, patient rights and quality care, healthcare and life values, ethics, and essential behaviors in the workplace. Personal healthful living practices, OSHA standards and workplace safety, and interpersonal communications will be examined as well.

Prerequisites: Completion of ENGL 97 or placement into ENGL 98.

HLTH 104
Critical Inquiry in Healthcare **3**
Offers a systems perspective to provide students with opportunities for analysis, synthesis, and application of critical inquiry, reflective thinking and decision making within healthcare.

Prerequisites: Eligibility for ENGL& 101

HLTH 130
Disease and Pathology **5**
Overview of the disease processes of major conditions, including infectious diseases, major neoplastic conditions, and major congenital diseases. The focus is on human diseases that are first diagnosed in the clinical setting. The etiology, signs and symptoms, diagnosis, treatment and prognosis of each disease are studied. Primary prevention of the disease is also discussed.

Prerequisites: HLTH 102 or equivalent, OR BIOL& 231 and BIOL& 232 or equivalent

HLTH 135
Administrative Skills: Office Management **5**
Overview of the disease processes of major conditions, including infectious diseases, major neoplastic conditions, and major congenital diseases. The focus is on human diseases that are first diagnosed in the clinical setting. The etiology, signs and symptoms, diagnosis, treatment and prognosis of each disease are studied. Primary prevention of the disease is also discussed.

Prerequisites: HLTH 100; ENGL& 101; and either BUS 130 or MATH 76 (or equivalent) or higher

HLTH 136
Administrative Skills: Practice Finance **5**
All aspects of medical practice finances, including bookkeeping systems, third-party billing, coding systems, accounting and banking procedures, and employee payroll. Management of medical practice finances integral to an ambulatory care facility.

Prerequisites: HLTH 100; ENGL& 101; and either BUS 130 or MATH 76 (or equivalent) or higher

HLTH 140
Emergency Care Procedures **3**
Focus is on emergency care education, the ability to perform patient assessments, and treat life-threatening conditions. Identifying the need for emergency preparedness, by performing and developing various emergency, environmental, and disaster plans.

Prerequisites: Valid CPR card American Heart Association BLS Provider, "Heartcode" BLS Course or Military Health Network Course)

HLTH 141
Industrial Safety **3**
Reviews key elements and requirements of a safety and health management program in today's manufacturing environment. This is part of a sequence of courses designed to help a student achieve a two-year ATA degree in Advanced Manufacturing Technology.

Prerequisites: ENGL 98 or equivalent or instructor permission

HLTH 150

Intercultural Communication in Health Care **5**
(D, R) Introduction to intercultural interpersonal communication techniques as they apply in a healthcare setting. Focuses on the roles of verbal and nonverbal codes in the development of intercultural interpersonal relationships, explains cultural competence and its implications within the healthcare delivery system, discusses obstacles to intercultural communication, examines role behaviors and attitudes regarding healthcare and describes communication with people who have altered health states.

Prerequisites: Successful completion of ENGL& 101 with grade of C or higher

HLTH 160
Medical Interpreting - Spanish **5**
Provides a framework for understanding the role of the professional Spanish/English medical interpreter which includes medical interpreting standards of practice, ethics, and cultural advocacy. Skill development includes a range of interpreting tasks as well as medical vocabulary, phraseology, and expressions necessary to interpret the most common medical signs, symptoms, and treatment-related terminology used during patient-provider interactions.

Prerequisites: Completion of HLTH 100 with grade of C or higher or concurrent enrollment. Native-like fluency in Spanish and English will be evaluated by the instructor the first week of class.

HLTH 182
Health Care Service Learning **1-2**
Health Care Service Learning combines the opportunity of volunteerism with academic applications of health care, economic, and ethical issues important to the local community. Provides for real-life application of skills and knowledge that extends learning beyond the classroom and into the community. A maximum of six credits may be earned.

Prerequisites: Completion of ENGL 98 or ESL 98 or IELP 98 with a grade of C or higher or eligibility for ENGL& 101; and instructor permission.

HLTH 202
Advanced A&P **5**
Gross human anatomy as it applies to physical therapy. Muscle, tendon, ligament, and nerve innervation of the trunk and upper extremity, head, neck, and lower extremity. Structural identification and function of the spine, heart, lungs, abdominopelvic organs, circulatory and sensory systems. Neuroanatomy of the nervous system, emphasizing structure and functional relationships. Relates the structural relationships of the central and peripheral nervous systems to brain dysfunction and pathology.

Prerequisites: HLTH 102

HLTH 205
Medical Law and Ethics **5**
Designed to incorporate the principles of critical thinking, the course will focus on pertinent laws at the federal and state levels, examining their application to the clinical practice including: confidentiality, HIPPA regulations, release of patient information, licensure, medical malpractice, and risk management. Examination of current bioethical issues and their impact on the practice of medicine.

Prerequisites: Successful completion of ENGL& 101

Prerequisites: Completion of or concurrent enrollment in ENGL 98 or above

HLTH 210
Principles of Pharmacology **5**
Addresses the forms and classifications of medications, drug actions and uses, the effects of drugs on the body systems and possible side effects of medications. Important aspects of patient safety, pharmacodynamics and medication reactions are studied. Evaluates and addresses issues in educating patients, including age, gender, disease processes and psychosocial and cultural influences. Emphasis on the fifty most commonly prescribed drugs. Twenty hours of simulated clinical practice will be provided.

Prerequisites: HLTH 100, HLTH 130, ENGL& 101, BUS 130 or MATH/TS 76 or higher, all with a grade of C or higher

HLTH 220
Phlebotomy Technician Training **5**
Preparation for national phlebotomy certification examinations. Designed for those with no prior knowledge of phlebotomy procedures. Includes advanced cardiovascular anatomy and physiology, therapeutic communication, healthcare professionalism, ethical considerations, phlebotomy techniques, quality assurance, and medical laboratory information. All procedures developed from the Clinical Laboratory Standards Institute.

Prerequisites: Instructor permission

HLTH 221
Phlebotomy Practicum **4**
Preparation for national Phlebotomy certification examinations. Practicum allows students to integrate phlebotomy skills, quality assurance, and relevant medical laboratory knowledge into the care of patients. Includes 120 hour unpaid clinical externship at area hospitals or clinics as arranged by instructor.

Prerequisites: Instructor permission

HLTH 231
Clinical Skills - Surgical **4**
Develops the skills needed to perform the duties of the medical assistant. Areas include sterile techniques, OSHA requirements, equipment preparation, identification and sterilization, pre-surgical procedures, decontamination after surgery, wound care management, orthopedic and rehabilitation needs, assisting with minor office procedures, radiologic and diagnostic imaging procedures, and preparation for patient education. Instructor permission required to repeat course; one repeat past initial enrollment.

Prerequisites: HLTH 100; either HLTH 135 or HLTH 136; ENGL& 101; BUS 130 or MATH/TS 76 or higher; each with a grade of C or higher

HLTH 232
Clinical Laboratory Skills **5**
Develops the skills needed to perform duties of a medical assistant in the laboratory of a general outpatient medical practice. Concepts of laboratory safety, quality assurance, microbiological features of various pathogenic and nonpathogenic microbes, transmission-based precautions, laboratory techniques for specimen collection, specimen handling and processing. Skills and techniques utilized to support and enhance the physician¿s diagnostic procedures and treatment options. Develops critical thinking skills through participation in simulated laboratory exercises, simulated patient care via written formats and simulated laboratory results evaluation and processing. Instructor permission required to repeat course; one-time past initial enrollment.

Prerequisites: HLTH 100; either HLTH 135 or HLTH 136; ENGL& 101; BUS 130 or MATH/TS 76 or higher; each with a grade of C or higher

HLTH 241
Medication Administration **4**
Emphasizes the methods and procedures used for calculating, preparing and administering medications to patients across the lifespan. Addresses safety regulations and procedures as well as the legal and administrative responsibilities involved in prescribing, dispensing and administering medications.

HLTH 242
Principles of Phlebotomy **4**
Psychomotor instruction in phlebotomy procedures and techniques for students with no prior experience in drawing blood for diagnostic testing. Documentation, various laboratory tests, quality control and safety rules regarding lab equipment and chemicals are covered.

Prerequisites: HLTH 241

HLTH 243
Clinical Skills - Ambulatory **5**
Focus on medical assisting concepts of professionalism, therapeutic communication, patient care, equipment and diagnostic procedures utilized during examinations to assist the licensed medical provider. Clinical skills include vital signs, cardiopulmonary exams, vision and hearing screening exams, preventative healthcare coaching and maternal/pediatric care. Twenty hours of simulated clinical practice will be provided.

Prerequisites: HLTH 241 and HLTH 242

HLTH 251
Medical Assisting Clinical Practicum **6**
Provides students a safe, supervised clinical work experience, in an outpatient ambulatory setting, in which to apply didactic theories. The practicum experience provides students an opportunity to put into practice their administrative and clinical skills, to foster professional growth and self-confidence in the role of a medical assistant. Students are also provided an opportunity to discuss professional concerns, events, and activities that pertain to medical assisting. Weekly seminar topics will be chosen. 160 clinical hours. Instructor permission required to repeat course.

Prerequisites: Instructor permission

HLTH 290
Certified Medical Assisting Exam Review **2**
Group workshop to assist new medical assisting graduates and professional medical assistance to prepare for the national exam given by the American Association of Medical Assistance for certification or recertification.

Prerequisites: Eligibility to take or recertify for national certification by the AAMA.

HEALTHCARE MANAGEMENT

EvCC's Business Department offers a 15-credit series in Healthcare Risk Management. The three classes in this program are targeted at clinical and administrative healthcare professionals seeking strategies for reducing errors and establishing practices that will safeguard healthcare workers and their clients. A department certificate will be awarded following successful completion of the coursework.

HCM 206
Introduction to Healthcare Risk Management **5**
Introduction to the concept of risk management in the healthcare setting, including a historical perspective on the development of healthcare risk management, the role of a risk manager, and compliance with federal and local agencies in various healthcare settings.

Prerequisites: Completion of or concurrent enrollment in ENGL 98 or above.

HCM 207
Law, Healthcare, and Patient Safety **5**
Overview of applicable federal, state and local health and safety laws relevant to the practice of healthcare risk management and patient safety, including occupational and environmental risk exposures, accident prevention, and emergency management.

Prerequisites: Completion of or concurrent enrollment in ENGL 98 or above.

HCM 208
Healthcare Risk Management and Liability **5**
Overview of the principles of malpractice and liability insurance, the conduct of malpractice litigation, and the settlement of malpractice claims. This course will provide students with information on accurate documentation in the medical record and an introduction to the emerging liabilities facing healthcare organizations.

HIGH SCHOOL COMPLETION

Everett Community College offers a Adult High School Completion Program for students wishing to finish their diploma requirements. Most students within our traditional High School Completion (HSC) program are 19 years of age and older. This program evaluates previous high school transcripts and works with the students to take the classes needed to fill in the subject gaps from high school. Our High School 21+ (HS21+) program is designed for students 21 years of age and older. Just as our HSC program does, EvCC will evaluate previous high school transcripts and work with the student to fill in the subject gaps. Within HS21+, in addition to taking classes to fulfil subject gaps, a student can also show competency for subject matter in a variety of ways. To get started, a student should request their official transcripts from their previous high school, submit them to Everett Community College, and attend a Transitional Studies Orientation.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Students taking High School Completion classes will successfully complete their course requirements in order to complete their diploma.
- Increased access to High School Completion advising for international students.

N. Benedetti **425-388-9377** **nbenedetti@everettcc.edu**
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J. Nanfito **425-388-9108** **jnanfito@everettcc.edu**

HSC 12
High School Arithmetic Review and Problem Solving **5**
Review of basic concepts and applications of whole and decimal numbers in daily life. Emphasis is on building skills and problem solving.

Prerequisites: Instructor permission

HSC 14
High School Mathematics for Life and the Workplace **5**
Review of basic concepts in mathematics with applications in everyday life and the workplace. Prime factorization and operations on rational numbers, and applications using ratios, proportions, and percents are included. Not intended for ABE students. HSC 14 is competency based. It is possible for a student to earn fewer than 5 credits. Equivalent to MATH 70.

Prerequisites: Ability to perform whole number arithmetic

HSC 17
High School Preparation for Algebra **5**
Fractions, decimals, percents, order of operations, scientific notation, formulas, signed numbers, exponents, radicals, geometric figures, and applications.

Prerequisites: HSC 14 or strong working knowledge of arithmetic.

HSC 21
High School Completion English 1 **5**
Individual attention in basic grammar, punctuation, paragraph construction, development of literary response techniques and interpretation of American literature through reading, writing and seminars. Requirements may include oral presentations.

HSC 22
High School Completion English 2 **5**
Individual attention in basic grammar, punctuation, paragraph construction, development of literary response techniques and interpretation of American literature through reading, writing and seminars. Requirements may include oral presentations.

HSC 23
Intro/Reading Literature **5**
Individual attention in basic grammar, punctuation, paragraph construction, development of literary response techniques and interpretation of American literature through reading, writing and seminars. Organization of grammar and composition skills into comprehensive written communication assignments.

HSC 31
Reading High School US History I **5**
Analysis of important themes in American social and political history from Revolutionary America to the present. Development of literacy, response techniques and interpretation of materials with an emphasis on cause and effect.

HSC 32
Reading American Government and Civics
Emphasis on the critical role of American citizenship through discussion of the Constitution and the Bill of Rights. Students will read, write, listen speak and think critically about how our government operates and their rights and responsibilities as citizens.

Prerequisites: Transitional Studies orientation and CASAS testing or instructor permission

HSC 33
American History II **5**
Analysis of important themes in American social and political history from Revolutionary America to the present. Includes the development of literacy, response techniques and interpretation of materials with an emphasis on cause and effect.

HSC 34
Reading WA State History **5**
Regional dimension of American history in Washington State and the Pacific Northwest and the Washington State Constitution.

HSC62
Earth/Space Science I **5**

Earth/Space Science I

HSC 66
Basic Math Skills **5**
Fractions, decimals, proportions, order of operations; evaluation and simplification of algebraic expressions with whole numbers; solving algebraic equations with whole numbers.

Prerequisites: Placement into HSC 066 via an assessment OR instructor permission

HSC 70
Preparation for Algebra **5**
Proportions and percentages; integers; order of operations; evaluation and simplification of algebraic expressions; solving algebraic equations with fractions, decimals and integers.

Prerequisites: Placement into HSC 070 via an assessment or completion of TS 060 or HSC 066 with a C (2.0), or instructor permission

HSC 76
Mathematical Literacy **5**
Review of basic concepts in mathematics focusing on real-world applications and conceptual understanding. Topics include: prime factorizations; operations on rational numbers; evaluation of algebraic expressions; ratios, proportions, and percentages; reading graphical interpretations of data; plotting graphs; writing linear relationships using algebra. Equivalent to MATH 76 and TS 76. Credit cannot be earned in both HSC 76 and either MATH 76 or TS 76.

Prerequisites: Eligibility for HSC 76, TS 76 or MATH 76 via a math assessment OR permission of a math instructor

HSC 81
Geometry I **5**
A basic introduction to congruence, proof, and constructions; similarity and trigonometry; extending to three dimensions.

Prerequisites: TS 080, HSC 080 or MATH 080 with a grade of C (2.0) or higher, or via an assessment, or instructor permission

HSC 86
Essentials of Intermediate Algebra **5**
Introductory course in mathematical reasoning, focusing on real-world applications and conceptual understanding. Topics include ratios and percentages, linear models, quadratic applications, algebraic manipulation, statistical measures of center, and geometry. Equivalent to TS 86 and HSC 86. Credit cannot be earned in both MATH 86 and either TS 86 or HSC 86.

Prerequisites: MATH 76 (or equivalent) with a C (2.0) or better OR eligibility for MATH 86 via a math assessment OR permission of a math instructor

HSC 87
Writing Structure and Academic Planning **5**
Development of grammar, punctuation and sentence style skills including compound and complex sentences. Development of a portfolio of current and past personal, employment, and educational experiences in order to create an academic plan for future quarters, finish needed credentials, and transition to college or vocational programs. Credit cannot be earned in both TS 87 and HSC 87.

Prerequisites: Transitional Studies orientation and CASAS testing, or instructor permission

HSC 97
Introduction to College Paragraphs **5**
Prepares students for college writing, including advanced grammar and sentence styles and the paragraph structure. Introduces information literacy, research skills, and group projects. Equivalent to ENGL 97 and TS 97. Credit cannot be earned in both HSC 97 and either ENGL 97 or TS 97.

Prerequisites: Transitional Studies orientation and CASAS testing or instructor permission

HSC 98
Introduction to College Essays **5**
Prepares students for college writing, including formal academic writing styles and the essay structure. Introduces information literacy, research skills, and documentation styles in order to transition successfully to college level classes. Equivalent to ENGL 98 and TS 98. Credit cannot be earned in both HSC 98 and either ENGL 98 or TS 98.

Prerequisites: Transitional Studies orientation and CASAS testing or instructor permission

HISTORY

The study of history provides context and better prepares a person to understand the current state of affairs in our world. Studying history teaches an individual to critically think and analyze complex situations. These skills are invaluable in the world of today. One does not need to be a history major to benefit from taking an array of history courses while pursuing a transfer degree into another discipline. The study of history will enable a student to engage life and the professional world with a depth of understanding and ability.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Demonstrate knowledge of a range of facts, terminology, events, and/or methods that social scientists in various disciplines must possess in order to investigate, analyze or give a history of, or predict human, group, or societal behavior.
- Demonstrate the ability to apply classifications, principles, generalizations, theories, models, and/or structures pertinent to social scientific efforts to organize conceptual knowledge in various fields.
- Demonstrate the ability to reach conclusions/make arguments across a range of social science topics that are tied to a defensible sifting of appropriate evidence relative to the questions involved.
- Demonstrate an understanding and recognition of the diversity of perspectives, cultural understandings, and ways of thinking that others bring to bear on social science questions.

Faculty Advisor:
S. Jordan-Zirkle 425-259-8894 sjordan-zirkle@everettcc.edu
J. Ripper 425-388-9171 jripper@everettcc.edu

HIST 100
Ancient & Medieval Worlds **5**
(H,SS) Development of human endeavors from prehistoric time to the late Middle Ages. Emphasis on the cultural, social, political and economic aspects of the great civilizations of this period.

HIST 103
World Civilization **5**
(H,SS,D) General introduction to world history, emphasizing understanding and respect for diverse cultures and tracing the broad themes of historical change from a variety of perspectives, including social organization, art, literature, and spiritual values. Follow the appearance and evolution of the major religious traditions of the world, witness the construction, decay, and collapse of major civilizations, and inquire about the meaning of life in the company of the great teachers of the past, including Confucius, the Buddha, Socrates, Ibn Khaldun, St. Thomas Aquinas, and many others.

HIST 111
Western Civilization to 1648 **5**
(H,SS) Survey of the history of the Ancient Near East, Mediterranean civilizations, and ancient and early modern Europe from the Stone Age through the Thirty Years' War. Major developments in politics, technology, philosophy, religion and the arts. Topics include ancient Sumer and Egypt, Israel, Greece, Rome, the Middle Ages, the Renaissance, the Reformation, the voyages of discovery, and the national monarchies. Credit cannot be earned in both HIST 100 and 111.

HIST 112
Western Civilization 1648 to Present **5**
(H,SS) Survey of the history of early modern and modern European civilization from the Thirty Years' War to the present. Major developments in politics, technology, philosophy, religion, and the arts. Topics include national monarchies, the Enlightenment, the American and French Revolutions, Napoleon, the Industrial Revolution, nationalism, socialism, imperialism, the world wars, Hitler and Stalin, the Cold War, and industrial democracy.

HIST& 146
US History I **5**
(H,SS,TE) First of a three-part survey of American history. Discovery and colonization of the Americas,

growth of a new culture, independence, organization of the American union, growth and expansion of American nationalism, Jeffersonian and Jacksonian democracy.

HIST& 147
US History II **5**
(H,SS,TE) Second of a three-part survey of American history. Slavery, the Civil War, Reconstruction, industrialization and urbanization, the late 19th century agrarian protest movement, America's development as a world power, the Progressive movement and America's involvement in World War I.

HIST& 148
US History III **5**
(H,SS,TE) Third of a three-part survey of American history. Emphasis on the critical changes in domestic and foreign affairs which have shaped the character of contemporary life.

HIST 170
Multicultural American History **5**
(H,SS,D) This course examines 400 years of American ethnic diversity, beginning with Native Americans and the first African and European "foreigners" arriving in the Colonial era to the diverse ethnic makeup that characterizes life in the United States today.

HIST 199
Special Projects in History **1-5**
Independent study projects on selected topics in history. Credit to be arranged with supervising instructor.

Prerequisites: Instructor permission

HIST 210
The Vietnam War **5**
(H,SS) A survey of the history of the war in Vietnam from 1945 to 1975 and the conflict's postwar impact on Vietnam and the United States.

HIST& 214
Pacific Northwest History **5**
(H,SS,TE) Topics covered include Indian culture, exploration, economic expansion, racial problems, reform movements, labor organizations, political institutions and urban development.

HIST& 215
Women in U.S. History **5**
(D,H,SS) Introductory survey of Women in U.S. History from pre-colonial times to the present. Explores women's experiences and examines the ways that race, ethnicity, sexuality, religion, and socioeconomic status shaped societal definitions of what it meant to be a woman. Analyze and interpret the ways diverse groups of women navigated, exposed, and challenged gender definitions and roles, as well as social and legal gains via reform efforts and social justice campaigns. Explore women's experiences in the following time periods: Indigenous women, colonization, female slaves, Puritan women and witches, mothers and daughters of the Revolution, female labor, gender and social reform movements, women and the Civil War, women in the west, American Indians in boarding schools, suffrage and rights, depression and prosperity, women in the military, women's liberation, gender and the rise of the right, and women in a global age.

Prerequisites: Eligibility for ENGL & 101 or instructor permission

HIST 217
History of Technology **5**
(H,SS) Survey of the history of technology, tracing interaction between technological innovation and historical and social change. Issues of technology and social justice. Focus on the passage from one technological age to the next and the consequences of this change on humans, the environment, and a global community. Assessing historical arguments surrounding technological innovation as progress or disaster. Perspectives on technological change and inequality, national identity, communication and social control, and the integrity of political institutions.

Prerequisites: Eligibility for ENGL& 101

HUMAN DEVELOPMENT

Human Development courses are designed to support students' success in their educational, career and personal development. Human Development courses can be applied toward most transfer degrees as List B: Applied Electives. Contact: Counseling and Career Services, third floor Parks Building, 425-388-9263.

E. Martin	**425-388-9268**	**emartin@everettcc.edu**
D. Skinner	**425-388-9178**	**dskinner@everettcc.edu**
G. Myers	**425-388-9266**	**gmyers@everettcc.edu**

H DEV 95
College and Career Directions **1-2**
Examination of next steps in regards to educational and career possibilities. Activities focus on current and future labor market trends, career resources and educational options. Resume and job interviewing skills will be introduced. Class targets pre-college students.

H DEV 103
Moving Through Loss and Grief **2**
Moving through a significant loss requires a series of actions and small steps. This class will guide students in this process and help them to discover the strength within themselves to recover.

H DEV 105
Overcoming Math Anxiety **2**
Helps students confront math anxiety and develop coping strategies in order to be more successful in mathematics courses.

H DEV 110
Career and Life Planning **3**
Examination of personal career possibilities in the world of work. Activities focus on self-assessment through testing, values clarification, occupational surveys, and identification of strengths. Resume writing and job interviewing skills may be covered. Class composition and need determine which areas instructor emphasizes.

H DEV 118
Orientation to College **1**
Orientation to college for first-time college students. Includes information about college programs, classes, procedures and resources. Designed to enable students to take full advantage of student services and educational opportunities during their college career. Guest lecture format.

H DEV 150
Transfer Success **1-2**
Examination of the essential skills and the information needed for preparation to transfer to a four-year university or college. Activities focus on self-assessment in exploring a college major and strategies necessary to transfer. Specific topics will include academic planning and choosing a major, selecting a college, financial aid and scholarship opportunities, networking, the admission process, deadline dates, writing personal statements and other related topics.

H DEV 155
Human Relations in the Workplace **3**
(R) Principles and techniques for building and maintaining successful relations with co-workers, supervisors, and employees. Includes job beginnings, goal setting, leadership styles, self-motivation, effective communication, and conflict management.

* Human Relations (R) -- This course meets the college criteria for fulfillment of the Human Relations requirement in professional/technical programs.

H DEV 156
Stress Management **2**
Helps students become more aware of the sources of stress in their lives, the consequences of stress for the way they think, feel, and act, and methods of reducing and coping with stress.

H DEV 160
Life Transitions **2**
Foundation of theory and skills for individuals experiencing life transitions. Includes theories of adult development, change and resilience. Introduces skills for managing stress, coping with changes in identity, developing new goals and mobilizing individual and community resources.

H DEV 173
Self-Esteem and Goal Setting **2**
Identify factors that affect self-esteem and explore constructive ways to build positive self-esteem.

Students will be encouraged to design and implement a plan to achieve both immediate and long-term goals.

H DEV 180
Relating Assertively **2**
Practical application of assertiveness techniques which include improving conversational skills, stating opinions, handling criticism, identifying and sticking to the issue, making requests, and learning to negotiate.

H DEV 183
Anger Management **2**
Addresses ways to express anger and respond to frustrating situations in constructive and appropriate ways.

H DEV 201
Living and Working in a Diverse Society **5**
(D) Introduction to building and developing skills for living and working within a diverse society. Focus on understanding multiple cultural traditions and values as well as learning interaction skills across cultures. Topics and concepts such as race, ethnicity, age, gender, social class, religion, abilities and sexual orientation are explored in the class.

Prerequisites: Completion of ENGL 98 or ESL 98 or IELP 98 with C or higher or placement into ENGL& 101

HUMAN SERVICES

Human Services courses are designed to introduce students to the field of Human Services. Many Everett Community College students transfer to Western Washington University's Human Services bachelor's degree program located in Everett. (425-259-8919)

Faculty Advisors:

E. Martin	**425-388-9268**	**emartin@everettcc.edu**
D. Skinner	**425-388-9178**	**dskinner@everettcc.edu**

HUMS 101
Introduction to Human Services **3**
(TE) Survey of the historical and theoretical perspectives of human services. Includes investigation of contemporary issues and discussions of career and educational opportunities.

HUMS 182
Service Learning **1-2**
Service Learning combines the opportunity of volunteerism with academic applications of social, economic, and political issues important to the local community. Provides for real-life application of skills and knowledge that extends learning beyond the classroom and into the community. May be repeated up to six credits.

Prerequisites: Instructor permission

HUMANITIES

The Humanities include disciplines that ask questions about meaning, value, and significance and use interpretive, non-quantitative methodologies to probe and express the human condition.

Interdisciplinary study in the Humanities provides you with an arena for the integration of learning, focusing the smorgasbord of general education courses into a more coherent and integrated foundation for your later academic endeavors and preparing you for a future that demands breadth as well as depth of preparation. Students wishing to complete a Humanities emphasis for their Associate in Arts and Sciences - DTA degree should obtain a copy of the Humanities program map.

If you are interested in a career in any of the Human Services fields, please contact one of the Psychology or Sociology advisors listed in this catalog.

Faculty Advisors:

P. Shen	**425-388-9410**	**pshen@everettcc.edu**
C. Fischer	**425-388-9236**	**cfischer@everettcc.edu**
J. Ripper	**425-388-9171**	**jripper@everettcc.edu**

HUM& 101
Introduction to Humanities **5**
(H) An interdisciplinary introduction to the Humanities as they raise questions of meaning, value, and significance and probe, transmit, and critique the experiences of humanity. Also explores the Humanities as a primary vehicle of cultural memory. The Humanities are those disciplines, such as history, art, music, philosophy, and literature, that employ interpretive, non-quantitative methodologies to express the human condition in all of its diversity. Emphasizes reading, critical thinking, and writing skills.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101

HUM 110
Introduction to American Cultural Studies **5**
(H,SS,D) An interdisciplinary introduction to American Cultural Studies as an analysis of issues, concepts and theories of the Americanization process and American cultural values. Topics such as race, ethnicity, social class, privilege, gender and religious beliefs are explored through history, literature, sociology, art and communication.

Prerequisites: Completion of ENGL 98 with a grade of C or higher, or eligibility for ENGL& 101

HUM 125
Negotiating Nature **3 or 5**
(H) Investigation of the concepts of nature and wilderness in America through the lens of those disciplines, such as history, art, music, philosophy and literature, that employ interpretive, non-quantitative methodologies to probe and express the human condition.

HUM 150
Surviving the Holocaust **5**
(H,D) Written, filmed, and live testimony of Holocaust survivors considered from the perspectives of literature, history, sociology, psychology, art, film, philosophy, and theology.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101

HUM 160
Introduction to Japanese History and Culture **5**
(H,D) Analysis of the historical development of Japan and its effects on modern-day Japanese society, as well as the study of Japanese values and behaviors, to better understand communication styles, social and business relations and management styles.

Prerequisites: Completion of ENGL 98 or eligibility for ENGL& 101

HUM 166
Germany in Transition - Toward a Multi-Ethnic Civilization **5**
(H,D) Survey of past and modern German cultures, concentrating on major periods in literature, language, politics, art, architecture, religion, film and music. Humanities 166D focuses on the increasingly multi-ethnic population of Germany, its position and future in the European Union and its relationship to the Global community.

HUM 170
Berlin - City of the Future **5**
(H) Interdisciplinary course focusing on Berlin's historical significance, its role in politics, literature, language, art, film, music and its future position as a vibrant metropolis of the European Union.

Prerequisites: Completion of ENGL 98 or eligibility for ENGL& 101

HUM 175
Introduction to Modern Italian History and Culture **5**
(H) Survey of modern Italy, beginning with its unification, Il Risorgimento in 1860, through the country's evolution from a ravaged, post-war agrarian society into one of the leading industrialized countries in the Western World. Other topics will include Italian fascism, Mussolini, political structure, separation of church and state, economic recovery, social transformation in the 1950s and 1960s, terrorism, organized crime, Italy's low birth rate and aging population, and recent waves of immigration. Overview of Italy's historical, cultural, political, and social characteristics.

Prerequisites: Completion of ENGL 98 or eligibility for ENGL& 101

HUM 178
Introduction to Modern Russia **5**
(H,SS) With the collapse of the Soviet Union in 1991, Russia emerged as a new country. This course is an introduction and survey of Modern Russia with a focus on the new economy, new society and politics. Topics include Russian culture and customs, Russian immigration and emigration, multi-ethnic communities, arts, languages, literature, film, music, peoples and traditions.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101

HUM 180
Introduction to Latinos in the United States **5**
(H,SS,D) Introduction to the history, culture, and socio-economic development of Latino communities in the U.S. Specifically, the course will examine the communities of Cuban, Mexican, and Puerto Rican origin as well as post-1965 immigrant populations from various sending areas of the Americas. Through the study of history, current events and literature, students will be able to articulate the diversity within the largest ethnic group in the United States as well as the dominant themes that characterize the lives of U.S. Latinos.

Prerequisites: Eligibility for ENGL& 101

HUM 182
Service Learning **1-2**
Allows students to explore the expression of the Humanities in our community, combining the opportunity of volunteerism with academic applications. Provides for real-life application of skills and knowledge that extends learning beyond the classroom and into the community as students get involved in such activities as working with local organizations to promote the humanities or planning on-campus Humanities-oriented conferences. May be repeated up to six credits.

Prerequisites: Instructor permission.

HUM 184
Humanities Showcase **1-2**
(HP) Allows students to showcase their creative work in the Humanities at an EvCC Humanities conference/festival. May be repeated up to six credits.

Prerequisites: Instructor permission.

HUM 195
Honors Seminar: The Integration of Knowledge **3**
(H) In-depth examination of a selected theme (such as happiness) from an interdisciplinary perspective while emphasizing writing skills, critical thinking, and information literacy. Students will also begin creating a portfolio to showcase their academic accomplishments as they plan for the future. This course is one of two gateway courses required for admission to the Honors program.

Prerequisites: Eligibility for ENGL& 101

HUM 196
Honors Symposium **2**
(H) Focused exploration of a selected annual topic (such as "Revolutions"), alternating guest faculty presentations from a variety of disciplines with students' round-table discussions and presentations. All guest faculty presentations will be open to the campus community in order to stimulate wider dialogue. Emphasis on critical thinking abilities, written and oral skills, and intellectual collaboration. This course is one of two gateway courses required for admission to the Honors program.

Prerequisites: Eligibility for ENGL& 101

HUM 200D
Introduction to Gender Studies **5**
(D,H,SS) Interdisciplinary introduction to the study of gender, approached from the perspective of both the social sciences and humanities, and will include comparisons with non-Western cultures. Exploration of the intersectionality of gender with various categories such as race, class, sexuality, and (dis)ability in understanding the lives and struggles of humans. Gender and women's rights, power, privilege, sexuality and health, family life and work, religion, globalization, and social change. Promotes critical thinking on the issues of gender and women's rights.

Prerequisites: Eligibility for ENGL& 101

HUM 210
Introduction to Women's Lives in the United States **5**
(H) Introduction to the richness and diversity of women's lives in the United States, including their social realities, issues and contributions from an interdisciplinary perspective (social sciences, humanities and the arts). Special attention will be given to the intersection of race, class and sexuality on women's experiences and contributions.

HUM 227
History of the American Comic Book **5**
(H) Introduction to the American comic book, with a focus on the medium's development within the larger context of U.S. history. Topics include comic-book elements, styles, creators, characters, genres and historical periods.

HUM 247
Introduction to World Religions **5**
(H,D) Survey of the world's major religions including Islam, Judaism, Christianity, Hinduism, Buddhism, and others. Examination of the beliefs, rituals, experiences, stories, theologies, ethical codes, institutions, and physical manifestations of these religions.

HUM 248
Women, Religion and Society **5**
(H,SS) Survey of the roles, beliefs, attitudes and practices related to women's spiritual lives in the major world religions and several of the indigenous traditions. Also offered as SOC 248. Credit may not be earned in both HUM 248 and SOC 248.

Prerequisites: Completion of ENGL 98 with a C or higher or eligibility for ENGL& 101

INFORMATION TECHNOLOGY

Everett Community College offers degrees and certificates in Information Technology. The Computer Support certificate prepares students for entry-level positions such as PC repair, workstation deployment, or end-user technical support. The System Administrator certificate builds on this foundation with more advanced courses. The Network Administration certificate prepares students to manage small and medium-sized computer networks. Students seeking a two-year degree will earn an Associate in Technical Arts (ATA) degree in Information Technology after completing the requirements for all three certificates (Computer Support, Systems Administrator, and Network Administrator), fulfilling general education requirements, and completing a required Computer Careers Internship. IN addition, students who are ultimately seeking a bachelor's degree may elect to pursue an Associate in Applied Science - Transfer (AAS-T) degree that satisfies transfer requirements for Central Washington University, Western Governors University, and other four-year partner institutions.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Access business problems and implement the best solutions both independently and as a dependable team member.
- Demonstrate how and when to self-start, especially in learning and seeking new knowledge, and anticipate and prepare for a variety of unknown situations that might impact the operation of a computer system or network in an every-changing industry.
- Communicate both in writing and verbally about computing concepts and processes using technical terms effectively to both professional and lay audiences in order to secure and maintain employment.
- Operate ethically, integrating law, company rules and policies, and individual decision-making to foster personal growth and better appreciate the diverse world in which we live.
- Demonstrate knowledge of mathematics and logical approaches to problem solving in order to analyze a situation and anticipate and prepare for a variety of unknown events that might impact the operation of a computer system or network.
- Demonstrate technical computing skills to prepare for industry certification or to be technically competent in a particular computer position or job field.
- Demonstrate safe work habits that reflect concern and care for self and understanding of the local and global impact of computing on individuals, organizations, and society in the context of sustainability.

Faculty Advisors:
R. Masinelli **425-388-9104** **rmasinelli@everettcc.edu**

D. Skarr **425-388-9127** **dskarr@everettcc.edu**

IT 101
Information Technology Foundations **5**
Orientation to academic and career opportunities in the Information Technology field. Topics include computer terminology, hardware, operating systems, data management, security concepts and ethics. Students explore Information Technology career options and prepare for internships in the field. Each student creates a personal academic pathway. Learning resources and continuing education opportunities are introduced. This class offers the CompTIA IT Fundamentals industry certification.

IT 103
Managing Personal Devices **3**
Foundational understanding of computing, including knowledge and use of computer hardware, software, and operations systems with mobile devices and cloud computing. Types of computers, how they process information, and the purpose and function of different hardware components. General computer knowledge, including basic hardware, software, networking and troubleshooting.

Prerequisites: Eligibility for ENGL 98

IT 105
Internet Safety and Securing Personal Technology **5**
Cybersecurity training for all technology users. Equips students with the necessary knowledge and skills to protect their personal information and digital assets. Learn skills to take the necessary steps to mitigate security exposure. Fundamental understanding of various computer and network security threats such as identity theft, credit card fraud, online banking phishing scams, virus and backdoors, emails hoaxes, sex offenders lurking online, loss of confidential information, hacking attacks and social engineering.

Prerequisites: Eligibility for ENGL 98

IT 107
Living Online **3**
Foundational understanding of how to effectively use a computer in an Internet or networked environment. Introduction to electronic communication and how to communicate using electronic mail, social networks and other communication methods basic skills required to evaluate information. Research and evaluate current relevant technologies that are used to manage everyday tasks in a connected world.

Prerequisites: Eligibility for ENGL 98

IT 109
Understanding and Managing Apps **3**
Introduction to app culture elements to understand how to obtain and maximize the use of some of today's most popular apps. Research, obtain and install apps to perform common functions of application software from computer and mobile devices. Introduction to different app genres that include productivity, reference, social media, music, and health. Strengths and limitations of apps and applications such as compatibility, productivity, and appropriate device usage.

Prerequisites: Eligibility for ENGL 98

IT 110
Information Technology Fundamentals **5**
Introduction to basic Information Technology (IT) knowledge and skills. Covers foundational IT concepts including identifying and explaining computer components, installing software, establishing network connectivity and presenting security risks. Focuses on the essential IT skills and knowledge needed to perform tasks commonly performed by advanced end-users and entry-level IT professionals. Helps to determine competency for Information Technology as a career path. Credit cannot be earned in both IT 110 and IT 101.

Prerequisites: Eligibility for ENGL 98 and MATH 86

IT 111
Networking 1 **5**
Fundamentals of computer networking, including hands-on experience in Windows networking. Network infrastructure, wireless network hardware such as cabling, switches, routers, protocols, and TCP/IP tools.

Prerequisites: STEM 103 or STEM 105, AND ENGL 98, AND eligibility for MATH 86

IT 112
Networking 2 **5**
Introduction to Cisco networking, including both theory and practical experience. First of three courses leading to CCNA industry certification.

Prerequisites: IT 111

IT 113
Networking 3 **5**
Introduction to switching concepts. Static routing, router redundancy, and EtherChannel will be examined along with enterprise wireless implementations using a WLC. Second of three courses leading to CCNA industry certification.

Prerequisites: IT 112

IT 145
Digital Forensics **5**
Examining the fundamentals of system forensics, such as the nature of forensics, the role of computer forensics specialists, computer forensic evidence, and application of forensic analysis skills. It also gives an overview of computer crimes, forensic methods, and laboratories. It then addresses the tools, techniques, and methods used to perform computer forensics and investigation. Explores emerging technologies of digital forensics.

IT 161
Computer Hardware and Technical Support **5**
Fundamentals of computing device hardware and technical support, in alignment with the first of two CompTIA A+ industry certification objectives. Hands-on experience with computer hardware assembly and repair including laptop and printer troubleshooting and Windows networking Operational procedures, customer service, and documentation.

Prerequisites: STEM 103 or STEM 105, AND ENGL 98 AND eligibility for MATH 86

IT 162
Computing Operation and Troubleshooting **5**
Computing operation and advanced troubleshooting of hardware and operating systems in alignment with Information Technology standards. Students receive hands-on experience with operating system installation and configuration, computer security principles, and mobile device operation.

Prerequisites: IT 111 and IT 161 or instructor permission

IT 163
Computer Hardware and Technical Support **6**
Students receive hands-on experience with computer hardware assembly and repair, operating system installation and configuration, device driver installation, and troubleshooting. This course aligns with the CompTIA A+ Certification objectives.

Prerequisites: IT 108 with a grade of C or higher or instructor permission

IT 175
Assessing and Securing Industrial Control Systems **5**
Introduction to Industrial Control Systems (ICS) cybersecurity. Challenges and important considerations required to secure cyber-to-physical operations. Study the range of attacks that have been conducted to ICS and how to apply security control to reduce the risk to an industrial network. Review of framework and guidance available that assist hardening an ICS environment to a cyber-attack.

Prerequisites: STEM 103 or STEM 105

IT 180
Information Security **5**
Principles of information security. Includes challenges faced by information technology professionals and tools for designing security policy, acceptable use policy, materials disposal policy, and access management policy. Threat assessment, risk assessment, and disaster recovery strategies. Hands-on experience with security software tools.

Prerequisites: IT 111 and IT 161, or instructor permission

IT 202
Server Administration Fundamentals **5**
Local Area Network (LAN) server installation, configuration and management. Covers topics such as equipment choice, network operating system choice, user account administration, system security, data protection, Internet connectivity, and monitoring system performance. This course aligns with the Microsoft certification for Server Fundamentals.

Prerequisites: IT 162 and IT 180

IT 203

Information and Cyber Warfare **5**

Overview of the global cyber threats that are currently targeting critical information systems vital to the public. Study of the different hacker groups that are weaponizing malware that targets critical infrastructure as a military strategy, stealing corporate Intellectual Property for financial gain, creating and amplifying disinformation across social media for political influence and creating cultural rifts. History of cyber war, cyber weapons, and the tactics used in a cyber-based battlefield. Analysis of sophisticated cyber-attack and the complex challenges it brings to law enforcement, emergency responders, and the public. Credit cannot be earned in both IT 203 and CJ 203.

Prerequisites: Eligibility for ENGL 98

IT 210
Network Application Support **5**

Presents the Microsoft Office suite and other common workplace applications from both user and administrator perspectives. Lab exercises will emphasize typical support issues such as communication methods, deployment/upgrade automation, remote administration and the way these factors affect customer satisfaction.

Prerequisites: IT 162 and IT 180

IT 213
Networking 4 **5**

Introduction to configuration of dynamic routing, access control lists, NAT, QoS, and VPN. The concepts of network design, management, and troubleshooting are reinforced. Third of three courses leading to CCNA industry certification.

Prerequisites: IT 113

IT 222
CCNA 4: Connecting Networks **5**

Experience with Wide Area Networking (WAN) technologies and network services required in a complex network. Selection criteria of network devices and WAN technologies to meet network requirements. Configuration and troubleshooting network devices and resolve common issues with data link protocols. Develop knowledge and skills needed to implement secured virtual private network (VPN) operations in a complex network. Final course in the CCNA series. Students completing this course will be prepared to take the Cisco CCNA certification exam.

Prerequisites: IT 217 with a grade of C or higher, or instructor permission

IT 240
Linux Systems Administration **5**

Presents the Linux operating system from the perspective of a systems administrator. Topics include Linux shell commands and essential tools, administration of local and remote systems, file systems, storage management, operating system deployment, user account management, and security.

Prerequisites: IT 162 and IT 180

IT 245
Network Defense **5**

Principles of network defense and protocol analysis including data carving from network packet captures. Intrusion detection using flow records, analyzing wireless based encryption cracking attacks, reconstructing a suspect's web surfing history and uncovering DNS-tunneled traffic. Uncover evidence of and analyze attacks on routers, firewalls, IDS, web proxies, and many other network devices.

Prerequisites: IT 240 or instructor permission

IT 251
Computer Careers Internship **1-5**

Provides students with a safe, supervised work environment to apply their academic skills. This allows the student to put into practice administrative and technical skills, to foster professional growth, and to gain self-confidence directly associated with certification and/or the degree focus of the student.

Prerequisites: Instructor permission

IT 252
Advanced Computer Careers Internship **1-5**

On-the-job work experience in occupations directly related to student's career choice. This advanced internship reinforces the student's expertise gained in the Computer Systems courses. Internships are arranged with private industry, government agencies, and/or nonprofit organizations. Internships may be paid or unpaid as available.

Prerequisites: Instructor permission

IT 261
Cloud Fundamentals **5**

Concepts, principles, and considerations used in storing and maintaining information. Utilizing a combination of hands-on practical exercises and clear explanation with real-word examples, students will learn to create and maintain storage options ranging from local to public cloud.

Prerequisites: IT 162 and IT 180

IT 280
Ethical Hacking and Countermeasures **5**

Ethical hacking methodology that can be used in a penetration testing or ethical hacking situation preparing students for the EC-Council ANSI accredited Certified Ethical Hacker credential 312-50. Lab intensive environment developing in-depth knowledge and practical experience with the current essential security systems. Develop understanding how perimeter defenses work and then will be led into scanning and attacking lab networks; no real network is harmed. Understand how intruders escalate privileges and what steps can be taken to secure a system through Intrusion Detection, Policy Creation, Social Engineering, Buffer Overflows and Penetration Testing.

Prerequisites: IT 245 with a grade of C or higher, or instructor permission

IT 281
Certification in Ethical Hacking and Countermeasures **3**

This course covers the learning objectives for EC-Council ANSI accredited Certified Ethical Hacker (CEH) credential 312-50. Students will receive and study authorized CEH courseware and complete practice quizzes that prepare the student for the official exam. The hands-on labs offered in IT 280 provide the student with technical experience and 281 provides CEH concepts and methodology. A passing score on exam 312-50 is required for a passing grade.

Prerequisites: IT 280, or concurrent enrollment in IT 280

INTENSIVE ENGLISH LANGUAGE

The English Preparation Program is for students admitted through the International Education Programs office. It is designed to give students the English skills they need to succeed in college level classes. Many students have continued their studies and earned Associate degrees from Everett Community College and have gone on to earn Bachelor degrees from top ranking colleges and universities throughout the USA.

In our English Preparation Program, students learn more than just the basics of conversation, reading and writing. Students also learn important skills that will help them in their college level courses and help them become familiar with college services, such as how to use the Writing Center and how to write a college level essay.

Faculty Advisors:

J. Jennings	**425-259-8745**	**jjennings@everettcc.edu**
S. Moore	**425-388-9138**	**shrmoore@everettcc.edu**

AEP 67
Academic Listening and Speaking **3-6**

Designed for non-native speakers of English to practice advanced listening and speaking skills to specifically prepare for academic environments in an American classroom. Only for students admitted through the International Programs office.

Prerequisites: Placement by oral assessment into AEP 67 or completion of IEP 65 with a grade of "C" or higher or instructor permission

AEP 77
Academic English Grammar **3**

Advanced English grammar for non-native speakers with an emphasis on sentence function and pattern, parts of speech, and punctuation. Various types of clauses, compound, complex, and compound-complex sentences will be mastered. Only for students admitted through the International Programs office.

Prerequisites: Placement by grammar assessment into AEP 77 or completion of IEP 75 with a grade of "C" or higher or instructor permission

AEP 97

Academic Reading and Writing **5**
Academic reading and writing for non-native speakers with an emphasis on paragraph development, writing process, summarizing reading materials, scanning for information, and vocabulary development. AEP 97 is equivalent to English 97 and may be substituted by English 97. Only for students admitted through the International Programs office.

Corequisites: Concurrent enrollment in, exemption from, or completion of both AEP 67 AND AEP 77 with a "C" or higher, OR instructor permission

Prerequisites: Placement by writing assessment into AEP 97 OR completion of IEP 75, IEP 85, AND IEP 95 with a grade of "C" or higher, OR instructor permission

AEP 98
Introduction to College Reading and Writing **5**
Academic reading and writing for non-native speakers in preparation for college writing, including the writing process and different styles of essay writing. Reading skills such as scanning for critical information, identifying main ideas, and supporting details. AEP 98 is equivalent to English 98 and may be substituted for English 98. *Only for students admitted through the International Programs office.

Prerequisites: Placement by writing assessment into AEP 98 OR completion of AEP 67, AEP 77, AND AEP 97 with a grade of "C" or higher OR instructor permission

IELP 70
English for Success **2 - 12**
Introduces and strengthens basic English and communication skills of new international students. Introduces international students to American culture through field trips to places of interest, guest speakers, and activities that promote interaction with their new community.

Prerequisites: Instructor permission

IEP 10
ELA Level 1 Communications **10**
First level of communications for non-native speakers. Focus on listening, speaking, reading, writing, digital literacy, and math skills necessary for transition within the IELP program. *This course is only for students admitted through the International Programs office.

Prerequisites: Placement by writing assessment into IEP 10 AND concurrent enrollment in IEP 63

IEP 20
ELA Level 2 Communications **10**
Second level of communications for non-native speakers. Focus on listening, speaking, reading, writing, digital literacy, and math skills necessary for transition within the IELP program. *This course is only for students admitted through the International Programs office.

Prerequisites: Placement by writing assessment into IEP 20 AND concurrent enrollment in IEP 63 or IEP 34 OR completion of IEP 10 and IEP 63 with a grade of "C" or higher

IEP 30
ELA Level 3 Communications **10**
English Language Acquisition skills designed to prepare students for transition to college and employability. *This class is only for students admitted through International Education.

Prerequisites: Placement by assessment into IELP 30 or instructor permission

IEP 33
ELA Beginning Grammar **3**
Basic English grammar skills to improve communication in both spoken and written forms. *This course is only for students admitted through the International Programs office.

Prerequisites: Placement by writing assessment into IEP 33

IEP 34
ELA Reading **5**
Designed to improve academic reading skills for non-native speakers of English. Focus on mastery of reading vital information for daily living skills in our community, using resources to build skills, and basic reading strategies. *This class is only for students admitted through International Education.

Prerequisites: Placement by assessment into IEP 34

IEP 63
Intensive Listening and Speaking 1 **3**
Designed to prepare non-native English speakers in gaining confidence with speaking and listening in a variety of situations with an emphasis on vocabulary and idiomatic expressions. Only for students admitted through the International Programs office.

Prerequisites: Placement by oral assessment into IEP 63 or instructor permission

IEP 65
Intensive Listening and Speaking 2 **3**
Designed to prepare non-native English speakers to utilize speaking and listening in a variety of situations with an emphasis on vocabulary and idiomatic expressions with increased fluency and accuracy. Only for students admitted through the International Programs office.

Prerequisites: Placement by oral assessment into IEP 065 or completion or IEP 063 with a grade of "C" of higher or instructor permission

IEP 73
Intensive Grammar 1 **3**
Basic English grammar for non-native speakers with an emphasis on simple and progressive present, past, and future verb tenses, use of pronouns, singular, plural, and count nouns. Parts of speech, capitalization, and punctuation are also addressed. Only for students admitted through the International Programs office.

Prerequisites: Placement by reading assessment into IEP 83 or instructor permission

IEP 75
Intensive Grammar 2 **3**
Intermediate English grammar for non-native speakers with an emphasis on verb tenses, sentence structure, and error correction. Only for students admitted through the International Programs office.

Prerequisites: Placement by grammar assessment into IEP 075 or completion or IEP 073 with a grade of "C" of higher or instructor permission

IEP 83
Intensive Reading 1 **5**
Designed to improve academic reading skills for non-native speakers of English. Focus on mastery of reading vital information for daily living skills in our community, using resources to build skills, and basic reading strategies. Only for students admitted through the International programs office.

Prerequisites: Placement by reading assessment into IEP 83 or instructor permission

IEP 85
Intensive Reading 2 **5**
Designed to improve academic reading skills for non-native speakers of English. Focus on using reading strategies for successful mastery of comprehension for academic reading, as well as improvement of critical thinking skills. Only for students admitted through the International Programs office.

Prerequisites: Placement by reading assessment into IEP 85 or completion of IEP 83 with a grade of "C" of higher or instructor permission

IEP 93
Intensive Writing 1 **5**
Designed to improve academic writing skills for non-native speakers of English. This class focuses on basic writing skills for the successful mastery of complete simple sentences with correct punctuation, utilization of descriptive vocabulary, and the writing process. Only for students admitted through the International Programs office.

Prerequisites: Placement by writing sample into IEP 93 or instructor permission

IEP 95
Intensive Writing 2 **5**
Designed to improve academic writing skills for non-native speakers of English. Focus on building writing skills for the successful mastery of complete simple sentences and improvement towards creating compound and complex sentences within a well-structured basic paragraph. Only for students admitted through the International Programs office.

Prerequisites: Placement by writing assessment into IEP 095 OR completion of IEP 073, IEP 083, AND IEP 093 with a grade of "C" or higher; OR completion of IEP 030 and IEP 034 with a grade of "C" or higher OR instructor permission

ITALIAN

See World Languages

Don't see the language you're looking for? Please visit our website at EverettCC.edu/World Languages for a list of language courses offered at Everett Community College.

JAPANESE

See World Languages

Don't see the language you're looking for? Please visit our website at EverettCC.edu/World Languages for a list of language courses offered at Everett Community College.

JAPANESE CULTURAL RESOURCE CENTER

The Japanese Cultural Resource Center (formerly Nippon Business Institute) is an undergraduate international studies program concentrating on the practical aspects of Japan - U.S. business relationships. It offers a concentration in US-Japan Intercultural Fundamentals, which provides for the development of awareness, understanding and skills in critical areas such as culture, history, business practices and the Japanese language.

The JCRC offers students a short cultural and language immersion opportunity at EvCC's sister college, Aichi Toho University, and through a relationship with Temple University in Japan, offers EvCC graduates the opportunity to complete a U.S.-based university degree in Japan.

The JCRC program also facilitates a wide array of interactions between local businesses and Japanese companies, as well as between members of our community and their Japanese friends and associates.

For more information, call the Japanese Cultural Resource Center at 425-388-9195.

JOURNALISM & MEDIA COMMUNICATION

See also Communication Studies and Written Arts.

Journalism and Media Communication courses emphasize the skills to report, write, edit, design and produce for the field of media communications. The program explores how these skills can translate to a range of professional fields, including public relations, journalism, corporate or nonprofit communication and marketing. Other coursework focuses on the value of media literacy, and why it is especially important in this era of fake news and divisive politics. Ethics, accuracy, and the power of the media are key topics in this program.

Students have the opportunity to work for a multi-channel newsgathering organization with an emphasis on the importance of a free and responsible press. They also can take complementary courses in communication studies, graphic design, web design and photography. Many graduates take advantage of a 2+2 articulation to transfer to Washington State University Everett's Integrated Strategic Communication program with a portion of major coursework already completed. These courses support the Student Core Learning Outcomes with particular emphasis on analytical thinking and effective communication.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Apply critical thinking skills to the production of a variety of journalism and media communications projects.
- Demonstrate an understanding of the function of journalism in society.
- Demonstrate an understanding of the similarities and differences between journalism and media communications, including the importance of audience and accuracy to both.
- Articulate and apply the principles of media literacy, both as a producer and consumer of mass-media content.
- Use the vocabulary of journalism and media communication.

See Communication Studies for the former JOURN 150 classes.

Faculty Advisor:
T. Wahl 425-388-9419 awahl@everettcc.edu

JOURN 101
Introduction to Journalism **5**
(H) Survey course introducing journalism history, fundamentals, and current best practices. Topics include news judgment, reporting, interviewing, news and feature writing, editing, and media law and ethics.

Prerequisites: Grade of C or higher in ENGL 98 or placement in ENGL& 101

JOURN 110
Media Writing **5**
(HP) An introduction to writing for mass media. This course examines techniques and current best practices for both journalism and media communications, and explores the differences in writing for print, multimedia and social media.

Prerequisites: ENGL 98 with a grade of C or higher or placement in ENGL& 101

JOURN 111
Multimedia Journalism **5**
(HP) Conventions of Web journalism emphasizing immediacy, interactivity, accuracy and reliability within the context of ethical journalistic practices. Requires a facility with the fundamentals of newsgathering. Effective practice of journalism in the multimedia environment of the Web, including reporting, presenting and evaluating the news.

Prerequisites: Grade of C or higher in ENGL 98 or placement in ENGL& 101

JOURN 170
Student News Media **3**
(TE) Production course for The Clipper, EvCC's student news organization. This collaborative, student-led lab sees participants exploring and applying journalism skills including ethics, writing, editing, photography, design and multimedia.

Prerequisites: JOURN 101 or instructor permission

JOURN 195
Foundation Portfolio Review **2**
Portfolio review of student's work upon successful completion of program core curricula courses. Students work individually with an assigned program instructor in evaluating their submitted portfolio to determine their readiness for advanced level courses leading to an AAS (DTA) degree.

Prerequisites: JOURN 101, JOURN 102, JOURN 110 and one quarter of JOURN 170, or instructor permission

JOURN 250
Journalism Internship **2-5**
Supervised work experience as an intern. May be with a qualified employer or in a project with a private or public agency. Students must have completed most of the required coursework and must obtain a recommendation for internship from their instructor. It is the student's responsibility to obtain the internship. Performance will be evaluated by the college instructor and the internship supervisor. Internship can apply once to AFA degree electives. May be repeated two times for credit.

Prerequisites: Instructor permission

JOURN 299
Special Projects **1-5**
Special Projects

Prerequisites: Instructor permission

LAW ENFORCEMENT

See Criminal Justice

LEARNING COMMUNITIES

Learning Communities are created through co-registration (block scheduling), that links two or more existing courses. Students take the courses together and have an opportunity for deeper understanding and integration of the subjects and materials being studied. The communities are usually structured around a theme, allowing students to think critically and to look at issues from multiple perspectives. The learning community format provides greater interaction between students and between students and teachers, and supports students by creating social networks; learning communities are a very good option for students new to the college. For more information go to EverettCC.edu/LC.

LINGUISTICS

LING 200
Introduction to Linguistic Thought **5**
(H,SS) Language as the fundamental characteristic of the human species; diversity and complexity of human languages; phonological and grammatical analysis; dimensions of language use; language and writing; impact of historical linguistics on contemporary theory.

Prerequisites: Completion of ENGL& 101 with a grade of C or higher or instructor permission

MANAGEMENT

See Business

MANUFACTURING TECH/PRECISION MACHINING

MFG T 100
Preparation for Success and Safety in Industry **5**
Introduction to standards, processes and operational procedures of the industrial and manufacturing trades, employer industry soft-skill standards and requirements for logic and communication used in industry. Understanding the expectations of manufacturing industry and its relationship to the advanced manufacturing fields in composites, engineering tech, precision machining, and mechatronics/robotics. Upon successful completion of OSHA content, student will receive an OSHA 10 Safety Certification.

MFG T 101
Introduction to Machining **5**
Introduction to machining and manufacturing processes commonly used in the industry. The course will cover setup and operations of manual milling machines, lathes, drill presses, band saws and basic blue print reading. Introduction to Mastercam will lead to the setup and operations of CNC (computer numeric controlled) 3 axis vertical mills and basic CNC lathe work.

MFG T 102
Manufacturing Employment Readiness **12**
Introduction to manufacturing trades. The knowledge and skills required for entry level positions in diverse workplace scenarios with broad emphasis on industry workforce development needs. Content includes a survey of mechanical concepts, precision measurement, blueprint reading, quality assurance, workforce skills/communication, ergonomics, lean work principles, and sustainable business practices.

Prerequisites: Completion of IEP/AEP Level 2 or placement into Level 3 AND instructor permission

MFG T 103
Machining and Manufacturing Laboratory for Engineers **2**
Introduces machining and manufacturing processes commonly used in the industry. Covers setup and operations of manual milling machines, lathes, drill presses, band saws and other shop tools along with basic blueprint reading. Introduction to the setup and operations of CNC (computer numeric controlled) 3 axis vertical mills.

MFG T 104
Machine Operator 1 **20**
Applied machinist math including measurements, basic blueprint reading, conventional lathe and mill operations, small shop tools operation and an introduction to CNC (Computer Numerical Controlled) machines. Introduction to processes and procedures, and shop safety and teamwork. May be repeated two times for credit.

Prerequisites: Eligibility for MATH 76 via a math assessment, AND permission of a MFG T 104 instructor

MFG T 105
Machine Operator 2 **20**
Course develops skills in advanced blueprint reading including understanding of Geometric Dimensioning and Tolerance; applied math skills including geometry and trigonometry, technical core skills in CNC (Computer Numerical Controlled) Machine programming and operation are further developed. May be repeated two times for credit.

Prerequisites: MFG 104 with a grade of C (2.0) or higher OR instructor permission

MFG T 107
Machining with Mastercam **4**
Introduction to the Computer Aided Manufacturing software Mastercam. Students will learn the various steps and techniques required to perform basic design operations utilizing Sketcher to create wire frame geometry, the Xform function to manipulate the geometry and the Post Processing function, to produce basic machine programs along with their associated production documents.

Prerequisites: MFG T 105 or instructor permission

MFG T 108
Numerical Control Programming with Vericut **5**
Introduction to the Computer Aided Manufacturing software Vericut. Students will be able to use the software, used for simulating CNC machining. Students will learn the various steps and techniques required to perform basic verification of operations utilizing the Vericut Software, to manipulate the geometry and the Post Processing function, to produce basic machine programs along with their associated production documents.

Prerequisites: MFG T 101or MFG T 113 or instructor permission

MFG T 109
Numerical Control Programming with CATIA **4**
Introduction to the Computer Aided Manufacturing software CATIA. Students will be able to use the software used for creating and simulating CNC machining. Students will learn the various steps and techniques required to perform basic verification of operations while utilizing the Vericut Software to manipulate the geometry and the Post Processing function and to produce basic machine programs along with their associated production documents.

Prerequisites: MFG T 101 and ENG T 185 or instructor permission

MFG T 110
Introduction to Manufacturing **3**
Provides a historical overview of manufacturing systems and organizations. Addresses elements contained in a lean manufacturing operation.

Prerequisites: ENGL 98 with a grade of C or higher or skills assessment at ENGL& 101 or higher level

MFG T 113
CNC Cutting Solutions **5**
Introduction to the waterjet cutting process, the three axis router and the fabric cutter. Students will utilize CAD/CAM software to produce programs needed to interface with each machine, learn the set-up and operational sequences, problem solve, deploy corrective actions, and inspect the parts to ensure industry standards are maintained.

MFG T 117
Blueprint Reading and Schematics **3**
Drafting fundamentals and orthographic interpretation necessary to read, manipulate and understand a mechanical part print; and schematic components, symbols and connectors used to describe electrical, electronics, pneumatics, hydraulics, and piping circuits.

MFG T 119
Introduction to Robotics **5**
Basics of robotic operation, basic programming, interfacing, and material handling in a complex mechatronic system. Students will gain conceptual, technical, and practical knowledge of robotic applications and how it's applied in industrial tasks using hands-on, interactive robotic devices. Learning topics will include basic robot operation, manual operation, homing, end effector operation, interfacing, material handling, movement and end effector commands, looping and speed commands,

and basic robot programming.

Prerequisites: Eligibility for MATH 080 and ENGL 98 AND instructor permission

MFG T 120
Electrical Components **5**
Basic functions and physical properties of electrical components, and the roles they play within a complex mechatronics system. Includes technical documentation such as data sheets, schematics, timing diagrams, and system specifications, preventative maintenance, safety issues.

By understanding the complete system, students will learn and apply trouble shooting strategies to identify, localize possible malfunctions.

Prerequisites: Eligibility for MATH 080 and ENGL 98 AND instructor permission

MFG T 121
Mechanical Components and Electrical Drives **5**
Basics of mechanical components and electrical drives in a complex mechatronics system. Students will understand the flow of energy, troubleshooting, preventive maintenance and safety issues. Students will learn basic functions and physical properties of mechanical components, electrical drives (AC and DC) and their roles in the system, increasing efficiency, reducing wear, and lubrication requirements.

Prerequisites: Eligibility for MATH 080 and ENGL 98 AND instructor permission

MFG T 122
Electro-Pneumatic and Hydraulic Control Circuits **5**
Basics of pneumatic, electro-pneumatic and hydraulic control circuits in a complex mechatronics system. Students will learn the functions and properties of control elements based on physical principles, and the roles they play within the system. Technical documents, circuit diagrams, displacement step diagrams and function charts will be covered. Students will learn and apply troubleshooting strategies, preventative maintenance, and safety issues.

Prerequisites: Eligibility for MATH 080 and ENGL 98 AND instructor permission

MFG T 123
Digital Fundamentals and Programmable Logic Controllers **4**
Fundamentals of digital logic and an introduction to programmable logic controllers (PLCs) in a complex mechatronics system with a focus on the automation system and appropriate programming software. Students will learn basic elements of PLC functions by writing and testing small programs on an actual system. Students will learn to identify malfunctioning PLCs, apply troubleshooting strategies, identify and localize problems caused by PLC hardware.

Prerequisites: Eligibility for MATH 080 and ENGL 98 AND instructor permission

MFG T 124
Controls and Instrumentation **5**
Fundamentals of controls and instrumentation troubleshooting in a mechatronics system, using knowledge of circuit boards, sensors and photo eyes; calibration and loop tuning; and final control elements, including AC, DC , and servo motors, variable speed drives, motor control, relays and motor starters. Students will build skills in troubleshooting motors and variable speed drives, adjusting speed and direction; interpreting relay logic and sizing of components for various applications.

Prerequisites: MFG T 120, MFG T 121, MFG T 122, MFG T 123 and instructor permission

MFG T 125
Mechatronics Skills Building 1 **3**
Designed for the student who is seeking more lab time to improve skills in hydraulics, mechanical and electrical components, and PLC applications. Open shop time allows student to trouble-shoot mechatronics system components to industry standards.

Prerequisites: MFG T 120, MFG T 121, MFG T 122, MFG T 123 and instructor permission.

MFG T 126
Mechatronics Skills Building 2 **3**
Designed for the student who is seeking more lab time to improve their skills in hydraulics, mechanical and electrical components, and PLC applications. Open shop time allows student to trouble-shoot mechatronics system components to industry standards.

Prerequisites: MFG T 125 and instructor permission

MFG T 130
OSHA 30 Safety **4**
The class provides basic knowledge of: OSHA's history and mission, worker rights under OSHA, employer responsibilities under OSHA, OSHA standards, OSHA inspections, and safety and health resources, including how to file an OSHA complaint.

MFG T 171
Manufacturing Internship I **1-5**
50-250 clock-hour intern program in which students focus on the fundamental shop skills required to work in a manufacturing company. Students may work either in an instructional/hands-on or solely hands-on mode. This experience may entail "job-shadowing" to learn what support functions are needed in the manufacturing environment.

Prerequisites: Instructor permission

MFG T 172
Manufacturing Internship II **1-5**
50-250 clock-hour intern program in which students may perform functions or "job shadow" in a specific area of their choosing relative to their program of study. Program focuses on student working with an expert in a manufacturing related area of the student's choice.

Prerequisites: Instructor permission

MFG T 202
LEAN Operations Management **5**
Principles and practices in converting engineering information into production information suitable for driving manufacturing operations. Includes preparing production work plans, implementing controls and reporting production activity results. Also covers inventory handling, quality control and continuous improvement plans.

Prerequisites: Eligibility for ENGL 98

MFG T 225
Machining Skills Building 1 **2**
Designed for the student who is seeking more shop time to improve their machining skills or seeking NIMS certifications. The class will provide students with open shop time to build industry standard machining skills. Students will have the opportunity to use the manufacturing equipment taught to them in MFG-T 104 and MFG-T 105. Additionally, open shop will allow students to work closely with the instructor, to work through any problems they may have encountered during their regular class time.

Prerequisites: MFG T 104 and instructor permission

MFG T 226
Machining Skills Building 2 **2**
Designed for the student who is seeking more shop time to improve their machining skills or seeking NIMS certifications. The class will provide students with open shop time to build industry standard machining skills. Students will have the opportunity to use the manufacturing equipment taught to them in MFG-T 104 and MFG-T 105. Additionally, open shop will allow students to work closely with the instructor, to work through any problems they may have encountered during their regular class time.

Prerequisites: MFG T 225 and instructor permission

MFG T 229
Manufacturing Team Project **5**
Capstone course designed to allow students to integrate knowledge they have gained of manufacturing technology and demonstrate this in a collaborative, team-based project in which they design and produce a manufactured product and a final project report.

Prerequisites: Instructor permission

MFG T 230
Manufacturing Team Project AerosPACE **5**
Through AerosPACE (Aerospace Partners for the Advancement of Collaborative Engineering), students will construct a ¬æ scale aircraft design, build, and fly project in distributed teams with members from multiple schools. Conceptualizing a project, developing and documenting a detailed design, fabricating a prototype, testing, analysis, and reporting. Students will need to commit to three quarters in duration, and be willing to travel for presentations and product demonstrations. Lab section provides access to college fabrication facilities and is an integral part of the process. Course may be repeated twice for credit.

Prerequisites: Instructor permission

MATHEMATICS

Mathematics courses provide preparation for applying quantitative skills in vocational/technical, health science/math/engineering, social science/communications, and humanities disciplines.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Analytical reasoning: assessed by evaluating students' work in graphical representations, narrative descriptions, and word problems that require analytical reasoning to complete.
- Interpret and present mathematical knowledge: assessed by evaluating students' work on graphical representations, narrative descriptions, and group work presentations.
- Make connections between mathematics and the real world: assessed by evaluating student work on assignments and presentations that require designing mathematical solutions for real-world data sets and conditions.
- Examine relationships and draw conclusions: assessed by evaluating student work on graphical representations of data and assignments that require drawing correlations between data.

Faculty Advisors:

A. Cahan	**425-388-9075**	**acahan@everettcc.edu**
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J. Yu	**425-388-9964**	**jyu@everettcc.edu**

MATH 60
Professional/Technical Math - Cosmetology **3**
Designed to meet the needs of the cosmetology student. Topics in arithmetic of whole numbers, decimals and fractions, percents, ratios and proportions, and measurement with applications.

MATH 70
Basic Mathematical Concepts with Applications **5**
Review of basic concepts in mathematics with applications related to consumer activities. Prime factorization and operations on rational numbers. Applications using ratios, proportions and percents. Equivalent to HSC 14; Credit may not be earned in both MATH 70 and HSC 14.

Prerequisites: Placement in MATH 70 or higher via an assessment test score OR permission of a math instructor

MATH 76
Mathematical Literacy **5**
Review of basic concepts in mathematics focusing on real-world applications and conceptual understanding. Topics include: prime factorizations; operations on rational numbers; evaluation of algebraic expressions; ratios, proportions, and percentages; reading graphical interpretations of data; plotting graphs; writing linear relationships using algebra. Equivalent to TS 76 and HSC 76. Credit cannot be earned in both MATH 86 and either TS 86 or HSC 86.

Prerequisites: Eligibility for MATH 76 via a math assessment

OR permission of a math instructor.

MATH 78
Review of Arithmetic and Algebra **2**
Self-paced review of arithmetic and algebra concepts in a computer-mediated lab setting. Intended as a review of arithmetic prior to enrolling in MATH 76 and/or a review of algebra concepts in order to improve mathematics course placement and pre-requisite knowledge and skills for entering MATH 76, 86, 96, &107 or &146 or PHIL& 120 or BUS 130. Upon demonstrating this knowledge, students are directly placed into MATH 76, 86, 96, &107 or &146 or PHIL& 120 or BUS 130. Topics concerning anxiety, study skills, and math course advising are also covered. May be repeated one time for credit.

Prerequisites: Placement in MATH 079 or higher via an assessment test score OR permission of a math instructor

MATH 79
Self-Paced Arithmetic and Algebra **5**
Self-paced review of arithmetic and algebra concepts in a computer-mediated lab setting. Intended as a review of arithmetic prior to enrolling in MATH 76 and/or a review of algebra concepts in order to improve mathematics course placement and pre-requisite knowledge and skills for entering MATH 76, 86, 96, &107 or &146 or PHIL& 120 or BUS 130. Upon demonstrating this knowledge, students are directly placed into MATH 76, 86, 96, &107 or &146 or PHIL& 120 or BUS 130. Topics concerning anxiety, study skills, and math course advising are also covered. May be repeated one time for credit.

Prerequisites: Placement in MATH 079 or higher via an assessment test score OR permission of a math instructor

MATH 86
Essentials of Intermediate Algebra **5**
Introductory course in mathematical reasoning, focusing on real-world applications and conceptual understanding. Topics include ratios and percentages, linear models, quadratic applications, algebraic manipulation, statistical measures of center, and geometry. Equivalent to TS 86 and HSC 86. Credit cannot be earned in both MATH 86 and either TS 86 or HSC 86.

Prerequisites: MATH 76 (or equivalent) with a C (2.0) or better OR eligibility for MATH 86 via a math assessment OR permission of a math instructor

MATH 96
Intermediate Algebra for Precalculus **5**
An intermediate algebra course designed for students pursuing careers in science, business, or engineering. Topics include function notation, systems of linear equations, absolute value equations and inequalities, polynomial operations and factoring, rational expressions and equations, rational exponents, radical expressions, quadratic equations and equations in quadratic form, quadratic functions, and exponential functions. Intended for STEM and business students.

Prerequisites: MATH 86 or MATH 091 (or equivalent) with a C (2.0) or better OR eligibility for MATH 96 via a math assessment OR permission of a math instructor

MATH 100
Survey of Mathematics **5**
(NS) Introduction to mathematical topics such as deductive and inductive reasoning, sets, Venn diagrams, numbering systems, symbolic logic, basic probability and statistics. For liberal arts and education majors.

Prerequisites: Eligibility for MATH 86 (or equivalent) or higher; OR instructor permission

MATH 106
Review of Algebra for Statistics **2**
Review of algebra critical for success in MATH& 146 (Introduction to Statistics). Students work with an instructor to master algebra topics as they arise in MATH& 146. Topics include ratios, proportions,

percentages, scatterplots, interval notation, order of operations, and linear modeling. Emphasis on reading and interpreting problems based on real-world, contextualized data sets. Intended only for students concurrently enrolled in a paired section of MATH& 146.

Corequisites: MATH& 146

MATH& 107
Math in Society **5**
(Q,NS) College-level coverage of practical applications of mathematics methods to areas of management, social sciences, biology and other fields. Topics include discrete mathematics, graph theory, probability and statistics in everyday life. For students not preparing for calculus or the sciences.

Prerequisites: Completion of MATH 86 or HSC 86 or TS 86; OR MATH 092 or MATH 96 or MATH 98 or MATH 99 (or equivalent) with a grade of C (2.0) or higher; OR placement into MATH& 107 or higher, OR permission of a math instructor

MATH 138
Applied College Algebra **5**
(Q,NS) Equations and inequalities; graphs and functions; linear, quadratic, polynomial, rational, exponential, and logarithmic functions; solving equations and systems of equations; matrices; linear programming and simplex method; mathematics of finance. For students of business, social science or some life sciences (Not intended for math, science, or engineering majors.) Graphing calculator required.

Prerequisites: Completion of MATH 092 or MATH 96 or MATH 99 (or equivalent) with a grade of C (2.0) or higher; OR placement into MATH 138 or higher, OR permission of a math instructor

MATH& 141
Precalculus I: College Algebra **5**
(Q,NS) A college level algebra course for all students needing general preparation beyond intermediate algebra. The first of a two-course sequence for students intending to take calculus beginning with MATH& 151. Principles of functions and graphs; theory of polynomial equations; graphs of polynomial and rational functions; exponential and logarithmic functions and applications; conics, foci and applications; non-linear systems; determinants and Cramer's Rule. The online version of this class requires on-campus orientation and exams; dates to be scheduled. Out-of-area students can arrange for test proctors.

Prerequisites: Completion of MATH 092 or MATH 96 or MATH 99 (or equivalent) with a grade of C (2.0) or higher; OR placement into MATH& 141 or higher OR permission of a math instructor

MATH& 142
Precalculus II: Trigonometry **5**
(Q,NS) A college level trigonometry course. The second course in a two-course sequence for students who intend to take calculus beginning with MATH& 151. Right triangle trigonometry and applications; general angle and real number trigonometry and applications; identities, inverses and trigonometric equations; introduction to polar coordinates and parametric equations; vectors and applications.

Prerequisites: MATH& 141 or equivalent with a grade of C or higher OR placement in MATH& 142 via an assessment test score OR permission of a math instructor

MATH& 144
Precalculus 1 and 2: Review **5**
(Q,NS) A refresher course in college algebra and trigonometry. Primarily intended for students who plan on taking the calculus sequence beginning with MATH& 151. Analysis of functions. Polynomial, rational, exponential, logarithmic and trigonometric functions with applications. Conic sections. Introduction to vectors.

Prerequisites: One year of high school precalculus or college equivalent; or permission of a math instructor

MATH& 146
Introduction to Statistics **5**
(Q,NS) Introductory course. Analysis of statistical studies, descriptive methods, probability, sampling distributions, hypothesis testing, confidence intervals, correlation. For students in any major.

Prerequisites: Concurrent enrollment in MATH 106 OR completion of MATH 86 (or equivalent) with a grade of C (2.0) or higher OR placement into MATH& 146 or higher OR permission of a math instructor.

MATH& 148
Business Calculus **5**
(Q,NS) One-quarter short course in calculus. Limits and continuity, differentiation and applications, exponential and logarithmic functions, integration and applications, functions of several variables. For students in business, biological sciences, social sciences, or disciplines requiring only one introductory quarter of calculus. Students who need more than one quarter should enroll in MATH& 151.

Prerequisites: MATH 138 or MATH& 141 with a grade of C (2.0) or higher OR placement in MATH& 148 or higher via an assessment OR permission of a math instructor

MATH& 151
Calculus I **5**
(Q,NS) First course in calculus sequence. Limits, continuity, differentiation and antidifferentiation of algebraic and transcendental functions with applications. For majors in engineering, science, mathematics and others requiring more than one quarter of calculus.

Prerequisites: MATH& 142 or MATH& 144 with a grade of C (2.0) or higher OR placement in MATH& 151 or higher via an assessment OR permission of a math instructor

MATH& 152
Calculus II **5**
(Q,NS) Second course in calculus sequence. Integration of algebraic and transcendental functions and applications of definite integration, including areas, volumes, work, hydrostatic force and centers of mass; polar coordinate calculus and parametric equations. Numerical techniques and improper integrals. For majors in engineering, science, mathematics and others requiring more than one quarter of calculus.

Prerequisites: MATH& 151 or equivalent with a grade of C (2.0) or higher OR permission of a math instructor.

MATH& 163
Calculus 3 **5**
(Q,NS) Third course in calculus sequence. Infinite numerical series, power series and Taylor polynomials; vectors in two and three dimensions; lines and planes; partial differentiation with applications; double integrals in rectangular and polar coordinates with applications. For majors in engineering, science, mathematics and others requiring more than two quarters of calculus.

Prerequisites: MATH& 152 or equivalent with a grade of C (2.0) or higher OR permission of a math instructor.

MATH 199
Mathematics Special Project **1 - 5**
Independent study projects on selected topics in mathematics. Credit to be arranged with supervising instructor.

Prerequisites: Instructor permission

MATH 246
Statistical Methods in Engineering and Science **5**
(Q,NS) Calculus-based probability and statistics. Probability models, conditional probability, sample spaces, independence, random variables, discrete and continuous probability distribution functions; Descriptive statistics; Statistical inference, including 1- and 2-sample hypothesis tests and confidence intervals for means and proportions, paired t test and sample size calculations; Point Estimation; Analysis of variance; Comparative experiments, tests, correlation and regression. Engineering applications are emphasized.

Prerequisites: Math& 152 or equivalent with a grade of C (2.0) or higher OR permission of a math instructor

MATH 260
Linear Algebra **5**
(Q,NS) Theory and applications of matrices, matrix operations, linear systems, determinants, Euclidean vector spaces and subspaces, linear transformations and changes of bases, eigenvalues and eigenvectors.

Prerequisites: MATH& 153 or MATH& 163 or equivalent with a grade of C (2.0) or higher OR permission of a math instructor

MATH 261
Differential Equations **5**
(Q,NS) Introductory course in ordinary differential equations. Existence and uniqueness theorems, methods of solutions of first order linear and non-linear equations, basic theory and solutions of

higher order linear equations, series solutions, systems of equations, Laplace transformations and techniques; applications.

Prerequisites: MATH& 163 or MATH& 254 or equivalent with a grade of C (2.0) or higher OR permission of a math instructor

MATH& 264
Calculus 4 **5**
(Q,NS) Fourth course in calculus sequence. Triple integrals in rectangular, cylindrical and spherical coordinates with applications, calculus of vector valued functions and space curves, analysis of motion in space, directional derivatives, gradients and applications, line and surface integrals with applications, Green' theorem, Stokes' theorem and the Divergence theorem. For majors in engineering, science, mathematics and others requiring more than three quarters of calculus.

Prerequisites: MATH& 163 or equivalent with a grade of C (2.0) or higher OR permission of a math instructor

MECHATRONICS

The Advanced Manufacturing Technology - Mechatronics Program is part of a cluster of programs. Five Associate in Technical Arts degrees and nine certificates in Advanced Manufacturing Technology are offered, and may be pursued on a full-time or part-time basis at Everett Community College (EvCC). In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Understand and explain the principal operations of the mechatronics subsystems in a complex system.
- Understand how these subsystems work together.
- Recognize potential or impending malfunctions, and contact expert assistance in order to keep the production line functioning, and to prevent production loss.
- Perform routine, preventative maintenance; localize and identify causes and sources of malfunctions where possible.
- Read and understand the technical documents, reports and outlines specific to systems and subsystems; be able to consult with experts; and be able to document malfunctions.
- Work effectively as a team member and coordinate the activities with upstream and downstream operations.
- Understand and implement safety regulations required for operation of the system.
- Be prepared for successful employment.

Faculty Advisor:
K. Ackerman 425-388-9290 kackerman@everettcc.edu

MECH 118
Predictive Maintenance and Operations Efficiency **2**
Predictive and preventive maintenance tasks and tools used in industrial applications to keep equipment in good working order, and to maximize efficiency and accuracy. Introduction to continuous improvement concepts in plant operation, maintenance, troubleshooting, and repair tasks to ensure optimal manufacturing operations.

Prerequisites: MFG T 100 and instructor permission

MECH 119
Introduction to Robotics **5**
Basics of robotic operation, basic programming, interfacing, and material handling in a complex mechatronic system. Students will gain conceptual, technical, and practical knowledge of robotic applications and how it's applied in industrial tasks using hands-on, interactive robotic devices. Learning topics will include basic robot operation, manual operation, homing, end effector operation, interfacing, material handling, movement and end effector commands, looping and speed commands, and basic robot programming.

Prerequisites: Eligibility for ENGL& 101 AND ENG T 101 or eligibility for MATH 86, AND instructor permission

MECH 120
Electrical Components **5**
Basic functions and physical properties of electrical components, and the roles they play within a complex mechatronics system. Includes technical documentation such as schematics, timing diagrams, and system specifications, safety issues. Basic electrical laws, differences between AC and DC electricity, how to use electrical equipment, how to analyze circuits, and how electrical components work. By understanding the complete system, students will learn and apply trouble shooting strategies to identify and localize possible malfunctions.

Prerequisites: ENG T 101 or eligibility for MATH 86 and ENGL 98 OR instructor permission

MECH 121
Mechanical Components and Electrical Drives **5**
Basics of mechanical components and electrical drives in a complex mechatronics system. Students will understand the flow of energy, troubleshooting, preventive maintenance and safety issues. Basic functions and physical properties of mechanical components, electrical drives and their roles in the system, increasing efficiency, reducing wear, and lubrication requirements. Students will learn about bearings, shafts, clutches, brakes, pulleys, belts, chains, sprockets, gears, couplings, alignment, and how to set them up.

Prerequisites: ENG T 101 or eligibility for MATH 86 and ENGL 98 OR instructor permission

MECH 122
Electro-Pneumatic and Hydraulic Control Circuits **5**
Basics of pneumatic, electro-pneumatic and hydraulic control circuits in a complex mechatronics system. Functions and properties of control elements based on physical principles, and the roles they play within the system as well as the functions of different components in pneumatic/hydraulic systems. Technical documents, circuit diagrams, and schematics will be covered. Students will learn and apply troubleshooting strategies, preventative maintenance, and look for safety issues.

Prerequisites: ENG T 101 or eligibility for MATH 86 and ENGL 98 OR instructor permission

MECH 123
Digital Fundamentals and Programmable Logic Controllers **4**
Fundamentals of digital logic and an introduction to programmable logic controllers (PLCs) in a complex mechatronics system with a focus on the automation system and appropriate programming software. Students will learn basic elements of PLC functions by writing and testing small programs on an actual system. Students will learn to identify malfunctioning PLCs, apply troubleshooting strategies, identify and localize problems caused by PLC hardware.

Prerequisites: MECH 120 OR instructor permission

MECH 124
Controls and Instrumentation **5**
Fundamentals of controls and instrumentation troubleshooting in a mechatronics system, using knowledge of circuit boards, sensors and photo eyes; calibration and loop tuning; and final control elements, including AC, DC , and servo motors, variable speed drives, motor control, relays and motor starters. Students will build skills in troubleshooting motors and variable speed drives, adjusting speed and direction; interpreting relay logic and sizing of components for various applications.

Prerequisites: MECH 123 OR instructor permission

MECH 219
Industrial Robotics **5**
Preparation course for the National Occupational Competency Testing Institute (NOCTI) Robotics Certification. Robot operations, frame setup, writing, modifying and executing basic motion programs, program offsets, backups and restorations, creating and modifying simulations, single axis mastering on all six axes, how to create and execute a pick and place program for load and unload applications, and how to set up and program 2D integrated vision for part offset and inspection.

Prerequisites: MECH 119

MECH 225
Mechatronics Skills Building 1 **3**
Designed for the student who is seeking more lab time to improve skills in hydraulics, mechanical and electrical components, and PLC applications. Open shop time allows student to trouble-shoot mechatronics system components to industry standards.

Prerequisites: MECH 120, MECH 121, MECH 122, MECH 123 and instructor permission

MECH 226
Mechatronics Skills Building 2 **3**
Designed for the student who is seeking more lab time to improve their skills in hydraulics, mechanical and electrical components, and PLC applications. Open shop time allows student to trouble-shoot mechatronics system components to industry standards.

Prerequisites: MECH 225 and instructor permission

MECH 295
Mechatronics Internship 1 **1 - 5**
Intern course focused on the fundamental mechatronic skills required to work in a manufacturing company. Students may work either in an instructional/ hands-on or solely hands on mode. This experience may entail "job-shadowing" to learn what support functions are needed in the manufacturing environment. Variable credit from 50-250 clock-hours.

Prerequisites: Instructor permission

MECH 296
Mechatronics Internship 2 **1 - 5**
Intern course focused on the fundamental mechatronic skills required to work in a manufacturing company. Students may work either in an instructional/ hands-on or solely hands on mode. This experience may entail "job-shadowing" to learn what support functions are needed in the manufacturing environment. Variable credit from 50-250 clock-hours.

Prerequisites: Instructor permission

MEDICAL ASSISTING

See Health Sciences

MEDICAL CODING

The Medical Coding certificate program utilizes web-based materials designed exclusively for the training of medical coders and includes overview of the healthcare system, including information management, reimbursement, and legal compliance requirements. Medical terminology, anatomy, physiology, pathophysiology and pharmacology provide the basis for accurate coding of medical records. Courses in ICD-10 CM/PCS and CPT and HCPCS Coding teach the skills necessary to assign codes while working with medical reports of increasing complexity.

The program is offered in a fully online environment and may be entered at the beginning of any quarter, and requires approximately 3 hours of work per week per credit earned. A certificate is awarded upon successful completion of this 44-credit program that prepares the student to obtain an entry-level position as a medical coder. Courses may only be taken by students enrolled in the Medical Coding or Medical Billing Specialist Programs. Prerequisite: high school diploma or equivalent.

Faculty Advisors:

M. Cranney	**425-388-9034**	**mcranney@everettcc.edu**
S. Krajewski	**425-388-9311**	**skrajewski@everettcc.edu**

MC 103
Introduction to the Administrative Medical Office **3**
Introduction to the elements and requirements of medical office administrative programs. Use of program tools and computer fundamentals are covered. Exploration of student success measures and educational and career opportunities as they relate to medical office administrative careers. Introduction to the wide range of healthcare careers and the role of each in development of a cohesive medical care team.

MC 106
Health Information, Delivery, Legal, Compliance **2**
Overview of medical records pertaining to coding and billing including health information systems and specialty coding systems, archiving of data, retrieval, maintenance, security and integrity processes, and evolution of EHR and PHR. Structure and organization of U.S. healthcare system. Legislative and regulatory processes relating to medical records and licensure, certification and accreditation. HIPAA, standards of ethical coding, and privacy and security policies. This course is only open to Medical Coding students.

Prerequisites: Instructor permission

MC 116
Healthcare Reimbursement **2**
Study of medical billing processes and guidelines with focus on reimbursement monitoring and reporting. Federal legislation, compliance strategies, and regulatory guidelines are also presented. This course is only open to Medical Coding students.

Prerequisites: MC 105 or 106 with a C or better

MC 117
Foundations in Health Information Management **4**
Overview of medical records pertaining to coding and billing including health information systems and specialty coding systems, archiving of data, retrieval, maintenance, security and integrity processes, and evolution of EHR and PHR. Structure and organization of U.S. healthcare system. Legislative and regulatory processes relating to medical records and licensure, certification and accreditation. HIPAA, standards of ethical coding, and privacy and security policies. Study of medical billing processes and guidelines with focus on reimbursement monitoring and reporting. Federal legislation, compliance strategies, and regulatory guidelines are also presented. This course is only open to Medical Coding students.

MC 118
Health Information and Delivery Systems **5**
Familiarizes healthcare professionals with basic health data structure, content, and standards; healthcare delivery systems; and information technology and systems. Study of the structure and use of health information and health information systems and specialty systems (coding); health record data collection tools, data sources, data sets, data retrieval, maintenance, security, and integrity; health record documentation and document archival, retrieval, and imaging systems; healthcare institution's structure and operation, including healthcare providers and disciplines; and external standards and regulations.

Prerequisites: MC 103 or concurrent enrollment

MC 120
Healthcare Vocabulary **5**
Study of healthcare vocabulary used in medical coding, medical billing, and other medical office administrative programs. Course includes spelling, pronunciation, meaning, medical word formation, common medical abbreviations, formation of plurals, diagnostic and lab tests. The course focuses on the administrative application of principles learned. Introduction to the use of the medical record as a source document for abstracting terms necessary to perform medical coding and other administrative functions by healthcare professionals.

MC 137
Structure and Function of the Human Body **5**
Study of the structure and function of the healthy human body utilizing a system approach. Emphasis is placed on the gross and microscopic anatomy as well as the physiology of the cell, skeletal system, muscular system, nervous system, cardiovascular, respiratory, urinary, reproductive, endocrine, and digestive systems. Includes a full body system review that links structure and function to the process of interpreting clinical documentation for medical code assignment. This is a non-lab-based course. No prior knowledge of biology or chemistry is required.

MC 139
Pathophysiology **4**
Study of disease processes, causes, and symptoms in all systems of the human body as they relate to assigning medical diagnostic and procedural codes. This course is only open to Medical Coding students.

Prerequisites: MC 120

MC 141
Basics of Pharmacology **2**
Study of drug categories, classifications, routes of administration, therapeutic effects, and drug actions (absorption, distribution, metabolism, and excretion). Includes the study of drugs in relation to common conditions and laboratory findings. Drug spelling and pronunciation. This course is only open to Medical Coding students.

Prerequisites: MC 136 or 137 with a C or higher

MC 143
Pathopharmacology **5**
A combination of pathophysiology and pharmacology, this course emphasizes disease processes affecting the human body through an integrated approach to specific disease entities, including the study of

causes, diagnosis and treatment of disease, as well as the action of drugs, including absorption, distribution, metabolism, and excretion by the body. Pathophysiology and pharmacology content emphasizes understanding of the clinical knowledge to enhance the professional communication in healthcare environments.

Prerequisites: MC 137 or equivalent

MC 146
Coding with ICD-10 CM/PCS **7**
Introduces students to official coding guidelines; provides training for use of ICD-10 CM/PCS (International Classification of Diseases, Version 10, Current Modification/Procedure Coding System) code book to correctly assign medical codes to diagnoses and procedures. Introduction to coding software to make code assignments. This course is only open to Medical Coding and Medical Billing Specialist students.

Prerequisites: MC 102; and MC 137 and MC 139 or concurrent enrollment in MC 139, or instructor permission

MC 147
Introduction to Diagnosis Coding **5**
Introduction to diagnostic coding, including principles and application of coding systems (International Classification of Diseases). Includes taxonomies, nomenclatures, terminologies, and clinical vocabularies. Use of official guidelines and other coding resources are explored.

Prerequisites: MC 103; MC 143 or concurrent enrollment

MC 149
Advanced Coding with ICD-10 CM/PCS **3**
Provides practice assigning ICD-10-CM (International Classification of Diseases, Version 10, Current Modification) diagnosis codes and ICD-10-PCS (International Classification of Diseases, Version 10, Procedure Coding System) procedure codes to a variety of coding scenarios including multiple and complex situations. Industry certification testing models (AHIMA, AAPC) are included. This course is only open to Medical Coding students.

Prerequisites: MC 146

MC 150
Principles of Procedural Coding **5**
Prepares students to analyze medical records and accurately assign CPT or HCPCS codes for clinic and hospital visits, medical procedures, and other treatment modalities. Prioritization and determination of level of code assignments are also taught.

Prerequisites: MC 145 with a C or higher.

MC 151
Introduction to Procedure Coding **5**
Introduction to the principles and application of coding systems. Prepares students to analyze medical records, apply applicable procedure coding guidelines, and to accurately assign procedural codes in various settings. Prioritization and determination of level of code assignments are also presented. Use of coding resources to assign medical codes is explored.

Prerequisites: MC 103 and MC 137

MC 161
Advanced Coding with ICD-10-CM **1**
Provides practice assigning ICD-10-CM (International Classification of Diseases, Version 10, Current Modification) diagnosis codes to a variety of coding scenarios including multiple and complex situations. This course is only open to Medical Coding students.

Prerequisites: MC 146 or 147

MC 171
Procedure Coding with ICD-10-PCS **4**
Foundations of ICD-10-PCS (International Classification of Diseases, Version 10, Procedure Coding System) coding including conventions, guidelines, and classifications. Provides practice assigning ICD-10-PCS codes and diagnostic groupings to a variety of coding scenarios and case studies including codes for inpatient admissions. This course is only open to Medical Coding students.

Prerequisites: MC 146 or MC 147

MC 180
Medical Coding Practicum **4**
Provides practice in reading healthcare scenarios to assign correct procedural and diagnostic codes. Also helps to prepare students for certification testing.

Prerequisites: MC 140, MC 145, and MC 150 with C or higher; MC 148 with C or higher or concurrent enrollment.

MC 181
Medical Coding Practicum **7**
Provides practice assigning ICD-10-CM/PCS (International Classification of Diseases, Version 10, Current Modification/Procedure Coding System), CPT (Current Procedural Terminology), and HCPCS (Healthcare Common Procedure Code System) codes to patient reports that vary in complexity and type (inpatient, outpatient, physician, emergency room, long-term care, etc.). Assignment of Present on Admission Indicators and Diagnostic Related Grouping will also be presented. This course is only open to Medical Coding students.

Prerequisites: MC 141; MC 149 or 161; MC 151; MC 171 or concurrent enrollment in MC 171

MC 218
Healthcare Reimbursement and Legal Compliance **5**
Study of the uses of coded data and health information in reimbursement and reimbursement methods appropriate to all healthcare settings. Includes contemporary prospective payment systems and key health plans, chargemaster maintenance, and evaluation of compliant billing practices. Relevant legal and compliance issues faced by clinical coders in the workplace setting will be also be presented.

Prerequisites: MC 118

MC 247
Advanced Diagnosis Coding **4**
Advanced diagnostic coding including severity of illness systems, coding compliance strategies, introduction to SNOMED, crosswalks and maps used in clinical coding processes, and case studies using more complex code assignments. Includes diagnostic related prospective payment system applications.

Prerequisites: MC 147

MC 251
Advanced Procedure Coding **4**
Advanced application of the principles of procedural coding. Students will study procedure related prospective payment system applications, including professional fee billing examples in coding (Evaluation and Management services, surgical services, etc.). Case studies and more complex code assignments using Level I and II procedure coding systems will be utilized.

Prerequisites: MC 151

MC 280
Professional Practice Experience **5**
Provides students with authentic coding practice (coding from real charts) in a healthcare setting with directed projects common to a clinical coding specialist on the job. Students gain practice combining diagnosis and procedure codes used while coding patient records. Cases vary in complexity and type (inpatient, outpatient, physician, emergency room, long-term care, etc.). Experience using encoder software will be gained.

Prerequisites: Completion of all required courses in Medical Coding

MUSIC

Music courses emphasize the development of knowledge and skills in music appreciation, history, theory and performance. The majority of Music courses satisfy the Humanities or Humanities - Performance graduation distribution requirement. For the student interested in a two-year terminal degree, EvCC offers a forty-five credit general program in music. Students wishing to transfer to a four-year institution should talk with an advisor about an appropriate plan of study.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Critically evaluate musical or theatrical performances, using terminology specific to the discipline.
- Describe the historical, social and aesthetic context of theatrical or musical works.
- Demonstrate skills and technical proficiency in a selected area of performance (acting, vocal music or instrumental music).
- Demonstrate performance skills through participation in student recitals or theatrical productions.

MUSC& 105
Music Appreciation **5**
(H) Lectures, readings, films, and recordings concerning structure, form, and aspects of music for the listener. Historic and stylistic examinations of music from its beginnings in western culture.

Prerequisites: Eligibility for ENGL& 101

MUSC 110
World Music **5**
(H,D) Introduction to the music of non-western cultures. Classical and folk traditions of Asia, traditional practices of Africa and Native America, and folk and regional styles of Europe and Latin America are studied. Focus is on history, evolution, and performance practices of these musical styles, as well as the aural identification of these musical styles. Study of music as a cultural phenomenon is emphasized including the intercultural influences found in much of the world's music that is a result of historical events such as human migrations, diasporas, invasions, and the effect of technological innovation.

Prerequisites: Eligibility for ENGL& 101

MUSC 115
Popular Music in America **5**
(H) Historical, social, and stylistic study of mainstream popular music in the 20th century, including jazz, country and western, Tin Pan Alley, Broadway musicals, and rock 'n' roll: sources, composers and performers.

Prerequisites: Eligibility for ENGL& 101

MUSC 116
Survey of Jazz **5**
(H) Historical, social, and stylistic study of the major periods of jazz, beginning with the music's African roots and progressing chronologically to the avant-garde and popular jazz of today.

Prerequisites: Eligibility for ENGL& 101

MUSC 117
Class Piano - Elementary, Intermediate **2**
(HP) Class instruction in piano. Open to all students.

MUSC 118
Class Piano - Elementary, Intermediate **2**
(HP) Class instruction in piano. Open to all students.

Prerequisites: MUSC 117 or examination.

MUSC 119
Class Piano - Elementary, Intermediate **2**
(HP) Class instruction in piano. Open to all students.

Prerequisites: MUSC 118 or examination.

MUSC 124
Class Voice I **3**
(HP) Basic principles of good singing and performance. Performance of songs from memory. Open to students at any performance level. May be repeated one time for credit.

MUSC 125
Intermediate Class Voice II **2**
(HP) Continued development of singing and performance techniques as introduced in MUSC 124. Emphasizes more advanced repertoire and styles of singing. May be repeated two times for credit.

Prerequisites: MUSC 124 or instructor permission.

MUSC 126
Singing on Stage **2**
(HP) Instruction and experience using healthy singing techniques and natural projection to sing on stage focusing on musical theater and operetta repertoires. Some singing experience recommended. May be repeated two times for credit.

Prerequisites: Instructor permission.

MUSC 128
Class Guitar **3**
(HP) Development of fundamental techniques in guitar performance. Introductory course for students with little or no experience.

MUSC 140
Performance Ensemble **2**
(HP) Vocal ensemble. Students study varied fare from madrigals to jazz and musical theater. Concerts on and off campus. May be repeated two times for credit.

Prerequisites: MUSC 124 or MUSC 125 or instructor permission by audition.

MUSC& 141
Music Theory I **5**
(H) Introduction to concepts and terminology of music including rhythm, notation, scales, key signatures, tonality, and basic chords.

MUSC 147
Everett Youth Symphony **2**
(HP) Preparation and performance of standard orchestral literature. Evenings only. Open to interested instrumentalists, maximum age 21, no minimum. May be repeated two times for credit.

Prerequisites: Audition for all new instrumentalists

NATURAL SCIENCE

Natural Science courses provide preparation for science and education disciplines. These courses satisfy the Natural Science (NS) or Natural Science Lab (NS-L) graduation distribution requirements.

Faculty Advisor:
R. Fester **425-388-9503** **rfester@everettcc.edu**

NAT S 103
Sustainability and Systems **5**
(NS) An introduction to systems thinking with an emphasis on understanding the intersection between natural and human systems. Student analysis will focus on how to make human systems more sustainable. Simple models such as population growth and more advanced case studies will be explored with concepts such as connection circles, causal loop diagrams, reinforcing (positive feedback) loops and balancing (negative feedback) loops. Exploration of the effects of time delays upon systems and identification of leverage points for sustainability will occur. Course will include use of STELLA (Systems Thinking for Education and Research) software at an introductory level.

Prerequisites: Eligibility for ENGL& 101 AND MATH 082 or MATH 86 or eligibility for MATH 96 via a math assessment; OR instructor permission

NAT S 105
Science of Music **5**
(NS-L) Explores the physical nature of music and musical instruments using hands-on experiments, demonstrations, and discussions. Lays the foundations of the scientific process through the examination of musical sound, and builds on these foundations through individual and group studies of specific families of musical instruments. Suitable for students who are majoring in the arts or who have a personal interest in music.

Prerequisites: MATH 99 or equivalent; ENGL 98 with a grade of C or higher or skills assessment at ENGL& 101 or higher

NAT S 107

Physical Science for Everybody **5**
(NS-L) Hands-on exploration of how motion, energy, and forces affect the way things work. For non-science majors. Highly recommended for elementary education majors.

Prerequisites: Eligibility for ENGL& 101 AND MATH 76 or MATH 080, or eligibility for MATH 86 via a math assessment

NAT S 150
Science of Weight Loss **5**
(NS-L) Scientific information on weight and exercise physiology. Principles of healthy weight loss. Health risks of obesity. Physiological and environmental factors that influence weight. Critical evaluation of diets. Assessment methods for determining healthy weight. Recommended for those who want to lose or maintain weight sensibly, future health care providers, future high school health and PE teachers, and those interested in health issues.

Prerequisites: Eligibility for ENGL& 101 AND MATH 76 or MATH 080 or eligibility for MATH 86 via a math assessment

NURSING

Nursing is a selective entry program that prepares students for licensure as entry level registered nurses. The Nursing prerequisites include a strong foundation in communication, humanities, and biological and social sciences, which students utilize in the subsequent nursing courses. Students integrate nursing theory and nursing practice in various settings during the Nursing Program, including campus laboratories and classrooms, acute care hospitals, long-term care facilities, and a variety of community settings. Graduates receive an Associate of Arts and Sciences in Nursing degree, after which they must satisfactorily complete the NCLEX-RN licensing exam to become registered nurses.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Participate with the patient, family, significant others, and members of the healthcare team to utilize the nursing process in the provision of patient-centered care.
- Demonstrate critical thinking skills in the delivery of patient-centered care to well and ill patients.
- Employ effective communication with patients, families, significant others, and other professionals within the context of the healthcare environment.
- Demonstrate behaviors consistent with the legal and ethical framework of nursing.
- Create an environment that promotes caring and professionalism with consideration for the patient's cultural/societal beliefs and practices.
- Utilize scientific and evidence -based knowledge, regarding alterations in health, to guide actions which promote and maintain patient-centered care.
- Demonstrate commitment, accountability, integrity, and discretionary judgment in their nursing practice.
- Recognize their role in shaping healthcare delivery.

Program requirements and application information are available at: EverettCC.edu/Nursing

Program Approval: Washington State Nursing Care Quality Assurance Commission (NCQAC), PO Box 47864, Olympia, WA 98504-7864, 360-236-4702, nursing@doh.wa.gov, www.doh.wa.gov/LicensesPermitsandCertificates/NursingCommission/NursingEducation/NursingPrograms

Program Accreditation: Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, 404-975-5000, www.acenursing.org

Faculty Advisors:

K. Boyd	**425-388-9412**	**kirboyd@everettcc.edu**
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NURS 000
Nursing Pre-Application **0**
Required non-credit class is part of the nursing application process. Must be completed before submitting application for Nursing Program.

NURS 95
Success Strategies for Nursing Study **1**
Course is designed to assist the nursing student to experience success in the nursing program. Content includes problem solving and study strategies specific to the art and science of nursing. Practice is offered in critical thinking and reasoning skills, application of the nursing process, test taking skills, and preparation for learning related to study required for nursing courses.

Prerequisites: Admission to the Nursing Program, selection by the Nursing Admission Committee.

NURS 110
Nursing Therapeutics I: Introduction to Nursing and the Client **10**
Introduction to the nursing concept of caring as framework. Concepts examined include client, nursing, health environment, nursing process, communication, teaching, learning and ethics. Labs provide demonstration opportunities for health promotion, client assessment, documentation and basic skills.

Corequisites: NURS 114/PHIL 114

Prerequisites: Acceptance into the Nursing program.

NURS 114
Ethics and Policy in Healthcare I **2**
Explores values, ethics, and legal decision-making frameworks and policies used to support the well-being of people and groups within the context of the healthcare professions. This content is embedded into and taught seamlessly with the theory content in NURS 110.

Corequisites: NURS 110

Prerequisites: Successful admission into Nursing program.

NURS 120
Nursing Therapeutics II: Chronicity and Rehabilitation **10**
Integrated view of mind/body responses to chronic health states. Incorporates rationale for intervention, nursing principles, development of cognitive, interpersonal, and technical skills essential to care of adult clients. Lab included.

Corequisites: NURS 125/PSYC 125, NURS 126/NUTR 126

Prerequisites: Completion of NURS 110 with a C or higher

NURS 125
Psychosocial Issues in Healthcare I **2**
Examines some determinants of health and illness including social, psychological, environmental, spiritual, and cultural dimensions across the lifespan and within the context of healthcare. This content incorporates knowledge acquired in prerequisites and is embedded into and taught seamlessly with the theory content in NURS 120.

Corequisites: NURS 120, NURS 126/NUTR 126

Prerequisites: NURS 110

NURS 126
Nutrition in Healthcare I **2**
This content is embedded into and taught seamlessly with the theory content in NURS 120. Principles of nutrition for the adult including the food pyramid for a healthy balanced diet, necessary micro and macronutrients in maintaining homeostasis, types of specialty diets, and guidelines for adequate nutrition needed to maintain optimal health. Additionally, the principles of assessing nutritional status is included by looking at pertinent laboratory values, calculating a patient's BMI, and assessing a patient's ability to ingest and digest their food. We look at how a patient's nutritional status is affected by chronic diseases such as Diabetes Mellitus types 1 and 2, and conditions requiring

rehabilitation, and how pharmacokinetics affects and is affected by a patient's nutritional status. The curriculum includes information and training in enteral feedings, with assessment of calorie needs as well as tube feeding rates and issues. Total Parenteral Nutrition is also introduced in this course. These classroom principles are applied practically in the clinical setting with patients in long term care facilities. Students perform assessments on their patients that include nutritional status, as well as elimination needs that can be partially addressed by their nutritional intake.

Corequisites: NURS 120, NURS 125/PSYC 125

Prerequisites: NURS 110

NURS 130
Nursing Therapeutics III: Acute Illness 10
Explores complex body system alterations. Presents nursing therapies connected with alterations. Emphasizes cognitive, interpersonal, technical activities, development of critical thinking, ability to make nursing judgments. Lab included.

Corequisites: NURS 136/NUTR 136

Prerequisites: Completion of NURS 120 with a C or higher.

NURS 136
Nutrition in Healthcare II 1
This content is embedded into and taught seamlessly with the theory content in NURS 130. Principles of nutrition for the adult with a focus on specialty diets to manage acute and chronic health alterations. Included are guidelines for meeting adequate nutritional needs in the adult patient that contribute to positive outcomes. Instruction focuses on the assessment of the patient condition and consideration of comorbidities to manage the types of diets that promote healing. Additionally, the principles of assessing nutritional status are included in looking at pertinent laboratory values, pharmacological considerations, and a patient's ability to ingest and digest their food. The curriculum includes extensive planning for managing adequate nutritional intake, as well as consulting with interprofessional health care team to meet a patient's changing nutritional needs. These classroom principles are applied practically in the clinical setting with hospitalized patients, and the students perform assessments on their patients that include nutritional status, as well as elimination needs that can be partially addressed by their nutritional intake.

Corequisites: NURS 130

Prerequisites: NURS 120

NURS 210
Nursing Therapeutics IV: Family Health and Reproduction 10
Integrated view of responses to normal growth and development from infancy-adolescence and expanding family. Nursing process and critical thinking to develop cognitive, interpersonal, technical skills appropriate for families. Lab included.

Corequisites: NURS 214/PHIL 214, NURS 216/NUTR 216

Prerequisites: Completion of NURS 130 with a C or higher

NURS 214
Ethics and Policy in Healthcare II 1
Course applies values, ethics, and legal decision-making frameworks and policies to support the well-being of people and groups within the context of the healthcare professions. This content is embedded into and taught seamlessly with the theory content in NURS 210.

Corequisites: NURS 210, NURS 216/NUTR 216

Prerequisites: NURS 130

NURS 216
Nutrition in Healthcare III 1
This content is embedded into and taught seamlessly with the theory content in NURS 210. Principles of nutrition for infant, maternal, and pediatric patients. Instruction includes guidelines for nutritional requirements at preconception, perinatal, and birth through childhood. Additionally, the principles of assessing nutritional status are included in looking at pertinent laboratory values, percentiles via a growth chart, and calculating a patient's BMI. We look at how a patient's nutritional status affects growth and development from infancy through puberty. The curriculum includes assessing for normal growth patterns, and for nutritional deficits and metabolic conditions, as well as specialty diets that promote optimal outcomes. These classroom principles are applied practically in the clinical setting with maternal-child and pediatric patients in a variety of settings.

Corequisites: NURS 210, NURS 214/PHIL 114

Prerequisites: NURS 130

NURS 220
Nursing Therapeutics V: Multisystem Disorders 10
Explores multisystem physical/mental health alterations, related nursing therapies. Emphasize cognitive, interpersonal, technical activities with clients. Students demonstrate complex skills, judgment, and collaboration with professionals in labs.

Corequisites: NURS 225/PSYC 225, NURS 226/NUTR 226

Prerequisites: Completion of NURS 210 with a C or higher.

NURS 225
Psychosocial Issues in Healthcare II 2
Examines some determinants of health and illness including social, psychological, environmental, spiritual, and cultural dimensions across the lifespan and within the context of healthcare. This content incorporates knowledge acquired in prerequisites and is embedded into and taught seamlessly with the theory content in NURS 220.

Corequisites: NURS 220, NURS 226/NUTR 226

Prerequisites: NURS 210

NURS 226
Nutrition in Healthcare IV 1
This content is embedded into and taught seamlessly with the theory content of NURS 220. Review of the principles of nutrition for the adult including the digestion, absorption, and metabolism of needed nutrients for maintenance of optimal health. Instruction includes nutritional requirements for the surgical and nonsurgical wound healing, and how a patient's nutritional status is affected by chronic and acute conditions and diseases, as well as the role nutrition plays in disease prevention. Additionally, the curriculum includes advances nutritional considerations, types of diet, and specific nutrients needed for the management of diseases and conditions such as renal failure, cancer, liver disease, diabetes mellitus types 1 and 2, burns, and HIV/AIDS. Information about the components of parenteral and total parenteral nutrition (TPN) and assessment of a patient's parenteral nutritional needs is included, along with skills training in application of this type of delivery. These classroom principles are applied practically in the clinical setting with patients in acute care facilities, and students perform assessments on their patients examining the interdependence of nutritional status, laboratory values, and disease and condition management in determining the maintenance of homeostasis.

Corequisites: NURS 220, NURS 225/PSYC 225

Prerequisites: NURS 210

NURS 230
Nursing Therapeutics VI: Role Transition into Professional Nursing 10
Aspects of professional nursing through exploration of personal values, ethics, accountability, power, politics, collective bargaining, and the business of healthcare systems. Clinical opportunities for role transitions.

Corequisites: NURS 234/PHIL 234, NURS 235/PSYC 235

Prerequisites: Completion of NURS 220 with a C or higher

NURS 234
Ethics and Policy in Healthcare III 2
Analyzes and applies values, ethics, and legal decision-making frameworks and policies used to support the well-being of people and groups within the context of the healthcare professions. This content is embedded into and taught seamlessly with the theory content in NURS 230.

Corequisites: NURS 230, NURS 235/PSYC 235

Prerequisites: NURS 220

NURS 235
Psychosocial Issues in Healthcare III 1
Examines some determinants of health and illness including social, psychological, environmental, spiritual, and cultural dimensions across the lifespan and within the context of healthcare. This content incorporates knowledge acquired in prerequisites and is embedded into and taught seamlessly with the theory content in NURS 230.

Corequisites: NURS 230, NURS 234/PHIL 234

Prerequisites: NURS 220

NUTRITION

Nutrition courses provide preparation for nutrition and other health science disciplines. These courses satisfy the Natural Science (NS) graduation distribution requirement.

Faculty Advisors:

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L. Wild 425-388-9056 lwild@everettcc.edu

NUTR& 101
Nutrition **5**

(NS) Basic principles of nutrition for pregnancy, infants, children, adolescents and adults; guidelines for healthy diet, nutrient functions and food sources; digestion, absorption and metabolism of nutrients; energy balance, weight control and sports nutrition; and the role of nutrition in physiological growth and development, maintenance of optimal health and fitness, and chronic disease prevention.

Prerequisites: Eligibility for ENGL& 101 AND eligibility for MATH 96

NUTR 120
Vegetarian Cooking: Plant-Based Food Plans for People and the Planet **3**

Nutritional benefits and disadvantages of a plant-based diet. Application of knowledge through weekly food preparation sessions for applied learning of course content to include: cultural interpretation of plant-based diets, types of vegetarian diets, plant-based diets and their impact on weight-management, health and digestion, complementarity of proteins, vitamin and mineral status, and practical application in eating away from home.

Prerequisites: Eligibility for ENGL& 101 AND eligibility for MATH 96

NUTR 126
Nutrition in Health Care I **2**

Principles of nutrition for the adult including the food pyramid for a healthy balanced diet, necessary micro and macronutrients in maintaining homeostasis, types of specialty diets, and guidelines for adequate nutrition needed to maintain optimal health. Assessing nutritional status by looking at pertinent laboratory values, calculating a patient's BMI, and assessing a patient's ability to ingest and digest their food. How a patient's nutritional status is affected by chronic diseases such as Diabetes Mellitus types 1 and 2. Conditions requiring rehabilitation, and how pharmacokinetics affects and is affected by a patient's nutritional status. Enteral feedings, with assessment of calorie needs as well as tube feeding rates and issues. Introduction to Total Parenteral Nutrition. Classroom principles are applied in the clinical setting with patients in long term care facilities. Perform assessments on patients, including nutritional status, as well as elimination needs that can be partially addressed by nutritional intake.

Corequisites: NURS 120, NURS 125/PSYC 125

Prerequisites: NURS 110

NUTR 136
Nutrition in Health Care II **1**

Principles of nutrition for the adult with a focus on specialty diets to manage acute and chronic health alterations. Guidelines for meeting adequate nutritional needs in the adult patient that contribute to positive outcomes. Assessment of the patient condition and consideration of comorbidities to manage the types of diets that promote healing. Assessing nutritional status by looking at pertinent laboratory values, pharmacological considerations, and a patient's ability to ingest and digest their food. Planning for managing adequate nutritional intake, as well as consulting with an interprofessional health care team to meet a patient's changing nutritional needs. Principles are applied in the clinical setting with hospitalized patients. Perform assessments on patients that include nutritional status, as well as elimination needs that can be partially addressed by their nutritional intake.

Corequisites: NURS 130

Prerequisites: NURS 120

NUTR 160
Sports Nutrition **5**

(NS) Introductory study of sports nutrition and its relationship to health, fitness, and athletic performance. Provides specific nutritional recommendations for individuals participating in recreational exercise as well as for competitive athletes training to improve sports performance. Includes evaluation of ergogenic aids, dietary supplements, and nutritional practices promoted to enhance athletic performance. Body composition analysis also included. Meets AAS DTA Natural Science non-lab science degree requirement (Part B).

Prerequisites: Eligibility for ENGL& 101 AND eligibility for MATH 96

NUTR 180
Sustainable Food Systems: What to Eat and Why It Matters 5

(NS-L) Study of the current food system in the U.S. and its relationship to the environment, the economy and health, particularly the nutritional health of citizens. Specific recommendations to help individuals and institutions promote and implement sustainable practices. Service learning component and weekly food preparation laboratory sessions for applied learning of course content. Exploration of environmental impact of food choices including nutrient value of foods and food safety. Two field trips.

Prerequisites: Eligibility for ENGL& 101, and MATH 86 or MATH 091 or eligibility for MATH 96 via a math assessment

NUTR 216
Nutrition in Health Care III **1**

Principles of nutrition for infant, maternal, and pediatric patients. Guidelines for nutritional requirements at preconception, perinatal, and birth through childhood. The principles of assessing nutritional status are included in looking at pertinent laboratory values, percentiles via a growth chart, and calculating a patient's BMI. How a patient's nutritional status affects growth and development from infancy through puberty. Assessing for normal growth patterns, and for nutritional deficits and metabolic conditions, as well as specialty diets that promote optimal outcomes. Principles are applied in a variety of clinical setting with maternal-child and pediatric patients.

Corequisites: NURS 210, NURS 214/PHIL 214

Prerequisites: NURS 130

NUTR 226
Nutrition in Health Care IV **1**

Review of the principles of nutrition for the adult including the digestion, absorption, and metabolism of needed nutrients for maintenance of optimal health. Nutritional requirements for surgical and nonsurgical wound healing, how a patient's nutritional status is affected by chronic and acute conditions and diseases, and the role nutrition plays in disease prevention. Nutritional considerations, types of diet, and specific nutrients needed for the management of diseases and conditions such as renal failure, cancer, liver disease, diabetes mellitus types 1 and 2, burns, and HIV/AIDS. The components of parenteral and total parenteral nutrition (TPN), assessment of a patient's parenteral nutritional needs, and skills training in application of this type of delivery. Principles are applied in the clinical setting with patients in acute care facilities. Performing assessments on patients, examining the interdependence of nutritional status, laboratory values, and disease and condition management in determining the maintenance of homeostasis.

Corequisites: NURS 220, NURS 225/PSYC 225

Prerequisites: NURS 210

OCEAN TECHNOLOGY

OCEAT 111
Ocean Technology **1-5**

Conduct ocean sampling using standard oceanographic tools and techniques. Includes techniques for sampling surface and deep water quality, composition, temperature, density, currents, salinity, turbidity, dissolved gases and solids, and plankton; as well as ocean floor sediment and marine life sampling. Determining depth and location. Analysis and interpretation of water and sediment sample data. May be repeated two times for credit.

OCEANOGRAPHY

Oceanography courses involve studying the origin, composition, structure, and motion of Earth's oceans. Oceanography 101 satisfies the Natural Science Lab (NS-L) graduation distribution requirement.

Faculty Advisor:
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OCEA& 101
Introduction to Oceanography w/Lab 5
(NS-L) Introduction to Earth's oceans, including origin and evolution of ocean basins, composition and variability of seawater, oceanic structure and circulation patterns, and marine pollution. Laboratory projects stress hands-on experiments and field experiences.

Prerequisites: Eligibility for ENGL& 101 AND MATH 76 or MATH 080 or eligibility for MATH 86 via a math assessment

OCEA 190
Regional Oceanographic Exploration 5
Introduction to the physical oceanography properties of the Salish Sea through field and lab experience. Examination of the current stakeholders of the Salish Sea as well as historical use. Field and lab experiences paired with a focus on scientific literature review and data analysis to develop applied science skills.

Prerequisites: Eligibility for ENGL& 101 and eligibility for MATH 96

OCEA 294
Oceanographic Research 1-3
In collaboration with faculty and peers, students propose, design, and conduct field/laboratory research, or propose and design an independent analysis of an existing long-term data set. After obtaining approval by a faculty mentor, students explore areas of interest, employ valid and ethical research methods, and log, document and present research progress.

Prerequisites: Instructor permission

PHILOSOPHY

To study Philosophy is to pursue the truth. It is a discipline which asks "why?" and probes for deeper answers. It requires an open mind and a desire to evaluate argumentation for its reasonableness. Philosophical investigation applies to every other discipline, from art to science, so whatever you plan to major in, Philosophy may be of interest to you. Those with a degree in Philosophy can find rewarding careers in social and community service, research, and in nonprofit organizations, museums, libraries and communications. A degree in Philosophy is also useful to those who choose to enter the clergy or go into counseling, teaching, law, business or writing.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Demonstrate knowledge of a range of facts, terminology, events, and/or methods that social scientists in various disciplines must possess in order to investigate, analyze or give a history of, or predict human, group, or societal behavior.
- Demonstrate the ability to apply classifications, principles, generalizations, theories, models, and/or structures pertinent to social scientific efforts to organize conceptual knowledge in various fields.
- Demonstrate the ability to reach conclusions/make arguments across a range of social science topics that are tied to a defensible sifting of appropriate evidence relative to the questions involved.
- Demonstrate an understanding and recognition of the diversity of perspectives, cultural understandings, and ways of thinking that others bring to bear on social science questions.

Faculty Advisors:
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PHIL& 101
Introduction to Philosophy 5
(H,SS,TE) Study of the more important questions that have shaped the development of philosophical thought throughout history. Areas of investigation include: the nature of reality, the nature of knowledge, the nature of personal identity, and the nature of the mind.

PHIL 110
Social Ethics 5
(H,SS,TE) Social-ethical study of society focusing on the 'great burning issues of the day.' Students will be encouraged to think for themselves and engage the instructor and one another in dialogue about some of the most controversial disputes of the day. The specific topics covered will vary from year to year.

PHIL 114
Ethics and Policy in Healthcare I 2
(H) Explores values, ethics, and legal decision-making frameworks and policies used to support the well-being of people and groups within the context of the healthcare professions. This content is embedded into and taught seamlessly with the theory content in NURS 110.

Corequisites: NURS 110

Prerequisites: Successful admission into EvCC Nursing Program

PHIL& 115
Critical Thinking 5
(H,SS) Focus on analyzing, evaluating, and constructing thought in clear logical fashion, with application to various fields. The criteria to be used when determining truth and falsity will also be examined. The course is a non-symbolic approach to logic and does not fulfill a quantitative skills requirement.

PHIL& 120
Symbolic Logic 5
(Q,NS) The course is a study of the methods and principles used to distinguish correct from incorrect reasoning. After establishing a few basic concepts, the course will proceed to discuss three types of symbolic logic: Categorical, Propositional, and Predicate. Students are expected to participate in working through problems and proofs presented in the text and in class.

Prerequisites: Eligibility for MATH 96 or instructor permission

PHIL 125
Ethics in 21st Century World Cinema 5
(H,SS,D) This course is a study of important approaches to moral thought using both philosophical texts and foreign films from the 21st century. Students will become better equipped to understand and critique why individuals from around the world differ in their moral judgments.

PHIL 150
Philosophy in the Cinema 5
(H) Discussions of major philosophical questions and theories as they are raised in films from a wide variety of genres, countries, and times. Consists of film presentations, class discussions, short philosophical essays, and student written work in response to these.

PHIL 214
Ethics and Policy in Healthcare II 1
(H) Course applies values, ethics, and legal decision-making frameworks and policies to support the well-being of people and groups within the context of the healthcare professions. This content is embedded into and taught seamlessly with the theory content in NURS 210.

Corequisites: NURS 210, NURS 216/NUTR 216

Prerequisites: NURS 130

PHIL 215
Ethics 5
(H,SS,TE) Study of some of the more important questions that have shaped the development of moral philosophical thought from ancient times to the present. Students will be encouraged to think for themselves and engage the instructor and one another in dialogue about the most ethically correct course of action in a wide variety of applications. Focus is on understanding why individuals differ in their moral judgments, and the tools needed to continue investigations of ethical issues.

Prerequisites: Eligibility for, or completion of, ENGL& 101

PHIL 234
Ethics and Policy in Healthcare III 2
(H) Analyzes and applies values, ethics, and legal decision-making frameworks and policies used to

support the well-being of people and groups within the context of the healthcare professions. This content is embedded into and taught seamlessly with the theory content in NURS 230.

Corequisites: NURS 230, NURS 235/PSYC 235

Prerequisites: NURS 220

PHIL 267
Philosophy of Religion **5**
(H,SS,TE) Philosophical study of religious thought focusing primarily on the religious-philosophical and theological thinking associated with Christianity but not excluding Judaism, Islam, Buddhism or Hinduism.

PHIL 360
Business Ethics **5**
Investigates ethical problems in business through ethical theories, course readings, selected articles and case studies. Involves original research and discussion of business related ethical issues such as social responsibility in corporate culture and governance, whistle-blowers, ethics in marketing and outsourcing, environmental sustainability, employee rights, and equity in hiring and advancement.

Prerequisites: Admission to the BAS in Accounting program

PHLEBOTOMY

See Health Sciences

PHOTOGRAPHY

Photography courses emphasize skill development in digital photography. The program strives to bridge the gap between the academic and the technical as well as the fine art and commercial applications of the medium.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Critique work, verbally and in writing, using the foundational language of the visual arts.
- Describe and interpret, verbally and in writing, their own and other's work in the chosen program of study.
- Demonstrate proficiency in the use of tools, techniques, and processes relevant to the chosen program of study.
- Create a body of work that demonstrates proficiency in the skills and personal creativity within the chosen program of study.
- Integrate knowledge of the chosen program of study with understanding of the social, historical and aesthetic context of artistic work.
- Describe educational and professional opportunities and objectives in the chosen program of study.

Faculty Advisors:

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PHOTO 110
Introduction to Digital Photography **5**
(HP) Introductory course in photography. Technical skills covered include DSLR camera operation, Adobe Lightroom processing techniques and output methods. Aesthetic concerns include traditional design and compositional theory. Critique sessions and written assignments encourage development of creative process, visual literacy and critical thinking. Designed for anyone interested in photography, both photo majors and non-majors.

PHOTO 111
Black and White Digital Photography **5**
(HP) Black and white imaging as the basis for learning technical skills including manual DSLR camera operation, RAW exposure, RAW Photoshop workflow, printing and presentation techniques. Aesthetic concerns include traditional design and compositional theory. Group critique sessions and written assignments encourage development of creative process, visual literacy and critical thinking. Required for AFA Photography majors.

Prerequisites: PHOTO 110 or instructor permission

PHOTO 112
Creative Explorations **5**
Third course in the Basic Photography series. Experimentation with various alternative digital processes as the basis for the study of the aesthetic, perceptual and technical theories of photography, and the exploration of the creative process. Processes may include: Digital Pinhole, Digital Infrared, Scanograms, Scanner as Camera, Use of Alternative Printing Materials, Hand Coloring and Polaroid Transfer, among other possibilities. Group critique sessions offer the opportunity for idea development, interpretation and evaluation of photographic imagery via written and verbal discussion.

Prerequisites: PHOTO 110 and PHOTO 111 or instructor permission

PHOTO 116
Workshop in Photography **3**
(TE) A workshop designed for the study of various techniques and conceptual considerations important to photography. May include traditional or non-traditional picture-making options. Students develop photographic project with instructor and class assistance. Weekly critique sessions focus on aesthetic, conceptual, and technical considerations.

Prerequisites: PHOTO 110 or PHOTO 121 or instructor permission

PHOTO 151
Photojournalism I **5**
(HP) Editorial and interpretive photography for publication. Composition and photography of people emphasized; spontaneous expressions and true character of subject. Environmental portraits; interaction in people. 35mm equipment is emphasized. Various lenses, process alterations, flash, sports. Working with editors and project deadlines.

Prerequisites: PHOTO 121

PHOTO 170
College Newspaper Photography **3**
Photojournalism for The Clipper, the college newspaper. News, features, sports, and photo-illustration. Page design and layout emphasized. Photographers work collaboratively with student editors, reporters, and co-advisors. Training for initiative and collaborative work. May be repeated two times for credit.

Prerequisites: Instructor permission

PHOTO 195
Foundation Portfolio Review **3**
Portfolio review of student's work upon successful completion of program core curricula courses. Students work with program instructors in building and evaluating a submitted portfolio to determine their readiness for advanced level courses leading to an AFA degree.

Prerequisites: ART 110, GRAPH 172, PHOTO 110, PHOTO 111, and PHOTO 230, or instructor permission

PHOTO 210
Color Theory: Concept and Practice **5**
(HP) Introduction to contemporary color theory for photographers. Explores advanced capture techniques and multiple post processing tools for color manipulation. Projects will focus on both creative development and the strengthening of practical skills from concept to presentation. Through group critiques students investigate idea development, cultural and social context, interpretation, and evaluation via verbal discussions and written statements.

Prerequisites: PHOTO 111

PHOTO 211
Advanced Processes for Digital Photography **5**
(HP) Study and application of advanced digital processes. May include but not limited to: digital pinhole photography, image restoration, advanced retouching, advanced masking and compositing methods for correction and creative purposes. Advanced printing techniques and alternative exhibition strategies also explored.

Prerequisites: PHOTO 111 or instructor permission

PHOTO 212
Visual Thesis Project **5**
(HP) Advanced students develop a body of personal work based on a project proposal, to be publicly

exhibited. The process includes a written proposal, the development of the work based on multiple critiques, an oral presentation, several written statements and the production of the work to be formally exhibited.

Prerequisites: PHOTO 111 and five 5-credit EvCC photography courses

PHOTO 230
History of Photography **5**
(H) An overview of the history of photography with attention to aesthetic and cultural context and photography's multiple functions in society. Provides the student with the concepts necessary to effectively view and interpret photographic imagery as both artistic expression and factual report.

PHOTO 243
Studio Lighting for Photo and Video **5**
Study of constant studio lighting and digital camera techniques. Includes digital camera capture and workflow, concepts in studio lighting, subject and spatial manipulation techniques applicable for use with still and/or motion photography. Equipment is provided.

Prerequisites: PHOTO 111 or instructor permission

PHOTO 244
Studio Lighting for Portraiture **5**
Study of studio and location lighting strategies for use in digital photographic portraiture. Includes strobe and flash systems, traditional and non-traditional portraiture, posing, set design, layout, and directing. Student projects and final body of work may be personal or commercial in nature. Studio strobes, flash systems, digital cameras, meters, and grip equipment provided. May work in black and white, color, or both.

Prerequisites: PHOTO 111

PHOTO 250
Photography Internship **2-5**
Supervised work experience as an intern. May be with a qualified employer or in a project with a private or public agency. Students must have completed most of the required coursework and must obtain a recommendation for internship from their instructor. It is the student's responsibility to obtain the internship. Performance will be evaluated by the college instructor and the internship supervisor. Internship can apply once to AFA degree electives. May be repeated two times for credit.

Prerequisites: Instructor permission

PHOTO 295
Professional Practices **5**
An advanced course designed for students nearing the completion of their academic work in photography. Professional practices, including interviewing, resume preparation, marketing and business practices will be presented and explored. Students assess current work, develop, edit, and design a portfolio, including collaterals that meet contemporary standards of presentation. Lectures and presentation lab exercises, guest presentations, and development of personal style exercises.

Prerequisites: Instructor permission

PHYSICAL EDUCATION, HEALTH AND WELLNESS

The Physical Education, Health and Wellness (PEHW) program provides students with the opportunity and knowledge to establish and maintain a healthy lifestyle through physical activity. A wide variety of classes are available each quarter. Activity classes are appropriate for beginning through advanced skill and fitness levels. Three credits of activity classes may be applied to the AAS Degree - DTA.

Fitness Activities

PEHW 100
Beginning Yoga **1-2**
(TE) A unique exercise program to improve fitness through development of flexibility, strength, and vitality. Special emphasis on yoga techniques for stress reduction, relaxation, posture and deep breathing. Introduction to visualization and meditation plus yogic diet, lifestyle and philosophy. May be repeated two times for credit.

PEHW 101
Intermediate Yoga **1-2**
(TE) Progressive training in yoga postures with breath techniques and sequence development. Exploration of yogic diet, lifestyle, meditation and philosophy. Demonstration of greater understanding of yoga and personal practice through teaching yoga within the classroom.

Prerequisites: PEHW 100 or Instructor permission

PEHW 102
Tai Chi **1**
(TE) Classical Chinese exercise. It is effortless, rhythmic art stressing slow breathing and relaxed postures and absolute calmness of mind. It promotes health and inner tranquility. May be repeated two times for credit.

PEHW 103
Beginning Karate **1-2**
(TE) Fundamentals of the martial art of Karate. Basic techniques with a strong emphasis on physical fitness and self-defense. Effectively increases endurance, confidence, coordination and personal strength, both physically and mentally. It is an excellent supplementary sport to increase agility. Strongly recommended for exercise and self-defense for both men and women. May be repeated two times for credit.

PEHW 104
Intermediate Karate **1-2**
(TE) Intermediate karate is the continuation of Beginning Karate/Self-Defense with emphasis on correct mental attitude, physical fitness, and self-defense. Practice on timing, agility and balance, and preparation of students for the first color belt. May be repeated two times for credit.

Prerequisites: Completion of PEHW 103 or instructor permission

PEHW 105
Advanced Karate **1-2**
(TE) Advanced Karate is the continuation of Intermediate Karate with strong emphasis on perfect execution of advanced techniques. Timing, distance, and use of the correct technique at the correct time are stressed. Strong emphasis on physical fitness and protection for men and women. May be repeated two times for credit.

Prerequisites: Completion of PEHW 104 or instructor permission

PEHW 110
International Folk Dance **1-2**
(TE) Physical and mental exercise while participating in a variety of international folk and line dances. Basic steps, formations, and dance positions of various international and American folk and line dances. May be repeated two times for credit.

PEHW 111
Kick Boxing Aerobics **1-2**
(TE) Dynamic low impact aerobic workout combining punches, jabs, and variety of kicks to strengthen upper and lower body. Effectively increases endurance, coordination, strength and balance. May be repeated two times for credit.

PEHW 113
Bench Step Aerobics **1-2**
(TE) Bench stepping for aerobic conditioning. Exercises for flexibility, strength, cross training, and step combinations, performed on a lightweight platform designed for step training. Bench step aerobics is low impact with high intensity fitness training. May be repeated two times for credit.

PEHW 114
Zumba **1-2**
(TE) Improve your fitness in aerobic exercise routines set to Latin-infused dance music. Routines feature interval training sessions with fast and slow rhythms and resistance training to help tone and sculpt the body. May be repeated two times for credit.

PEHW 116
Cardio Fusion/Core Workout **1-2**
(TE) Workout set to music is designed to train various aspects of fitness through activities such as "boot camp," High Intensity Interval Training (HIIT), circuit training, and floor and step aerobics. Stability

and BOSU¬Æ balls, weights, heavy balls, and flex tubing round out total body conditioning. Emphasis on safe and proper technique and body mechanics. No previous exercise experience is necessary.

PEHW 119
Introduction to Strength and Conditioning **1-2**
(TE) Designed for students pursuing collegiate athletics or public safety careers. Information will be provided on proper techniques and program design for weight lifting, mobility, stability, speed, and agility. Various types of periodization strategies are introduced. Recommended prerequisite: PEHW 125 or instructor permission.

PEHW 120
Circuit Fitness **1-2**
(TE) Fast fitness! Circuit fitness develops cardiovascular fitness, muscular endurance, and flexibility through the use of weight machines, treadmills, rowing machines, and exercise bikes. Improve your fitness in minimum time with maximum benefits. May be repeated two times for credit.

PEHW 121
Walk, Jog, Run **1-2**
(TE) Walk, jog, and run your way to improved fitness. Correct techniques, basic physiology, and training methods for walking, jogging, and running. May be repeated two times for credit.

PEHW 123
Spin Cycling **1-2**
(TE) Indoor stationary cycling combines basic cycling movements with motivational coaching and heart rate training to create a great cardiorespiratory workout with no impact. Designed for all fitness levels. May be repeated two times for credit.

PEHW 125
Weight Training Level 1 **1-2**
(TE) Proper resistance training techniques and program design concepts are introduced. Students create personalized workouts based on individual fitness assessments. May be repeated two times for credit.

PEHW 126
Weight Training Level 2 **1-2**
(TE) Proper resistance training techniques and program design concepts are taught in detail, building upon concepts from PEHW 125. Supersets, compound sets, and "The Big Six" movements (squat, bend/deadlift, lunge, push, pull, twist) are introduced. Students create personalized workouts based on individual fitness assessments. Various types of periodization strategies are introduced. May be repeated two times for credit.

Prerequisites: PEHW 125 or instructor permission

PEHW 128
Women on Weights **1-2**
(TE) Individualized conditioning program for various components of fitness. Strength on the stability ball, free weights, circuits, cardio/step with additional focus on learning principles of fitness to create personalized workouts. Course is open to all students. May be repeated two times for credit.

General Physical Education Courses

PEHW 201
Emergency Response **5**
(TE) Provides information and practice necessary for development of personal judgment, first aid knowledge and skills for self-help, help for others, and preparation for emergencies. Includes all levels of CPR. Successful completion of course may lead to American Red Cross "Emergency Response" and "CPR for the Professional Rescuer" certifications.

PEHW 203
Lifetime Health and Wellness **5**
(TE) Dimensions of wellness, principles of and training for health-related fitness, the relationship of lifestyle habits to chronic disease, basic nutrition, stress management, and wellness for life.

Prerequisites: Completion of ENGL 98 with a grade of C or higher, or eligibility for ENGL& 101.

PEHW 235
Consumer Health **5**
(TE) Identify reliable sources of health information; differentiate between legitimate and fraudulent nutrition, exercise, weight loss, and health product claims; select appropriate health-care providers, products, and services.

Prerequisites: Completion of ENGL 98 with grade of C or higher, or eligibility for ENGL& 101.

Sport Activities

PEHW 144
Court Games **1-2**
(TE) Fundamental techniques, terminology, rules, history, etiquette, and strategies of badminton and pickleball. May be repeated two times for credit.

PEHW 148
Volleyball **1-2**
(TE) Practice and development of volleyball skills: serving, passing, setting, and spiking. Rules and court strategy through team play. May be repeated two times for credit.

PEHW 149
Basketball **1-2**
(TE) Basketball techniques and skills: dribbling, passing, shooting. Practice and development of offensive and defensive strategy through competitive play. May be repeated two times for credit.

PEHW 150
Soccer **1-2**
(TE) Designed for students who wish to improve their knowledge and skill in the sport of soccer. Information will be provided on proper techniques and appropriate drills to help develop skills which foster athleticism, speed and agility. Various game strategies and styles of play will be introduced.

PHYSICAL SCIENCE

See Atmospheric Science, Geology, Oceanography, Physics

PHYSICS

Physics courses provide preparation for science, math, pre-medicine and engineering disciplines. These courses satisfy the Natural Science Lab (NS-L) graduation distribution requirement.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Demonstrate the use of analytical skills in solving scientific problems.
- Demonstrate an understanding of the nature of science and the scientific process.
- Communicate scientific information to others

Faculty Advisors:

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Engineering Physics

This series of courses is intended for those who seek to transfer into an Engineering or Physical Science program at a four-year institution. Lectures emphasize problem-solving techniques as applied to concepts from classical physics. Laboratory focuses on developing experimental and analytical techniques that will allow students to complete an independent laboratory research project.

PHYS& 231
Engineering Physics I Laboratory **1.5**
(NS-L) Basic techniques of analysis useful for modeling experimental results and uncertainties. Working effectively as part of a team. Scientific and engineering report writing. Developing independent research

skills. Offered concurrently with PHYS& 241; course material does not directly parallel PHYS& 241 course material.

Corequisites: PHYS& 241 or instructor permission.

PHYS& 232
Engineering Physics II Laboratory **1.5**
(NS-L) Basic techniques of analysis useful for modeling experimental results and uncertainties. Working effectively as part of a team. Scientific and engineering report writing. Developing independent research skills. Offered concurrently with PHYS& 242; course material does not directly parallel PHYS& 242 course material.

Corequisites: PHYS& 242 or instructor permission.

PHYS& 233
Engineering Physics III Laboratory **1.5**
(NS-L) Development and completion of team-designed experiment(s) utilizing instructor-approved topics. Production of a publication-quality report of results. Offered concurrently with PHYS& 243.

Corequisites: PHYS& 243 or instructor permission.

Prerequisites: PHYS 130 or ART 130.

PHYS& 241
Engineering Physics I **4**
(NS-L) Mechanics. First quarter of one-year calculus-based sequence (PHYS& 241-243) in classical and modern physics for engineering majors and most science majors planning to transfer.

Corequisites: PHYS& 231

Prerequisites: Grade of C or higher in MATH& 151; Grade of C or higher in PHYS& 114 or passing Physics Placement test; Eligibility for ENGL& 101

PHYS& 242
Engineering Physics II **4**
(NS-L) Thermodynamics and Waves. Second quarter of one-year calculus-based sequence (PHYS& 241-243) in classical and modern physics for engineering majors and most science majors planning to transfer.

Corequisites: PHYS& 232

Prerequisites: PHYS& 241, MATH& 152

PHYS& 243
Engineering Physics III **4**
(NS-L) Electromagnetism. Third quarter of one-year calculus-based sequence (PHYS& 241-243) in classical and modern physics for engineering majors and most science majors planning to transfer.

Corequisites: PHYS& 233

Prerequisites: PHYS& 242, and MATH& 153 or MATH& 163

General Physics

Laboratory science courses for liberal arts students and those in pre-professional programs not requiring calculus-based physics. Emphasis on historical development, experimental methods, basic problem-solving skills, and relationships between physics and other areas of study.

PHYS 102
Concepts and Connections **5**
(NS-L) Laboratory-based introduction to physics that explores the nature of the universe using classical and modern theories of physics. Emphasizes the historical development of these theories and the scientific method and role of measurement in science. Emphasizes conceptual rather than mathematical understanding of physics.

Prerequisites: Eligibility for ENGL& 101 AND MATH 092 or MATH 96 or MATH 99, or eligibility for MATH& 141 via a math assessment

PHYS& 114
General Physics I **5**
(NS-L) First course in a one-year algebra-based General Physics sequence (PHYS& 114-116). Topics include motion, force, momentum and energy.

Prerequisites: Eligibility for ENGL& 101; and completion of (or concurrent enrollment in) MATH& 142 or MATH& 144 or equivalent

PHYS& 115
General Physics II **5**
(NS-L) Second course in a one-year algebra-based General Physics sequence (PHYS& 114-116). Topics include periodic motion, mechanical waves and thermodynamics.

Prerequisites: PHYS& 114, and MATH 138 or MATH& 142 or MATH& 144 or equivalent

PHYS& 116
General Physics III **5**
(NS-L) Third course in a one-year algebra-based General Physics sequence (PHYS& 114-116). Topics include electromagnetism and light. (Formerly PHYS& 123).

Prerequisites: PHYS& 114, and MATH& 142 or MATH& 144, or equivalent

PHYS 130
Fabrication Skills and Safety **1**
Designed to introduce students to the tools used in woodworking and metal fabrication, instruct students in proper use of these tools and safety protocols associated with the tools and a shop in general. This course is a prerequisite for use of tools in the physics/engineering shop and 3-D arts studio. Credit cannot be earned in both PHYS 130 and ART 130.

POLITICAL SCIENCE

Political science involves the critical study of governing institutions, interest groups, mass media, law, and public policy options with special emphasis on the importance of democratic citizen participation in the following courses: American Government, Introduction to Politics, International Relations, and Politics of Diversity. All political science courses can be counted towards either social science distribution credits or elective credits. Those who earn a degree in political science can pursue a wide variety of careers both in the public and private sectors.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Demonstrate knowledge of a range of facts, terminology, events, and/or methods that social scientists in various disciplines must possess in order to investigate, analyze or give a history of, or predict human, group, or societal behavior.
- Demonstrate the ability to apply classifications, principles, generalizations, theories, models, and/or structures pertinent to social scientific efforts to organize conceptual knowledge in various fields.
- Demonstrate the ability to reach conclusions/make arguments across a range of social science topics that are tied to a defensible sifting of appropriate evidence relative to the questions involved.
- Demonstrate an understanding and recognition of the diversity of perspectives, cultural understandings, and ways of thinking that others bring to bear on social science questions.

Faculty Advisors:

S. Horn	**425-388-9394**	**shorn@everettcc.edu**
G. Newlin	**425-388-9145**	**gnewlin@everettcc.edu**

POLS& 101
Introduction to Political Science **5**
(SS) Consideration of fundamental and enduring political questions as addressed by philosophers, novelists, playwrights and essayists, as well as political scientists. What is politics? What difference does it make? How do political systems begin? What is political control? What are the threats to political control? What are the similarities and differences in political systems? How are such systems evaluated? How do they change? Can morality inform politics?

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission

POLS 182
Service Learning **1-2**
Service Learning combines the opportunity of volunteerism with academic applications of social, economic, and political issues important to the local community. Provides for real-life application of skills and knowledge that extends learning beyond the classroom and into the community. May be repeated up to six credits.

Prerequisites: Instructor permission

POLS& 200
Introduction to Law **5**
(SS) Legal institutions and processes, law as a system of social thought and behavior and a framework in which rival claims are resolved; legal reasoning; law as a process of protecting and facilitating voluntary arrangements in a business environment. Required law course for University of Washington business transfer students.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission

POLS& 202
American Government **5**
(SS) Introductory analysis of the process by which policy is made at the national level in the United States. Constitutional origins and development; ideology; influence through public opinion and media, parties and elections; interest groups and PACs; policy-making by Congress, Presidency and courts; policies, including civil rights and civil liberties.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission

POLS& 203
International Relations **5**
(SS) Introductory analysis of relations between and among nation states and other actors in the global system. Nationalism and its expressions; alternatives to nationalism; formulating and implementing foreign policy; instruments of and restraints on power; major global problems; future scenarios.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission

POLS& 204
Comparative Government **5**
(SS) Introductory comparative analysis of national political systems, including those identified as Western Democratic, Authoritarian and Transitional. Levels of development; ideologies; constitutions; forms of participation; structures of government; policies.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission

POLS 205
State and Local Politics **5**
(SS) Introductory analysis of the process by which policy is made at the subnational level in the United States. Theory of federalism; principles and practices of American federalism; varieties of state environments and experience; political cultures and constitutions; state governments, local governments and their relationship; problems and policies at state and local levels.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission

POLS 210
The Politics of Diversity **5**
(SS,D) Introductory analysis of majority/minority relations in the American experience; the political meaning of majority and minority status; strategies employed by majority to maintain status; strategies employed by groups with minority status to enhance their power, including assimilation, accommodation, separatism, and radicalism; case studies of groups exemplifying these strategies; future prospects for success of these strategies.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission

PSYCHOLOGY

The science of psychology looks at the complexities of individual human behavior. It is a broad spectrum of science which looks at the individual determinants of behaviors through examining social influences, physiological mechanisms, and cognitive development. The science of psychology helps us understand the individual differences in human behavior as well as the richness and complexities of the human experience.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Demonstrate knowledge of a range of facts, terminology, events, and/or methods that social scientists in various disciplines must possess in order to investigate, analyze or give a history of, or predict human, group, or societal behavior.
- Demonstrate the ability to apply classifications, principles, generalizations, theories, models, and/or structures pertinent to social scientific efforts to organize conceptual knowledge in various fields.
- Demonstrate the ability to reach conclusions/make arguments across a range of social science topics that are tied to a defensible sifting of appropriate evidence relative to the questions involved.
- Demonstrate an understanding and recognition of the diversity of perspectives, cultural understandings, and ways of thinking that others bring to bear on social science questions.

Faculty Advisors:

D. Brown	**425-388-9575**	**dbrown@everettcc.edu**
G. Gungor-Munoz	**425-388-9049**	**ggungor@everettcc.edu**
G. Kim	**425-388-9964**	**gkim@everettcc.edu**
B. Kuwada	**425-388-9269**	**bkuwada@everettcc.edu**

PSYC& 100
General Psychology **5**
(SS) Psychology as a science focusing on five major theoretical perspectives in contemporary psychology: biological, cognitive, humanistic, psychoanalytical and learning. Topics include the nervous system, heredity and maturation, sensory processes, perception and attention, statistical concepts, motivation, emotion, intelligence, learning and remembering, thinking, personality, adjustment, and social and abnormal behavior.

Prerequisites: Completion of ENGL 98 with a grade of C or higher, or eligibility for ENGL& 101, or instructor's permission.

PSYC 125
Psychosocial Issues in Healthcare I **2**
(SS) Examines some determinants of health and illness including social, psychological, environmental, spiritual, and cultural dimensions across the lifespan and within the context of healthcare. This content incorporates knowledge acquired in prerequisites and is embedded into and taught seamlessly with the theory content in NURS 120.

Corequisites: NURS 120, NURS 126/NUTR 126

Prerequisites: NURS 110

PSYC 150
Psychology and Sociology in the Cinema **5**
(SS) Application of major psychological and sociological theories and concepts to understanding human experience and behavior as it is dramatized in selected feature films. Course format consisting of film presentations, class discussion and student written work.

Prerequisites: PSYC& 100 or SOC& 101 or equivalent or concurrent enrollment in one of these classes. Completion of ENGL 98 with a grade of C or higher, or eligibility for ENGL& 101, or instructor permission.

PSYC 180
Drugs, Behavior and Society **5**
(SS) Introduction to psychopharmacology (the study of the effects of drugs on the brain and behavior) and the processes of drug addiction. An overview of drug use historically and in contemporary society

from community and biopsychosocial perspectives. Examines strategies for drug abuse prevention/education and intervention approaches. Explores issues surrounding drug use and its relationship to crime, medicalization in our society, and various movements aimed at drugs.

Prerequisites: Eligibility for ENGL& 101, or instructor permission

PSYC 182
Service Learning **1-2**
Service Learning combines the opportunity of volunteerism with academic applications of social, economic, and political issues important to the local community. Provides for real-life application of skills and knowledge that extends learning beyond the classroom and into the community. May be repeated up to six credits.

Prerequisites: Instructor permission.

PSYC& 200
Lifespan Psychology **5**
(SS) Study of quantitative and qualitative developmental changes that occur throughout the human lifespan. Emphasis on understanding physical, emotional, social and cognitive development.

Prerequisites: PSYC& 100 with a grade of C or higher or instructor permission. Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101, or instructor permission.

PSYC 205
Introduction to Personality **5**
(SS) Examination of theoretical approaches to personality, major philosophical positions, experimental methods, and data used in evaluating various personality theories.

Prerequisites: PSYC& 100 with C or higher or SOC& 101 with C or higher, or instructor permission. Completion of ENGL 98 with C or higher or eligibility for ENGL& 101, or instructor permission.

PSYC 209
Research Methods in the Social Sciences **5**
(SS) Overview of the scientific method as used in the social sciences. Major topics include the principles of empirical science, hypothesis generation and testing, research design, data analysis and interpretation, the dissemination of scientific knowledge, and ethical issues in research. Credit cannot be earned in both PSYC 209 and SOC 209.

Prerequisites: Any 100-level Social Sciences course with a grade of C or higher; and ENGL 98 with a grade of C or higher or eligibility for ENGL& 101; and MATH 99 or equivalent with a grade of C or higher, or instructor permission.

PSYC 210
Human Sexuality **5**
(D,SS) Survey of biological, psychological, and social determinants of human sexuality and sexual behavior from diverse perspectives as they relate to culture, gender, sexual orientation, disabilities, and age. Topics include cultural diversity, sexual development (physical and psychological), sexual health, reproduction (pregnancy, contraception, abortion), development of sex, gender and sexual orientation, lifespan sexuality, and adult sexual relationships.

Prerequisites: PSYC& 100 with a grade of C or higher or instructor permission. Completion of ENGL 98 or ESL 98 or IELP 98 with a grade of C or higher or eligibility for ENGL& 101, or instructor permission.

PSYC& 220
Abnormal Psychology **5**
(SS) Description, development, and dynamics of behavior disorders and personality as related to contemporary conditions of life. Investigation of techniques used or available to modify behavior.

Prerequisites: PSYC& 100 with grade of C or higher or instructor permission. Completion of ENGL 98 with grade of C or higher, or eligibility for ENGL& 101, or instructor permission.

PSYC 225
Psychosocial Issues in Healthcare II **2**
(SS) Examines some determinants of health and illness including social, psychological, environmental, spiritual, and cultural dimensions across the lifespan and within the context of healthcare. This content incorporates knowledge acquired in prerequisites and is embedded into and taught seamlessly with the theory content in NURS 220.

Corequisites: NURS 220, NURS 226/NUTR 226

Prerequisites: NURS 210

PSYC 230
Human Cognition, Learning and Motivation **5**
(SS) Course aims at establishing enduring links between psychological theory, research, and their classroom applications. The focus of PSYC 230 is on cognitive, motivational, and affective development in children and adolescents. Specifically, this body of knowledge comprises biological, perceptual, cognitive, social, and moral development. Course includes reviews and examinations of contemporary educational trends and their impact on individual learning, the school system, and the community.

Prerequisites: PSYC& 100 with a grade of C or higher and placement in or completion of ENGL& 101, or instructor permission

PSYC 235
Psychosocial Issues in Healthcare III **1**
(SS) Examines some determinants of health and illness including social, psychological, environmental, spiritual, and cultural dimensions across the lifespan and within the context of healthcare. This content incorporates knowledge acquired in prerequisites and is embedded into and taught seamlessly with the theory content in NURS 230.

Corequisites: NURS 230, NURS 234/NUTR 234

Prerequisites: NURS 220

PSYC 240
Social Psychology **5**
(SS) Scientific study of the way individuals think, feel and behave in social situations. It applies the scientific method of systematic observation, description, and measurement to the study of individuals in various social situations. Theories and research include person perception, attraction, aggression, altruism, attitudes and attribution. Also offered as SOC 240. Credit may not be earned in both PSYC 240 and SOC 240.

Prerequisites: PSYC& 100 with a grade of C or higher, or SOC& 101 with a grade of C or higher, or instructor permission. Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101, or instructor permission.

PSYC 256
Special Topics: Psychology Seminar **3-5**
Introduction to contemporary or classic psychological topics. Quarter topics will be determined by faculty or student interest/demand. This format allows for interdisciplinary approaches that include the concept of learning communities. Intended to examine in-depth, current or traditional, psychological issues that normally cannot be examined at this level of interaction-participation in large survey courses. May be repeated two times for credit.

Prerequisites: Completion of any Social Sciences course at or above 100 with a grade of C or higher, and ENGL& 101; or instructor permission

RADIOLOGIC TECHNOLOGY

EvCC offers courses that prepare students to apply for admission to the Radiologic Technology degree program at Bellingham Technical College. Upon completion of prerequisite courses at EvCC, students who live in the Everett vicinity may apply for admission to a 21-month full-time program in RT, including the specific RT classes and clinicals. Successful completion results in an Associate in Applied Science degree awarded by Bellingham Technical College. Program graduates are eligible to take the national certification exam administered by the American Registry of Radiologic Technologists. This program is a partnership among several community colleges in this region.

For more information contact:

- Bellingham Technical College, 360-738-3105
- EvCC Entry Advising, 425-388-9339

Faculty Advisors:

A. Brackett	**425-388-9039**	**abrackett@everettcc.edu**
V. Mosser	**425-388-9964**	**vmosser@everettcc.edu**

RUSSIAN

See World Languages

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SCIENCE PROGRAMS

Science courses provide preparation for a wide range of science, math, pre-medicine, health sciences, technology and engineering disciplines. Most of these courses satisfy either the Natural Science (NS) or Natural Science Lab (NS-L) graduation distribution requirement.

For specific science course offerings, refer to the following catalog headings: Astronomy, Atmospheric Science, Biology, Botany, Chemistry, Engineering, Environmental Science, Geology, Natural Science, Nutrition, Physics.

Faculty Advisors:

R. Fester	**425-388-9503**	**rfester@everettcc.edu**
A. Vanture	**425-388-9556**	**avanture@everettcc.edu**

SOCIOLOGY

Sociologists explore how social forces shape our everyday lives. Sociology courses provide the skills and knowledge necessary to better understand both local and global social issues. Sociological knowledge is useful for all citizens, and will be especially valuable for students who are planning careers in fields such as human services, medicine, education, law, and business.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Demonstrate knowledge of a range of facts, terminology, events, and/or methods that social scientists in various disciplines must possess in order to investigate, analyze or give a history of, or predict human, group, or societal behavior.
- Demonstrate the ability to apply classifications, principles, generalizations, theories, models, and/or structures, pertinent to social scientific efforts to organize conceptual knowledge in various fields.
- Demonstrate the ability to reach conclusions/make arguments across a range of social science topics that are tied to a defensible sifting of appropriate evidence relative to the questions involved.
- Demonstrate an understanding and recognition of the diversity of perspectives, cultural understandings, and ways of thinking that others bring to bear on social sciences.

Faculty Advisors:

B. Farb	**425-388-9387**	**bfarb@everettcc.edu**
O. Marquez	**425-388-9342**	**omarquez@everettcc.edu**

SOC& 101
Introduction to Sociology **5**
(SS) Study of society. General survey of cultural and social systems and their relationship to the lives of individuals.

Prerequisites: Completion of ENGL 98 with a grade of C or higher, or eligibility for ENGL& 101 or instructor permission

SOC 150
Psychology and Sociology in the Cinema **5**
(SS) Application of major psychological and sociological theories and concepts to understanding human experience and behavior as it is dramatized in selected feature films. Course format consists of film presentations, class discussion and student written work. Credit may not be earned in both SOC 150 and PSYC 150.

Prerequisites: SOC& 101 or PSYC& 100 or equivalent or concurrent enrollment in one of these classes. Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission.

SOC 160
Gender and Society **5**
(SS) Exploration of the impact of gender roles on people's lives. Historical and cultural differences in gender roles. Changes in family and work roles, and movements for equality.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission

SOC 170D
Introduction to Power and Privilege **5**
(D,H,SS) Introductory survey of the individual and institutional issues of power and privilege in the United States. Explores historical, structural, and institutional biases, responses, behaviors, and practices that impact individuals and groups. Analysis of the ways that race, gender, sexuality, socio-economic status, ability, and religion influence the dominant U.S. culture, as well as the ways that individuals and groups have challenged and resisted these norms in search of a just society.

Prerequisites: Eligibility for ENGL& 101

SOC 182
Service Learning **1-2**
Service Learning combines the opportunity of volunteerism with academic applications of social, economic and political issues important to the local community. Provides for real-life application of skills and knowledge that extends learning beyond the classroom and into the community. A maximum of six credits may be earned.

Prerequisites: Completion of ENGL 98 with grade of C or higher or eligibility for ENGL& 101 and instructor permission

SOC& 201
Social Problems **5**
(SS) Analysis of structural factors contributing to various social problems. Study of theoretical, historical and practical models to resolve these problems.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission

SOC 209
Research Methods in the Social Sciences **5**
(SS) This course will provide an overview of the scientific method as used in the social sciences. Major topics include the principles of empirical science, hypothesis generation and testing, research design, data analysis and interpretation, the dissemination of scientific knowledge, and ethical issues in research. Credit cannot be earned in both PSYC 209 and SOC 209.

Prerequisites: Any 100-level Social Sciences course with a grade of C or higher; and ENGL 98 with a grade of C or higher or eligibility for ENGL& 101; and MATH 99 with a C or higher or skills assessment at MATH 100 or higher level or instructor permission

SOC 220
The Family **5**
(SS,D) Analysis of the family as a social institution utilizing cross-cultural, historical, and contemporary perspectives. Examination of the changing conceptions of family, emergent norms, family crises, and the effects of public policy.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission

SOC 230
Human Ecology **5**
(SS) Examination of world environmental crises from a sociological perspective; exploration of shifting cultural paradigms concerning humans' relation to nature; study of population, technology, consumption of resources, and possibilities for reducing our impact on the planet.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission

SOC 233
Sociology of Nonviolence **5**
(SS) Explores the social and political foundations of nonviolence in a variety of social institutions and

settings: interpersonal, community, national and international. Discussion of secular and religious approaches to nonviolence for both individual and society; exploration of the relationship of social ideals like peace to other social goals such as justice, security, and freedom; and research into various social and political movements based in theories of nonviolence.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission

SOC 240
Social Psychology **5**
(SS) Social psychology is the scientific study of the way individuals think, feel and behave in social situations. It applies the scientific method of systematic observation, description, and measurement to the study of individuals in various social situations. Theories and research include person perception, attraction, aggression, altruism, attitudes and attribution. Also offered as PSYC 240. Credit may not be earned in both SOC 240 and PSYC 240.

Prerequisites: SOC& 101 or PSYC& 100. Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission

SOC 248
Women, Religion and Society **5**
(H,SS) Survey of the roles, beliefs, attitudes and practices related to women's spiritual lives in the major world religions and several of the indigenous traditions. Also offered as HUM 248. Credit may not be earned in both HUM 248 and SOC 248.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101

SOC 255
Medicine across Cultures **5**
(SS,D) Cross-cultural analysis of the environmental, historical, biological and cultural contributions to illness and health. Also offered as ANTH 255. Credit may not be earned in both SOC 255 and ANTH 255. Writing assignments represent a significant component of coursework.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101

SOC 257
Sociology of Religion **5**
(SS) Explores the social foundation of religious experience and institutions. Discussion of the various approaches to the sociological study of religion for both the individual and society; the role of religion in social conflict, social control and social change; and the social construction of religious beliefs and institutions. A variety of religious perspectives will be explored, including the world religions, the shamanic traditions and new religious movements.

Prerequisites: Completion of ENGL 98 with a grade of C or higher or eligibility for ENGL& 101 or instructor permission

SPANISH

See World Languages

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SPEECH

See Communication Studies

STEM - SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS

STEM 101
College Success in STEM **2**
Orientation to academic and career opportunities in Science, Technology, Engineering and Math (STEM). Introduction to functions, responsibilities and characteristics of professionals in STEM related disciplines. Includes presentations by guest speakers from industry and universities sampling the breadth of educational and professional options. Development of academic and personal skills and attitudes that promote success in college study. Satisfies COLL 101 requirement for new degree seeking students.

STEM 102
Equity in STEM through Community-centered Experiences **3-5**
Project-based introduction to science, technology, engineering, and mathematics (STEM), focusing on introductory skills in problem solving, mathematical reasoning, and communication. Working in teams, students will contribute to a quarter-long environmental justice project designed to explore various STEM disciplines (i.e. chemistry, biology, and physics) and their interconnectedness. Content will include application of developmental math concepts; units and dimensions; precision and tolerance; teamwork skills; and an introduction to basic software applications.

STEM 103
Introductory Scripting using Python **3-5**
Introductory course for students interested in Science, Technology, Engineering, and Mathematics (STEM) to gain familiarity with programming concepts using Python, while focusing on problem-solving, reasoning, and communication. The course will use datasets from fields such as astronomy, biology, linguistics, oceanography, open government, social networks, and more. The course will include group work and multi-day projects.

Prerequisites: Eligibility for MATH 96 or concurrent enrollment in MATH 86 or TS 86

STEM 298
Interdisciplinary Design Project **1-2**
(TE) Design projects open to all students in design and manufacturing related fields. Class structure guides interdisciplinary student teams through a process of conceptualizing a project, developing and documenting a detailed design, fabricating a prototype, testing, analysis, and reporting. All students are engaged in all aspects of their project regardless of their home program or discipline. Design projects may be oriented toward regional design competitions. Specific project requirements are tailored to students' educational and practical experience levels. Course may be repeated for credit, enabling students to pursue projects one to three quarters in duration. Lab section provides access to college fabrication facilities and is optional.

Prerequisites: Instruction permission

TECHNICAL DESIGN (CAD)

See Engineering Technology

The Technical Design program offers a certificate or ATA degree to students seeking entry into or career advancement in CAD based design technology. The overall program is designed for maximum flexibility, and may be pursued on a full-time or part-time basis.

Faculty Advisor:
D. Primacio **425-267-0160** **dprimacio@everettcc.edu**

THEATRE

See Drama

TRANSITIONAL STUDIES

EvCC's Transitional Studies Division helps students improve their basic skills, upgrade job skills, and prepare for college-level courses. Classes are offered in the day and evening, both on- and off-campus. Students can take classes to finish high school, earn a GED, learn to speak English, and learn basic reading, writing, and math skills.

All students must take a placement test to determine what level they need to begin their studies. Orientation and registration information is available through the Transitional Studies Division Office, Rainier Hall 227, 425-388-9339.

Faculty Advisors:

N. Benedetti	**425-388-9377**	**nbenedetti@everettcc.edu**
J. Jennings	**425-259-8745**	**jjennings@everettcc.edu**
S. Moore	**425-388-9138**	**shrmoore@everettcc.edu**
L. Serven	**425-259-8749**	**lserven@everettcc.edu**

ELA 10 **ELA**
Level 1 Communications **10**
First level of communications for non-native speakers. Focus on listening, speaking, reading, writing,

digital literacy, and math skills necessary for transition to college and employment.

Prerequisites: Transitional Studies / ELA Orientation and CASAS testing placement, or instructor's permission

ELA 20
ELA Level 2 Communications **10**
Second level of communications for non-native speakers. Focus on listening, speaking, reading, writing, digital literacy, and math skills necessary for transition to college and employment.

Prerequisites: Transitional Studies / ELA Orientation and CASAS testing placement, completion of ELA 10 with a grade of C or better, or instructor's permission

ELA 30
ELA Level 3 Communications **10**
Third level of communications for non-native speakers. Focus on listening, speaking, reading, writing, digital literacy, and math skills necessary for transition to college and employment.

Prerequisites: Transitional Studies / ELA Orientation and CASAS testing placement, completion of ELA 20 with a grade of C or better, or instructor's permission

ELA 32
ELA Conversation **3**
Equips students with basic English listening and speaking skills. Intended for students taking or eligible to take ELA 20 or ELA 30.

Prerequisites: Eligibility for ELA 20 or ELA 30

ELA 33
ELA Grammar **3**
Equips students with basic English grammar skills to improve communication in both spoken and written forms. Intended for students taking or eligible to take ELA 20 or 30.

Prerequisites: Eligibility for ELA 20 or ELA 30

ELA 34
ELA Reading **5**
Designed to improve academic reading skills for non-native speakers of English. Focus on mastery of reading vital information for daily living skills in our community, using resources to build skills, and basic reading strategies.

Prerequisites: Eligibility for ELA 30

ELA 36
ELA Basic Academic Computer Skills **5**
Designed for students who need introductory computer, technology and keyboarding skills. Emphasis on basic computer skills and learning strategies to help students transition to college-level classes. No prior computer experience is necessary; recommended for students who are new to computers and hesitant about using technology in a learning environment. Intended for students taking or eligible to take ELA 20 or ELA 30.

Prerequisites: Eligibility for ELA 20 or ELA 30

GED 90
GED Test Prep for Mathematical Reasoning **5**
Focus on mathematical reasoning within quantitative problem solving in measurement, algebraic problem solving with expressions and equations, and algebraic problem solving with graphs and functions. This course is only for students who are interested in preparing for their mathematical reasoning test for the GED. Not eligible for credit toward a high school diploma.

GED 91
GED Test Prep for Language Arts/Social Studies **5**
Focus on language arts and social studies focusing on analyzing and creating text features and technique; using evidence to understand, analyze, and create arguments; apply knowledge of English language, conventions and usage; analyze and create text features in a social studies context; apply social studies concepts to the analysis and construction of arguments; reason quantitatively and interpret data in social studies context. This course is only for students who are interested in preparing for their language arts and social studies tests for the GED. Not eligible for credit toward a high school diploma.

Prerequisites: Eligibility for ENGL 97 or TS 97, or instructor permission

GED 92
GED Test Prep for Language Arts with Science **5**
Focus on language arts and science focusing on analyzing and creating text features and technique; using evidence to understand, analyze, and create arguments; apply knowledge of English language, conventions and usage; analyze scientific and technical arguments, evidence, and text-based information; apply scientific processes and procedural concepts; reason quantitatively and interpret data in scientific context. This course is only for students who are interested in preparing for language arts and science tests for the GED. Not eligible for credit toward a high school diploma.

Prerequisites: Eligibility for ENGL 97 or TS 97, or instructor permission

TS 11
Educational Interview **1-3**
A learner-focused course designed to orient students to the ABE/HSC program and other resources and services. Course will appraise students on their current abilities in reading, writing and math, backgrounds, and interests. Course will review goals and create a plan of action to meet those goals.

TS 31
Reading High School US History I **5**
Analysis of important themes in American social and political history from Revolutionary America to the Civil War. Development of academic literacy including evaluation of content, examining points of view and text analysis.

Prerequisites: Transitional Studies orientation and CASAS testing or instructor permission

TS 32
Reading American Government and Civics **5**
Emphasis of this class on the critical role of American citizenship through discussion of the Constitution and the Bill of Rights. Students will read, write, listen speak and think critically about how our government operates and their rights and responsibilities as citizens.

Prerequisites: Transitional Studies orientation and CASAS testing or instructor permission

TS 33
Reading High School US History II **5**
Analysis of important themes in American social and political history from Reconstruction to the 20th Century. Development of academic literacy including evaluation of content, examining points of view, and text analysis.

Prerequisites: Transitional Studies orientation and CASAS testing or instructor permission

TS 34
Reading Washington State History **5**
Integrated reading, writing, listening, speaking, and critical thinking focusing on Washington State History through multicultural perspectives. Students will examine Washington's social, cultural, economic, geographical and political history as well as explore current State issues. Focus on analytical reading of primary and secondary sources.

Prerequisites: Transitional Studies orientation and CASAS testing or instructor permission

TS 35
Reading Contemporary World Issues I **5**
Theme-based reading course focusing on analysis of contemporary issues in a global community. Development of literary response techniques and critical thinking through reading, listening, speaking and collaborative activities. Requirements may include independent and/or group research projects and community activities.

Prerequisites: Transitional Studies orientation and CASAS testing or instructor permission

TS 36
High School Contemporary Problems II **5**
Theme-based reading course focusing on analysis of contemporary issues in a global community. Development of literary response techniques and critical thinking through reading, listening, speaking and collaborative activities. Requirements may include independent and/or group research projects and community activities.

Prerequisites: Transitional Studies orientation and CASAS testing or instructor permission

TS 44

Basic ELA Computer Skills **5**
This course is designed for ELA students who need basic introductory computer and keyboarding skills. Emphasis is on basic computer skills and learning strategies to help students transition to the college-level classes or workplace. No prior computer experience is necessary; recommended for student who are new to computers and hesitant about using technology in a learning environment.

Prerequisites: Transitional Studies orientation and CASAS testing or instructor permission

TS 50
Basic Math Skills I **5**
Whole number operations; understanding of benchmark fractions and decimals; order of operations; recall and use mathematical procedures such as basic estimating, counting, sorting, ordering, and grouping.

Prerequisites: Assessment or instructor permission

TS 51
Physical Science I **5**
Basic development of two of the four core ideas in the physical sciences: structure and properties of matter; chemical reactions. Analysis of scientific methods and critical thinking. Integrated activities and completion of a science project are required.

TS 52
Physical Science II **5**
Basic development of two the four core ideas in the physical sciences: forces and interactions; and energy. Analysis of scientific methods and critical thinking. Integrated activities and completion of a science project are required.

TS 53
Life Science I **5**
Basic development of two of the five core ideas in the life sciences: structures and function; inheritance and variation of traits. Analysis of scientific methods and critical thinking. Integrated activities and completion of a science project are required.

TS 54
Life Science II **5**
Basic development of three of the five core ideas in the life sciences: matter and energy in organisms and ecosystems; interdependent relationships in ecosystems; natural selection and evolution. Analysis of scientific methods and critical thinking. Integrated activities and completion of a science project are required.

TS 55
Earth and Space Science I **5**
Basic terminology and themes in the earth sciences, including the analysis of scientific methods and critical thinking. Integrated lab activities and completion of a science project are required.

TS 56
Earth and Space Science II **5**
Basic terminology and themes in the space sciences, including the analysis of scientific methods and critical thinking. Integrated lab activities and completion of a science project are required.

TS 60
Basic Math Skills II **5**
Fractions, decimals, proportions; order of operations; evaluation and simplification of algebraic expressions with whole numbers; solving algebraic equations with whole numbers.

Prerequisites: TS 50 or assessment or instructor permission

TS 64
Reading and Computer Essentials **3-5**
Reading, listening and computer skills designed to introduce students to the academic classroom. Focus on personal, social, cognitive and knowledge-building framework for reading. Computer emphasis is on basic computer skills and learning strategies.

Prerequisites: Transitional Studies orientation and CASAS testing or instructor permission

TS 66
Basic Academic Computer Skills **5**
Designed for students who need introductory computer, technology and keyboarding skills. Emphasis is on basic computer skills and learning strategies to help students transition to college-level classes. No prior computer experience is necessary; recommended for students who are new to computers and hesitant about using technology in a learning environment.

TS 70
Preparation for Algebra **5**
Proportions and percents; integers; order of operations; evaluation and simplification of algebraic expressions; solving algebraic equations with fractions, decimals and integers.

Prerequisites: TS 60 or assessment or instructor permission.

TS 72
Intermediate Conversation **3**
Equips students with English listening and speaking skills for academic and personal success. Intended for students taking or eligible to take TS 77 or 87.

TS 73
Intermediate Grammar **3**
Focus on basic sentence structure and verb tenses. Prepares students to express their thoughts and ideas in complete sentences with accurate sentence boundaries in both spoken and written forms. Intended for students taking or eligible to take TS 77.

TS 74
Introduction to Study Skills and College Navigation **5**
Focus on college preparation, reading for meaning and information, and study skills. This course is designed for the student who is returning to school or is seeking ways to survive in college. Identify learning styles, manage time, utilize student support services, read textbooks, take notes and tests, and use library and EvCC webpage resources. Major and career options will be explored and FAFSA will be introduced.

Prerequisites: Transitional Studies orientation and CASAS testing or instructor permission

TS 76
Mathematical Literacy **5**
Review of basic concepts in mathematics focusing on real-world applications and conceptual understanding. Topics include: prime factorizations; operations on rational numbers; evaluation of algebraic expressions; ratios, proportions, and percentages; reading graphical interpretations of data; plotting graphs; writing linear relationships using algebra. Equivalent to MATH 76 and HSC 76. Credit cannot be earned in both TS 76 and either MATH 76 or HSC 76.

Prerequisites: Eligibility for HSC 76 or TS 76 or MATH 76 via a math assessment OR permission of a math instructor

TS 77
Introduction to Writing **5**
Introduction to writing through developing knowledge of grammar, usage and sentence structure. Students learn to organize ideas logically, express opinions and provide supporting ideas. Students learn how to provide a concluding statement, do a short research project and take notes on information they have gathered. Students participate in class and small group discussions and explore further education opportunities.

Prerequisites: Transitional Studies orientation and CASAS testing placement, completion of ELA 30 with a grade of C or better, or instructors permission

TS 78
Introduction to Algebra Part I **5**
Application of rational numbers, exponents; order of operations; evaluation and simplification of algebraic expressions; solving algebraic equations.

Prerequisites: TS 70 or assessment or instructor permission

TS 79
Introduction to Algebra Part II **5**
Application of rational numbers, exponents, scientific notation and radicals; order of operations; evaluation and simplification of algebraic expressions; solving algebraic equations.

Prerequisites: Completion of TS 78 or instructor permission

TS 80
Introduction to Algebra **5**
Application of rational numbers, exponents, scientific notation and radicals; order of operations; evaluation and simplification of algebraic expressions using rational numbers; solving algebraic equations using rational numbers.

Prerequisites: TS 70 or assessment or instructor permission

TS 81
Geometry I **5**
A basic introduction to the following concepts: congruence, proof, and constructions; similarity and trigonometry; extending to three dimensions.

Prerequisites: TS 80 or Math 80 or via an assessment or instructor permission

TS 82
Geometry II **5**
Basic introduction to the following concepts: connecting algebra and geometry through coordinates; circles with and without coordinates; application of probability.

Prerequisites: TS 81 or instructor permission.

TS 83
High Intermediate Grammar **3**
Focus on various sentence structures and verb tenses. Improve accuracy in both spoken and written forms of communication. Intended for students who are taking or eligible to take TS 87.

TS 84
Introduction to College Reading **3-5**
Designed to improve students' reading knowledge, skills and abilities in order to prepare for college courses that require reading. Emphasis on reading using metacognitive processes, preparing for and taking part in discussion groups, and building fluency and vocabulary. Equivalent to DEVED 84. Credit cannot be earned in both TS 84 and DEVED 84.

Prerequisites: Completion of TS 74 with a C or higher or placement by a Transitional Studies instructor

TS 86
Essentials of Intermediate Algebra **5**
Introductory course in mathematical reasoning, focusing on real-world applications and conceptual understanding. Topics include ratios and percentages, linear models, quadratic applications, algebraic manipulation, statistical measures of center, and geometry. Equivalent to TS 86 and HSC 86. Credit cannot be earned in both MATH 86 and either TS 86 or HSC 86.

Prerequisites: TS/MATH 76 (or equivalent) with a C (2.0) or better OR eligibility for TS/MATH 86 via a math assessment OR permission of a math or TS instructor

TS 87
Writing Structure and Academic Planning **5**
Development of grammar, punctuation and sentence style skills including compound and complex sentences. Development of a portfolio of current and past personal, employment, and educational experiences in order to create an academic plan for future quarters, finish needed credentials, and transition to college or vocational programs.

Prerequisites: Transitional Studies orientation and CASAS testing or instructor permission

TS 89
Elementary and Intermediate Algebra Part I **5**
First quarter of a three quarter sequence covering topics from beginning and intermediate algebra for qualified students who need to review and extend their algebra skills. Topics include linear equations and inequalities with applications, graphing lines, systems of linear equations and applications, absolute value equations and inequalities, line equations, integer exponents, polynomial operations and factoring, and solving polynomial equations by factoring.

Prerequisites: TS 76 or MATH 76 or TS 080 or MATH 080 or eligibility for TS 86 via a math assessment; OR instructor permission

TS 90
Elementary and Intermediate Algebra I Part II **5**
Second quarter of a three quarter sequence covering topics from beginning and intermediate algebra for qualified students who need to review and extend their algebra skills. Topics include linear equations and inequalities with applications, graphing lines, systems of linear equations and applications, absolute value equations and inequalities, line equations, integer exponents, polynomial operations and factoring, and solving polynomial equations by factoring.

Prerequisites: TS 89 OR instructor permission

TS 91
Elementary and Intermediate Algebra I **5**
First quarter of a two quarter sequence covering topics from beginning and intermediate algebra for qualified students who need to review and extend their algebra skills. Topics include linear equations and inequalities with applications, graphing lines, systems of linear equations and applications, absolute value equations and inequalities, line equations, integer exponents, polynomial operations and factoring, and solving polynomial equations by factoring.

Prerequisites: TS 76 or MATH 76 or TS 80 or MATH 80 or eligibility for TS 86 via a math assessment; OR instructor permission

TS 92
Advanced Conversation **3**
Equips students with English listening and speaking skills to improve communication for academic and career success. Intended for students taking or eligible to take TS 97 or TS 98.

TS 93
Advanced Grammar **3**
Focus on various sentence structures and editing skills that help students accurately express their thoughts and ideas in both spoken and written forms of communication. Intended for students taking TS 97 or TS 98.

TS 94
Introduction to Academic Reading Literature **3-5**
Reading to advance comprehension, critical thinking and vocabulary skills as well as enhance confidence in preparation for reading college literature assignments. Focus on reading longer works of both fiction and non-fiction with a multicultural perspective. Students will engage in the group process as they discuss different texts.

TS 95
Prior Learning Experience **3**
Students will assess, with the assistance of instructor, their current academic abilities and needed level of competencies in reading, writing, and math in order to develop a portfolio with future academic and career plans. At the end of the course, students will have completed a plan that details the remaining requirements towards their adult high school diploma or equivalent certificate.

Prerequisites: Instructor permission

TS 96
Transitional Computer Skills **5**
This course is designed for students who need basic computer confidence and skill building. Emphasis is on basic computer skills and learning strategies to help students succeed in college-level classes. No prior computer experience is necessary; recommended for students who are new to computers and hesitant about today's technology as used in college classrooms.

Prerequisites: Transitional Studies orientation and eligibility for TS 087 or higher or instructor permission

TS 97
Introduction to College Paragraphs **5**
Prepares students for college writing, including advanced grammar and sentence styles and the paragraph structure. Introduces information literacy, research skills, and group projects. Equivalent to ENGL 97 and HSC 97. Credit cannot be earned in both TS 97 and either ENGL 97 or HSC 97.

Prerequisites: Transitional Studies orientation and CASAS testing or instructor permission

TS 98
Introduction to College Essays **5**
Prepares students for college writing, including formal academic writing styles and the essay structure. Introduces information literacy, research skills, and documentation styles in order to transition successfully to college level classes. Equivalent to ENGL 98 and HSC 98. Credit cannot be earned in both TS 98 and either ENGL 98 or HSC 98.

Prerequisites: Transitional Studies orientation and CASAS testing or instructor permission

TS 99
Academic Support Modules **1-5**
Academic Support Module courses offer 1-5 credit modules in pre-college level reading, learning strategies, study skills support, and basic computer technology for academic success in college classes. Designed for all students needing or desiring extra learning strategies, reading skills, and study skills support in their college courses.

Prerequisites: Transitional Studies orientation and CASAS testing or instructor permission

WELDING AND FABRICATION

The Welding Program is designed to meet the expanding needs of the many occupations that utilize welding and fabrication. The welding department provides a balanced course of study including both hands-on learning experiences, technical information and general education courses. Students have the option to choose a course of study that best fits their needs: (1) preparation for a career in welding with welding certification through the Washington Association of Building Officials and a certificate from Everett Community College; (2) an Associate in Technical Arts degree for those who want to achieve additional welding related goals; (3) welding related skills and information for advancement in their current occupation. Each student will need to purchase about $200 worth of equipment during the training period.

In addition to the Student Core Learning Outcomes, the Program Specific Outcomes include:

- Build skills toward industry standards.
- Build skills toward State and National welding certifications.
- Work as an effective and dependable team member as well as independently.
- Demonstrate safe work habits that reflect concern and care for self, others and the environment.
- Develop the skills necessary to secure employment.

Faculty Advisors:

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WELD 100
Preparation for Success in Industry **5**
An introduction to standards, processes and operational procedures of the industrial and manufacturing trades. Introduction to employer industry soft-skill standards through classroom activities. Student assessment of common industry requirements for logic and communication used in industry. Individuals will gain the ability to locate and use resources for success at AMTEC. Expectations of welding industry and its relationship to the advanced manufacturing fields in composites, engineering tech, precision machining, mechatronics/robotics. Students will develop academic, personal skills and attitudes that promote success in a college environment.

WELD 101
Introduction to Welding **5**
Introduction to welding including safety, set-up and operation of tools and equipment common to fabrication shop, common metallurgical terms, alloying elements used in the production of carbon steels and their effects.

Prerequisites: MFG T 100 or concurrent enrollment in MFG T 100, or instructor permission

WELD 105
Introduction to Fabrication Planning **5**
Welding with a focus on the preparation tasks needed for welding and fabrication. Starting and completing fabrication preparation tasks independently or in teams by focusing on soft skills in topics that include reading and writing material lists, using stock material inventories, economic material layout, measurements of fabrication dimensions, calculating linear lengths of straight and bent weldments, and calculating weights of fabrications, in both English and SI (metric) units. Example problems from fabrication classes Weld 210, 211, 212, 213 are included along with course capstone problems for fabricating a community playground project.

Prerequisites: Eligibility for MATH 76 or equivalent OR instructor permission

WELD 111
Basic Layout **2**
Includes baseline radial, cylindrical and triangulation layout techniques used to develop flat pattern, pipe intersections and conical shapes. Basic lofting techniques covering the use of base line, radial and flat pattern triangulation common to the sheet metal fabrication and the HVAC industries. May be repeated two times for credit.

WELD 150
Blueprint Reading for Industry **5**
Comprehensive overview of engineering drawings, lines and symbols as applied to the machine and fabrication trades rather than construction. Study of basic lines of a blueprint, three-view, isometric and orthographic drawings, and welding symbols and their interpretation. Course also includes identification of structural shapes, thread patterns and fasteners common to the metal trades industry. May be repeated one time for credit.

WELD 151
Carbon Steel Metallurgy for the Trades **3**
Metallurgical terms as applied to carbon steels. Properties of metals, phase changes, melting and solidification rates, weld bead metallurgy, and heat affected zones. Alloying elements, their effects on weld material and the distortion of materials due to thermal conditions. An introduction to flame straightening techniques completes the course.

WELD 152
Welding Base Materials: Processes and Procedures **3**
Covers base material classification systems and identification systems including S.A.E. (Society of Automotive Engineers), A.S.T.M. (American Society of Testing and Materials), and A.W.S. (American Welding Society). Also includes the study of common welding processes, power supplies and the reading, writing and interpretation of welding procedures. May be repeated one time for credit.

WELD 153
Non-Ferrous Metallurgy for the Trades **3**
Basic metallurgy of stainless steels and aluminum. Material designation systems, filler metal selection and designation, welding procedures common to non-ferrous metals.

WELD 154
Industrial Safety for the Metal Trades **2**
Personal conduct and professional expectations of welding personnel in a plant setting. Application of the standards of the Occupational Safety and Health Act to compressed gas cylinders, power and hand tools and general shop procedures. Interpretation of Safety Data Sheets. Procedures for proper setup and use of welders. Procedures and proper use of metal forming equipment.

WELD 155
Heat Treatment of Ferrous and Non-Ferrous Metals **2**
Introduction to heat treat equipment, cryogenic equipment, safety protocols for the lab and analyzing results of various heat treatments on ferrous and non-ferrous metals. WELD 151 and/or WELD 153

recommended.

WELD 190
Oxyacetylene Welding and Cutting **5**
Principles and techniques of oxy-acetylene welding and brazing and oxy-fuel flame cutting to develop solid entry level skills required by industry. Set-up and use of hand and machine torches for straight line, pierce cuts and bevel cuts, use of carbon arc and an introduction to hand held plasma cutting. May be repeated one time for credit.

WELD 191
Basic Arc Welding **5**
The principles and techniques of basic manual Shielded Metal Arc Welding using E 6010 and or E 6011 electrodes to make fillet welds and open root welds acceptable to industry standards in the flat, horizontal, vertical and overhead positions. May be repeated twice for credit.

WELD 192
Advanced ARC Welding **5**
The principles and techniques of manual Shielded Metal Arc Welding using E 7018 electrodes to produce fillet, and groove welds in all positions acceptable to industry standards in the flat, horizontal, vertical and overhead positions. Development of skills to the level required for code standards and certification.

WELD 193
Basic Pipe Welding **5**
Principles and techniques of pipe welding using Shielded Metal Arc Welding and or Gas Tungsten Arc Welding. Class includes joint preparation, filler metal selection as applied to the 2G, 5G and 6G welding positions and building skills toward the AWS D1.1 Standard.

WELD 194
Gas Tungsten Arc Welding **5**
Fundamentals and techniques used in the Gas Tungsten Arc Welding process. Course includes set-up and adjustment of the GTAW equipment for use with steel, stainless steel and aluminum. Identifying proper filler metals and shielding gasses for use with steel, stainless steel and aluminum. Welding of fillet, butt and groove welds in the flat, horizontal, vertical and overhead positions to the Washington Association of Building Officials Standard 27-13. Can be repeated two times for credit.

WELD 195
Gas Metal Arc Welding **5**
Principles and techniques of the Gas Metal Arc Welding process on steel, stainless steel and aluminum. Course will include set-up and adjustment of the GMAW equipment for short arc, spray transfer and pulse spray transfer methods. Welding of fillet, butt and groove welds in the flat, horizontal, vertical and overhead positions to the American Welding Society D1.1 Standard. Build skills necessary for industry certification including Washington Association of Building Officials State welding certification.

WELD 196
Flux Core Arc Welding **5**
Principles and techniques of Flux-cored Arc Welding (FCAW) processes on mild steel. Shop safety and set-up and adjustment of equipment. Multiple-pass and groove welds in flat, horizontal, vertical and overhead positions. Development of the skills required for American Welding Society (AWS) D1.1 and /or Washington Association of Building Officials (WABO) 27-13 S standard qualification tests in all positions. May be repeated twice for credit.

WELD 205
Introduction to Fabrication Workshop Improvement **5**
Focus on improving the layout and efficiency of welding and fabrication operations. Continuation of WELD 105 by extending what is learned for single projects to the multi-project workshop. Designed for all skill levels including hobbyist, career welder or welding business owner. Improve the welding and fabrication workshop to meet the demands of lower costs, improved quality, and improved layout for efficiency. Topics include examples of waste, identifying areas for improvement, quality, and getting buy-in from stake holders. Example case studies will be presented of improvements made to welding and fabrication workshops.

Prerequisites: WELD 105 and eligibility for MATH 76, or instructor permission

WELD 210
Heavy Plate Fabrication **5**
Principles and techniques used in plate fabrication. Class is geared toward the Marine Construction Industry and will include terms, tools and techniques common to ship building. Students will work in teams, from blueprints, to fabricate a small ship hull sections with the use of standard lay-out practices, overhead crane and the set-up and operation of 120 ton hydraulic press brake to fabricate parts. May be repeated one time for credit.

WELD 211
Sheet Metal Fabrication **5**
Procedures and methods of basic sheet metal fabrication. Students plan and produce a variety of projects from prints and drawings utilizing flat pattern lay-out, measuring, bending sequences, spot welding, and the use of hand tools, pan brake, finger brake, roll forms and punches and notching equipment. May be repeated one time for credit.

WELD 212
Pipefitting and Pipe Systems Fabrication **5**
Presents basic pipefitting methods, tools, terms and techniques. Identification of pipe schedules, fitting types and valve types. Working in teams and from blueprints students will fabricate various pipe systems and manifolds using bolted flange connections, welded sections and threaded sections. May be repeated one time for credit.

WELD 213
Practical Fabrication and Advanced Welding Techniques **5**
Sequences and methods of structural steel fabrication and assembly. Identification of structural shapes and their uses. Working from blueprints and or drawings students will plan, fabricate and join various structural shapes and formed parts into a completed project. Student will apply the techniques of out of position welding where vision and accessibility are limited. Proper demonstration of confined space entry, work techniques, and exit are a part of this class. May be repeated one time for credit.

WELD 214
Sub Arc Welding **2**
The components, safety, set up, and operation of the sub arc welding system. Identify the wires and fluxes common to the sub arc process and the selection of the proper wires and fluxes as applied to different base materials. The use of sub arc process to weld various thicknesses of plate and pre-fabricated pipe sections.

Prerequisites: WELD 195/196, WELD 210, or instructor permission

WELD 215
Press Brake Operation **3**
The safety, set up, and basic operations of press brake operations. This will include flat pattern lay-out, calculations of bend stretch allowances, bending sequences, forming of multiple bend parts, bump rolling pipe sections and proper choice of various bending dies. The course will also include basic maintenance and adjustments of our 120 ton hydraulic press brake.

Prerequisites: WELD 195/196, WELD 210, or instructor permission

WELD 216
Advanced TIG Welding **3**
This course is intended for those who already possess strong basic TIG skills. Advanced TIG welding techniques used in specialized manufacturing such as Aero Space and the Nuclear Industry. Safety, set up and adjustment of water cooled TIG torches. Gas lens selection and use. Set up and use of purge blocks and purge systems. Identification and selection of various tungsten and shielding gasses common to specialized TIG processes. Stainless Steel plate welding in the 3G position and Stainless Steel pipe welding in the 6G position on 2,Äù, 3,Äù and 4,Äù pipe. Industry Certification from the Washington Association of Building Officials (W.A.B.O.) is a primary focus of this course.

WELD 217
Aerospace Sheet Metal Fabrication **5**
Procedures and methods of basic sheet metal fabrication with a special focus on the aerospace industry. Students plan and produce a variety of projects from prints and drawings utilizing flat pattern lay-out, measuring, bending sequences, spot welding, and the use of hand tools, pan brake, finger brake, roll forms and punches and notching equipment. Special emphasis on aerospace sector, tools, equipment, common uses, production parts, quality control techniques and industry tolerances. May be repeated one time for credit.

WELD 225
Welding Skills Building 1 **2**
Designed for the student who is seeking practice time prior to taking a state welding certification test or for the student seeking to improve current welding skills through additional lab time. May be repeated two times for credit.

Prerequisites: Instructor permission

WELD 226
Welding Skills Building 2 **2**
Designed for the student who is seeking practice time prior to taking a state welding certification test or for the student seeking to improve current welding skills through additional lab time to meet current industry standards. May be repeated two times for credit.

Prerequisites: WELD 225 or instructor permission

WELD 231
Welding Capstone **5**
Application of welding processes and techniques learned on carbon steel with necessary changes to an aluminum boat hull using both GTAW and GMAW. Welding codes for the hull and structural components will be discussed, with students evaluating their welds to the requirements of the applicable American Bureau of Shipping (ABS) Part 2, and American Welding Society (AWS) D1.2 Structural Aluminum Code and historical D3.7 Guide for Aluminum Hull Welding. Presentation of completed aluminum boats to invited members of the local marine industry and other employers specializing in aluminum fabrications. Final course for both degree seeking and certificate students in the Welding Program. Students will be assessed for knowledge, skills and work-readiness acquired during the student's welding education.

Prerequisites: MFGT 100; WELD 101, 105, 194 and 195

WELD 285
Computer Numeric Controlled (CNC) Plasma/Waterjet Cutting **5**
Introduction to automated manufacturing on vertical three axis plasma and waterjet Computer Numeric Controlled (CNC) welding equipment with the use of multiple 2D Computer Aided Design (CAD) programs. May be repeated one time for credit.

WELD 286
Aerospace CNC Plasma Cutting **5**
Programming and use of the computerized cutting system using AutoCad with a special focus on the aerospace industry. Special emphasis on aerospace sector, tools, equipment, common uses, production parts, quality control techniques and industry tolerances. May be repeated one time for credit.

WELD 287
CNC Waterjet Cutting **5**
This course serves as an introduction to the waterjet cutting process. Students will program the machine based on CAD drawings and learn the setup, adjustments and operation of the CNC waterjet table on a variety of materials including ferrous and non-ferrous metals and carbon fiber composites.

Prerequisites: WELD 285 or WELD 286 or instructor permission

WELD 288
Aerospace CNC Plasma Cutting 2 **5**
Additional programming and use of the computerized cutting system using AutoCad with a special focus on the aerospace industry. Special emphasis on aerospace sector, tools, equipment, common uses, production parts, quality control techniques and industry tolerances to meet current industry standards. May be repeated one time for credit.

Prerequisites: WELD 286 or instructor permission

WELD 291
Basic Arc Welding 2 **5**
The principles and techniques of additional basic manual Shielded Metal Arc Welding using E 6010 and or E 6011 electrodes to make fillet welds and open root welds acceptable to industry standards in the flat, horizontal, vertical and overhead positions. May be repeated two times for credit.

Prerequisites: WELD 191 or instructor permission

WELD 292
Advanced Arc Welding 2 **5**
Principles and techniques of additional advanced manual Shielded Metal Arc Welding using E 7018 electrodes to produce fillet, and groove welds in all positions acceptable to industry standards in the flat, horizontal, vertical and overhead positions. Development of skills to the level required for code standards and certification. May be repeated two times for credit.

Prerequisites: WELD 192 or instructor permission

WELD 294
Gas Tungsten Arc Welding 2 **5**
Additional fundamentals and techniques used in the Gas Tungsten Arc Welding process. Course includes set-up and adjustment of the GTAW equipment for use with steel, stainless steel and aluminum. Identifying proper filler metals and shielding gasses for use with steel, stainless steel and aluminum. Welding of fillet, butt and groove welds in the flat, horizontal, vertical and overhead positions to the Washington Association of Building Officials Standard 27-13. May be repeated two times for credit.

Prerequisites: WELD 194 or instructor permission

WELD 295
Work Experience Internship **2-5**
Provides students with a safe, supervised work environment to apply their welding and fabrication skills, fostering professional growth and self-confidence in the welding industry. May be repeated one time for credit.

Prerequisites: Instructor permission

WELD 296
Flux Core Arc Welding 2 **5**
Designed to help students develop additional skills necessary to weld with the FCAW processes and pass an AWS D1.1 and/or a WABO 27-13 Standard Qualification test in all positions. Class will cover safety as applied to the FCAW processes; set-up and adjustment of equipment; multiple pass welds in the flat, horizontal, vertical and overhead positions; and groove welds in the flat, horizontal, vertical and overhead positions to meet current industry standards. Class is primarily a hands-on lab totaling 100 hours.

Prerequisites: WELD 196 or instructor permission

WELD 297
Work Experience Internship 2 **2-5**
Provides students with a safe, supervised work environment to apply their additional welding and fabrication skills, fostering professional growth and self-confidence in the welding industry to meet current industry standards. May be repeated one time for credit.

Prerequisites: WELD 295 and instructor permission

WORLD LANGUAGES

The World Languages Department currently offers transferable courses in the nine different languages listed below to develop the global competencies needed by educated citizens who want to succeed in the 21st century. We also offer short and long-term study abroad programs to Germany, Japan, Mexico, Spain and other countries. For further information, contact the appropriate language advisor.

Placement Tests: Students with previous knowledge of Chinese, French, German, Italian, or Russian should take the online placement test to determine the best course level based on their language proficiency. Heritage speakers are also advised to take the placement test and contact the appropriate world language instructor to discuss their results.

For the other languages offered, contact the instructor listed in the course schedule for appropriate placement.

In addition to the Core Learning Outcomes, the Program Specific Outcomes include:

- Communication: demonstrate listening, speaking reading and writing skills

- Cultures: demonstrate an understanding of traditions, customs and beliefs related to the target language
- Connections: link information about the target language and cultures to other disciplines
- Comparisons: compare and contrast language and cultural concepts with one's own language and culture
- Communities: interact with native speakers, both locally and globally, and gain a world perspective

Faculty Advisor:
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American Sign Language

American Sign Language (ASL& 121, 122, 123; 221, 222, 223) may be used to fulfill the foreign language requirement at some colleges and universities. NOTE: These courses do not prepare a person to function in the role of an interpreter.

ASL& 121
American Sign Language I **5**
(H,TE) Beginning sequence of three courses in American Sign Language (ASL), a visual and gestural language used by Deaf people. These courses are intended to introduce students to the grammar and vocabulary of ASL while focusing on beginning conversational skills. Introduction to the history and culture of those who identify themselves as Deaf. The focus of each of these courses is ASL, its constructions, use and value to the Deaf community. These courses will encourage small and large group activities with exposure to Deaf culture.

ASL& 122
American Sign Language II **5**
(H,TE) Second course of beginning sequence in American Sign Language (ASL), a visual and gestural language used by Deaf people. These courses are intended to introduce students to the grammar and vocabulary of ASL while focusing on beginning conversational skills. Introduction to the history and culture of those who identify themselves as Deaf. The focus of each of these courses is ASL, and its construction, use and value to the Deaf community. These courses will encourage small and large group activities with exposure to Deaf culture.

Prerequisites: ASL& 121, placement test or instructor permission

ASL& 123
American Sign Language III **5**
(H,TE) Third course of beginning sequence in American Sign Language (ASL), a visual and gestural language used by Deaf people. These courses are intended to introduce students to the grammar and vocabulary of ASL which focusing on beginning conversational skills. Introduction to the history and culture of those who identify themselves as Deaf. The focus of each of these courses is ASL, and its construction, use and value to the Deaf community. These courses will encourage small and large group activities with exposure to Deaf culture.

Prerequisites: ASL& 122, placement test or instructor permission

ASL& 221
American Sign Language IV **5**
(H,TE) Continuation of ASL& 121, 122, 123. Sequence of three courses at the intermediate level focusing on developing ASL fluency. Focus on the ability to narrate events that occurred in the past, make suggestions and requests, talk about life events, describe weekend activities, ask about nationality and family names and narrate family immigration history.

Prerequisites: ASL& 123, placement test or instructor permission

ASL& 222
American Sign Language V **5**
(H,TE) Continuation of ASL& 121, 122, 123. Second course in sequence at the intermediate level focusing on developing ASL fluency. Focus on the ability to narrate events that occurred in the past, make suggestions and requests, talk about life events, describe weekend activities, ask about nationality and family names and narrate family immigration history.

Prerequisites: ASL& 221, placement test or instructor permission

ASL& 223
American Sign Language VI **5**
(H,TE) Continuation of ASL& 121, 122, 123. Third course in sequence at the intermediate level focusing on developing ASL fluency. Focus on the ability to narrate events that occurred in the past, make suggestions and requests, talk about life events, describe weekend activities, ask about nationality and family names and narrate family immigration history.

Prerequisites: ASL& 222, placement test or instructor permission

Arabic (Modern Standard)

ARAB 121
Arabic I **5**
(H) First course in a sequence of three courses to practice fundamental elements of Arabic pronunciation, grammar and culture in the context of practical conversational Arabic. Listening, speaking, reading and writing to communicate in a logical, natural and personalized way.

ARAB 122
Arabic II **5**
(H) Second course in a sequence of three to practice fundamental elements of Arabic pronunciation, grammar and culture in the context of practical conversational Arabic. Listening, speaking, reading and writing to communicate in a logical, natural and personalized way.

Prerequisites: ARAB 121 or instructor permission

ARAB 123
Arabic III **5**
(H) Last course in a sequence of three to practice fundamental elements of Arabic pronunciation, grammar and culture in the context of practical conversational Arabic. Listening, speaking, reading and writing to communicate in a logical, natural and personalized way.

Prerequisites: ARAB 122 or instructor permission

Chinese (Mandarin)

CHIN& 121
Chinese I **5**
(H) Beginning sequence of courses to practice functional elements of Chinese pronunciation, grammar and culture in the context of practical conversational Chinese. Listening, speaking, reading and writing to communicate in a logical, natural and personalized way.

CHIN& 122
Chinese II **5**
(H) Beginning sequence of courses to practice functional elements of Chinese pronunciation, grammar and culture in the context of practical conversational Chinese. Listening, speaking, reading and writing to communicate in a logical, natural and personalized way.

Prerequisites: CHIN& 121, placement test or instructor permission

CHIN& 123
Chinese III **5**
(H) Beginning sequence of courses to practice functional elements of Chinese pronunciation, grammar and culture in the context of practical conversational Chinese. Listening, speaking, reading and writing to communicate in a logical, natural and personalized way.

Prerequisites: CHIN& 122, placement test or instructor permission

French

FRCH& 121
French I **5**
(H) First in a sequence of courses to practice functional elements of French pronunciation, grammar and culture in the context of practical conversational French. Listening, reading and writing to communicate in a logical, natural, and personalized way.

FRCH& 122
French II **5**
(H) Second in a sequence of courses to practice functional elements of French pronunciation, grammar and culture in the context of practical conversational French. Listening, reading and writing to communicate in a logical, natural, and personalized way.

Prerequisites: FRCH& 121, placement test or instructor permission

FRCH& 123

French III **5**
(H) Third in a sequence of courses to practice functional elements of French pronunciation, grammar and culture in the context of practical conversational French. Listening, reading and writing to communicate in a logical, natural, and personalized way.

Prerequisites: FRCH& 122, placement test or instructor permission

FRCH& 221
French IV **5**
(H) Continuation of FRCH& 123. Active and systematic review of grammar, building of vocabulary, greater emphasis on oral comprehension, compositions, readings and discussions.

Prerequisites: FRCH& 123, placement test or instructor permission

FRCH& 222
French V **5**
(H) Continuation of FRCH& 221. Active and systematic review of grammar, building of vocabulary, greater emphasis on oral comprehension, compositions, readings and discussions.

Prerequisites: FRCH& 221, placement test or instructor permission

FRCH& 223
French VI **5**
(H) Continuation of FRCH& 222. Active and systematic review of grammar, building of vocabulary, greater emphasis on oral comprehension, compositions, readings and discussions.

Prerequisites: FRCH& 222, placement test or instructor permission

German

GERM& 121
German I **5**
(H) First in a sequence of courses to practice functional elements of German pronunciation, grammar and culture in the context of practical conversational German. Listening, speaking, reading and writing to communicate in a logical, natural and personalized way.

GERM& 122
German II **5**
(H) Second in a sequence of courses to practice functional elements of German pronunciation, grammar and culture in the context of practical conversational German. Listening, speaking, reading and writing to communicate in a logical, natural and personalized way.

Prerequisites: GERM& 121, placement test or instructor's permission

GERM& 123
German III **5**
(H) Third in a sequence of courses to practice functional elements of German pronunciation, grammar and culture in the context of practical conversational German. Listening, speaking, reading and writing to communicate in a logical, natural and personalized way.

Prerequisites: GERM& 122, placement test or instructor's permission

GERM 190
Student Exchange to Germany **5**
(TE) This cultural exchange program to Germany offers students an opportunity for a three-week home-stay with a German family. Course activities will include visits to a German school, tours of cultural and historical sites, a close-up look at aspects of the German economy, media, and popular culture, as well as geography and politics.

Prerequisites: Instructor permission

GERM& 221
German IV **5**
(H) Continuation of GERM& 123. Active and systematic review of grammar, building of vocabulary, greater emphasis on oral comprehension, compositions, readings and discussions.

Prerequisites: GERM& 123, placement test or instructor permission

GERM& 222
German V **5**
(H) Continuation of GERM& 221. Active and systematic review of grammar, building of vocabulary, greater emphasis on oral comprehension, compositions, readings and discussions.

Prerequisites: GERM& 221, placement test or instructor permission

GERM& 223
German VI **5**
(H) Continuation of GERM& 222. Active and systematic review of grammar, building of vocabulary, greater emphasis on oral comprehension, compositions, readings and discussions.

Prerequisites: GERM& 222, placement test or instructor permission

Italian

ITAL 111
Conversational Italian I **1-3**
First course in beginning sequence of oral communication courses designed to accompany ITAL 121, 122, and 123. Emphasis on oral skills with practice and reinforcement of pronunciation, grammar and conversational patterns.

Prerequisites: Completion of or concurrent enrollment in ITAL 121 or instructor permission

ITAL 112
Conversational Italian II **1-3**
Second course in beginning sequence of oral communication courses designed to accompany ITAL 121, 122, and 123. Emphasis on oral skills with practice and reinforcement of pronunciation, grammar and conversational patterns.

Prerequisites: Completion of or on current enrollment in ITAL 122 or instructor permission

ITAL 113
Conversational Italian III **1-3**
Third course in beginning sequence of oral communication courses designed to accompany ITAL 121, 122, and 123. Emphasis on oral skills with practice and reinforcement of pronunciation, grammar and conversational patterns.

Prerequisites: Completion of or concurrent enrollment in ITAL 123 or instructor permission

ITAL 121
Italian I **5**
(H) First in a sequence of courses to practice functional elements of Italian pronunciation, grammar and culture in the context of practical conversational Italian. Listening, speaking, reading and writing to communicate in a logical, natural and personalized way.

ITAL 122
Italian II **5**
(H) Second course in a sequence to practice functional elements of Italian pronunciation, grammar and culture in the context of practical conversational Italian. Listening, speaking, reading and writing to communicate in a logical, natural and personalized way.

Prerequisites: ITAL 121 or instructor permission

ITAL 123
Italian III **5**
(H) Third course in a sequence to practice functional elements of Italian pronunciation, grammar and culture in the context of practical conversational Italian. Listening, speaking, reading and writing to communicate in a logical, natural and personalized way.

Prerequisites: ITAL 122 or instructor permission

Japanese

JAPN& 121
Japanese I **5**
(H) Beginning sequence of courses to practice functional elements of Japanese pronunciation, grammar, vocabulary, and sentence patterns in the context of practical conversational Japanese with correct understanding of cultural and social background. The Japanese writing system is taught from early stage to provide total experience of the language.

JAPN& 122
Japanese II **5**
(H) Beginning sequence of courses to practice functional elements of Japanese pronunciation, grammar,

vocabulary, and sentence patterns in the context of practical conversational Japanese with correct understanding of cultural and social background. The Japanese writing system is taught from early stage to provide total experience of the language.

Prerequisites: JAPN& 121 or instructor permission

JAPN& 123
Japanese III **5**
(H) Beginning sequence of courses to practice functional elements of Japanese pronunciation, grammar, vocabulary, and sentence patterns in the context of practical conversational Japanese with correct understanding of cultural and social background. The Japanese writing system is taught from early stage to provide total experience of the language.

Prerequisites: JAPN& 122 or instructor permission

JAPN 199
Japanese I: Review **1**
Additional grammar and practice review that accompanies JAPN& 121 (Intensive Japanese I class) taught only during summer quarter. This course is highly recommended to be taken concurrently with Japanese I.

JAPN& 221
Japanese IV **5**
(H) Continuation of JAPN& 123. Acquisition of listening, speaking, reading and writing skills through a variety of activities to handle common situations. Reading and writing of essays, diaries, and stories.

Prerequisites: JAPN& 123 or instructor permission

JAPN& 222
Japanese V **5**
(H) Continuation of JAPN& 221. Acquisition of listening, speaking, reading and writing skills through a variety of activities to handle common situations. Reading and writing of essays, diaries, and stories.

Prerequisites: JAPN& 221 or instructor permission

JAPN& 223
Japanese VI **5**
(H) Continuation of JAPN& 222. Acquisition of listening, speaking, reading and writing skills through a variety of activities to handle common situations. Reading and writing of essays, diaries, and stories.

Prerequisites: JAPN& 222 or instructor permission

Russian

RUSS& 121
Russian I **5**
(H) Beginning sequence of courses to practice functional elements of Russian pronunciation, grammar and culture in the context of practical conversational Russian. Listening, speaking, reading, and writing to communicate in Russian in a logical, natural, and personalized way.

RUSS& 122
Russian II **5**
(H) Second in a sequence of courses to practice functional elements of Russian pronunciation, grammar and culture in the context of practical conversational Russian. Listening, speaking, reading, and writing to communicate in Russian in a logical, natural, and personalized way.

Prerequisites: RUSS& 121 or instructor permission

RUSS& 123
Russian III **5**
(H) Third in a sequence of courses to practice functional elements of Russian pronunciation, grammar and culture in the context of practical conversational Russian. Listening, speaking, reading, and writing to communicate in Russian in a logical, natural, and personalized way.

Prerequisites: RUSS& 122 or instructor permission

RUSS& 221
Russian IV **5**
(H) Continuation of RUSS& 123. Active and systematic review of grammar, building of vocabulary, greater emphasis on oral comprehension, compositions, readings and discussions.

Prerequisites: RUSS& 123 or instructor permission

RUSS& 222
Russian V **5**
(H) Continuation of RUSS& 221. Active and systematic review of grammar, building of vocabulary, greater emphasis on oral comprehension, compositions, readings and discussions.

Prerequisites: RUSS& 221 or instructor permission

RUSS& 223
Russian VI **5**
(H) Continuation of RUSS& 222. Active and systematic review of grammar, building of vocabulary, greater emphasis on oral comprehension, compositions, readings and discussions.

Prerequisites: RUSS& 222 or instructor permission

Spanish

SPAN 111
Conversational Spanish I **2**
First in a sequence of oral communication courses designed to accompany SPAN& 121, 122 and 123. Emphasis on oral skills with practice and reinforcement of pronunciation, grammar and conversational patterns.

Prerequisites: Concurrent enrollment in SPAN& 121

SPAN 112
Conversational Spanish II **2**
Second in a sequence of oral communication courses designed to accompany SPAN& 121, 122 and 123. Emphasis on oral skills with practice and reinforcement of pronunciation, grammar and conversational patterns.

Prerequisites: Concurrent enrollment in SPAN& 122

SPAN 113
Conversational Spanish III **2**
Third in a sequence of oral communication courses designed to accompany SPAN& 121, 122 and 123. Emphasis on oral skills with practice and reinforcement of pronunciation, grammar and conversational patterns.

Prerequisites: Concurrent enrollment in SPAN& 123

SPAN& 121
Spanish I **5**
(H) First in a sequence of courses to practice functional elements of Spanish pronunciation, grammar and culture in the context of practical conversational Spanish. Listening, speaking, reading and writing to communicate in a logical, natural and personalized way.

SPAN& 122
Spanish II **5**
(H) Second in a sequence of courses to practice functional elements of Spanish pronunciation, grammar and culture in the context of practical conversational Spanish. Listening, speaking, reading and writing to communicate in a logical, natural and personalized way.

Prerequisites: SPAN& 121, placement test or instructor permission

SPAN& 123
Spanish III **5**
(H) Third in a sequence of courses to practice functional elements of Spanish pronunciation, grammar and culture in the context of practical conversational Spanish. Listening, speaking, reading and writing to communicate in a logical, natural and personalized way.

Prerequisites: SPAN& 122, placement test or instructor permission

SPAN 182
Service Learning **1-2**
Service Learning combines the opportunity of volunteerism with academic applications of social, economic, and political issues important to the local community. Provides for real-life application of language skills and knowledge that extends learning beyond the classroom and into the community. May be repeated up to six credits.

FACULTY

Ackerman, Ken (2017)
Mechatronics/Industrial Maintenance
A.T.A., Everett Community College
B.A., Central Washington University
B.S., University of Washington

Adolphsen, Elizabeth (1999)
Medical Assisting
A.T.A., Everett Community College
B.A., California State University, Chico

Alexander, Raylene (2018)
Aviation/Avionics
B.S., M.S., Embry-Riddle Aeronautical University

Almissouri, Ayad (2023)
Art
B.A., San Diego State University
M.F.A., American University

Aubrey, Keith (1998)
English
A.A., Spokane Falls Community College
B.A., M.F.A., Eastern Washington University

Ballaru, Prathyusha (2015)
Health Science
M.S., California State
B.D.S., Bapuji Dental College

Barnes, Michelle (2014)
Early Childhood Education
B.S., Western Washington University
M.A., Northeastern University
M.Ed, Lesley University
E.D., Northwestern University

Benedetti, Nina F. (2002)
High School Completion
A.A., College of the Canyons
B.A., M.Ed., Seattle University

Berkley, Linda D. (2006)
Arts
B.F.A., Tufts University
4th and 5th Year Diploma, School of the Museum of Fine Arts, Boston
M.F.A., University of Arizona

Bertoldi, Robert X. (2000)
Public Services Librarian
B.A., Western Washington University
M.A., University of Washington
M.S., Florida State University

Boeckl, Maximiliane (2014)
Chemistry
B.S., Colorado State University
Ph.D., University of Washington

Boyd, Kristi (2015)
Nursing, RN, MSN
B.A., Linfield College
B.S.N., University of Washington
M.N., University of Washington

Brackett, Anne M. (2004)
Chemistry
B.A., Scripps College
M.S., University of Washington

Brown, Diane J. (2008)
Psychology
B.A., University of Washington
M.A., University of Northern Iowa
Ed.D., Boston University

Cahan, Andrea (2012)
Mathematics
B.S., Western Washington University
M.A., City University

Cain, Jessica (2015)
College Success
B.A., Walla Walla College
M.S.W., Western Washington University

Casson, Debbie (2015)
Mathematics
M.Ed., Princeton Theological Seminary

Chase, Darin (2019)
Advanced Manufacturing
South Seattle College

Craft, Kevin (1996)
English
B.A., University of Maryland
M.F.A., University of Washington
Language Proficiency Certificate, Université de Perpignan

Crowther, Gregory (2018)
Biology
B.A., Williams College
Ph.D., University of Washington

DePuente, Vanessa (2013)
Nursing, Med/Surg
A.D.N., Everett Community College
B.S.N., MN University of Washington

Dooley, Frederick (2017)
Biology
B.A., B.S., Ph.D., University of Washington

Edwards, Jessica (2014)
English
B.A., University of West Florida
M.S., Florida State University
M.FA., Georgia College & State University

El Radie, Eihab (2018)
Computer Science
B.S., Islamic University of Gaza
M.S., North Dakota State University

Eppley, Mark (2013)
Accounting
B.S., Central Washington University
M.R.E., George Washington University

Felsenthal, Ellen (2000)
Photography
B.A., B.F.A., University of Texas
M.F.A., University of Washington

Fennell, Jeff (2017)
Biology
M.S., Montana State University
B.S., University of Washington

Fester, Rene F. (1999)
Biology
B.A., Boston University
M.S., Ph.D., University of Washington

Fryett, Lisa (2023)
Counseling
A.A., Shoreline Community College
B.A., University of Washington
M.A., Bastyr University

Fuentes Parsons, Matthew (2012)
Engineering
B.S., M.S., University of Tennessee

Fulton, Karl (2017)
Welding
A.T.A., Everett Community College

Goodhope, Jeanie (1989)
Media Librarian
B.A., Mills College
M.L.S., University of Washington

Goyal, Rashi (2019)
Computer Science
B. Tech, Banasthali University
M.S., Washington State University

Graber, Joe (2012)
Engineering
B.S., M.S., University of Washington

Grupp, Steven R. (1999)
Geosciences
A.S., Los Angeles Pierce College
B.S., California State University, Northridge
M.S., Colorado School of Mines

Gungor-Munoz, Gokce (2015)
Psychology
B.A., M.A., Bogazici University
Ph. D., University of Kansas

Hamburg, Rhonda (2015)
Health Science
Certificate in Medical Assistant, Certificate in Phlebotomy, A.T.A., Skagit Valley College

Harker, Dana (2018)
English
B.A., M.A., Idaho State University

Hedgpeth, Jacalyn (1995)
Biology
B.S., M.S., University of Oregon

Heinke, Lonnie (2016)
Computer Science
B.S., M.S., California State University, Chico

Horn, Steven (2004)
Political Science
B.A., California State University, Sacramento
M.A., San Diego State University
M.A., Ph.D., University of Southern California

Houston, Wendy R. (1999)
Mathematics
B.A., Bowdoin College
M.A., University of Montana

Hu, Dongwa (2000)
Economics
B.A., College of Economics and Management, Beijing, China
M.A., Western Michigan University

Hugo, Alys (2014)
Mathematics
B.S., Gonzaga University
M.S., University of Washington

Jaramillo, Diana (2015)
College Success
B.A., USC, Los Angeles
M.S., Miami University

Jennings, Jennifer (2015)
Transitional Studies
B.A., University of Willamette
M.A., University of Warwick

Jipson, Kristina (2018)
English
B.A., University of Colorado
M.F.A., Columbia University School of the Arts
Ph.D., University of Notre Dame

Jones, Nancy Ellen (2014)
Photography
B.A., Franklin Pierce College
M.F.A., Tufts University

Killingstad, Christopher (2002)
Mathematics
B.S., University of Washington
M.S., Western Washington University

Kline, Corey (2020)
Mathematics
B.S., M.A., University of Alabama

Kontulis, Mark (1999)
Chemistry
B.A., Bowdoin College
M.S., University of Washington

Krock, Paula (2019)
Early Childhood Education
B.A., Western Washington University
M.Ed., Grand Canyon University

Kuwada, Brett G. (2007)
Psychology
B.A., Western Washington University
M.A., Psy.D., Argosy University

Le, Marianne D. (1999)
Public Services Librarian
B.S., University of Washington
M.S.I., University of Michigan

Lee, Thomas (1998)
Art
B.A., State University of New York
M.F.A., The Ohio State University

Lerback, Dale (2014)
Aviation
B.A., Colorado Technical University

Linton, Karen (2015)
Mathematics
M.S., Western Washington University
Ph.D., Vanderbilt University

Lothyan, Kimberly (2018)
Business
B.S., Brigham Young University
M.B.A., Western Washington University

Lothyan, Matthew (2021)
Accounting
B.S., Brigham Young University
M.Ed., Western Washington University

Lyste, Kerry (2002)
Geography
B.A., University of Washington
M.S., Western Washington University

Malone, Christine (2010)
Health Sciences
B.S., Henry Cogswell College
M. HA., University of Washington

Markovich, Theresa (1988)
Business Technology
B.S., Montana State University
M. Ed., University of Washington

Marquez, Omar (2015)
Sociology
B.A., Loyola University
M. Ed., University of Illinois

Martin, Earl E. (1990)
Counselor/Human Development
A.A., Highline Community College
B.A., B.S., M.S., Central Washington University
Ed.D., University of Washington

Martin, Vidal (1993)
World Languages
B.A., M.A., Université De Nantes

Masinelli, Ryan (2019)
Information Technology
A.T.S., Everett Community College

McLean, Gail (2012)
Nursing
B.A., Seattle Pacific University
M.N., University of Washington

Miller, Paul (2020)
Mathematics
B.S., M.S., University of Nebraska

Moore, Sharon (2015)
Adult Basic Education/ESL
B.A., Central Washington University
M.Ed., American Intercontinental University

Muñoz, Lynne M. (1996)
Business Technology
A.A., Shoreline Community College
B.A., M.Ed., Western Washington University

Murphy, Mark (1988)
Communication Studies
A.A., Clark College
B.A., M.A., Western Washington University

Murphy, Tara (2019)
Cosmetology
Gene Juarez Academy of Beauty

Myers, Gina (1994)
Counselor Human Development
B.A. (2), Western Washington University
B.A., University of Washington
M.Ed., Seattle University

Nam, Jihyun (2023)
Transitional Studies
B.A., M.A., Inha University
B.A., Hankuk University of Foreign Studies
M.A., Ph.D., Indiana University

Nanfito, Jacob (2019)
Transitional Studies
B.A., Washington State University
M.Ed., University of Missouri

Nevins, Michael A. (2008)
Developmental Education Mathematics
B.S., Western Washington University
M.S., Eastern Washington University

Newlin, Gary (2000)
English
B.A., Seattle Pacific College
M.A., J.D., University of Virginia

Olson, Jennifer (2019)
Biology, Ocean Research College Academy
B.S., Seattle Pacific University
M.S., Western Washington University

Patching, Michael (2014)
Manufacturing Technology
B.S., Utah Valley University

Paull, Terry (2015)
College Success
A.A.S., Everett Community College
B.A., M.Ed., Western Washington University

Powell, Steven. M. (2006)
Chemistry
B.S., Kansas State University
M.S., University of Washington

Prabhakar, Renuka (2016)
Engineering
B.S., M.S., University of Washington

Primacio, David (2014)
Engineering Technology

Ripper, Jason T. (2001)
History
A.A., Yakima Valley Community College
B.A., M.A., Western Washington University

Samaniego, Amber (2019)
Health Sciences
A.T.A., Everett Community College
B.S., South Seattle College

Saxton, Joseph (2019)
Economics
B.A., M.A., University of California, Riverside

Schuetze, Tracy (2017)
Cosmetology
Cosmetology & Esthetics, Gary Manuel Aveda Institute

Schwab, Kerri K. (2007)
Transitional Studies
B.A., Washington State University
M.Ed., Lesley College

Searle, Joshua C. (1999)
English, Ocean Research College Academy (ORCA)
B.A., University of Washington
M.i.T., Seattle University

Serven, Jed (2013)
Physics
B.S., Ph.D., Washington State University

Serven, Lijiao (2019)
Transitional Studies
B.A., Liaoning University of Technology
M.A., University of Idaho

Shen, Phebe Y. (2003)
English
B.A., University of California, Berkeley
M.A., University of Washington

Shirley, Susan (2020)
Nursing
B.S., M.S., Western Governors University

Sickles, Jo-Ann H. (1995)
Communication Studies
B.A., M.A., California State University, Northridge

Singh, Sumita (2000)
Chemistry
B.S., Miranda College
M.S., Delhi University
M.S., Ph.D., University of Oklahoma

Skarr, Dennis (2017)
Computer Information Systems
A.A.S.T., North Seattle Community College

Skinner, Deanna (2001)
Counselor/Human Development
B.A., Northwest Nazarene College
M.Ed., Seattle University

Steele, Isaac (2015)
Engineering
B.S., Southern Oregon University
M.S., Washington State University

Story, Michael (2012)
Mathematics
B.S., University of Chicago
M.S., University of Washington

Sullivan, Christine (2000)
Counselor/Human Development
B.A., University of Wisconsin
M.T.S., Harvard Divinity School
M.A.Ed., Seattle University

Tobias, Stephen (2018)
English
B.A., Bates College
M.A., University of South Carolina
Ph.D., University of Washington

Townsend, Tawny (2016)
College Success
B.A., Western Washington University
M.A., Western Washington University
Ed.D., University of Wisconsin, La Crosse

Trujillo, Julian (2017)
Mathematics
B.S., M.S., Western Washington University

Tuggle, Steven (2015)
Aviation
A.S., Community College of the Airforce

Uhl, Heather (2013)
Librarian
B.A., Humboldt State University
M.L.I.S., University of Washington

VanQuickenborne, Michael A. (1998)
Philosophy
B.A., St. Olaf College
M.A., University of Wisconsin, Milwaukee

Vanture, Andie (1995)
Physics/Physical Science
B.A., Pomona College
M.S., Ph.D., University of Washington

Venkatachalam, Anusha (2016)
Engineering
B.E., University of Mumbai, India
M.S., Syracuse University
Ph.D., Georgia Institute of Technology

Wahl, Andrew (2013)
Journalism
B.A., University of Washington
M.L.S., Fort Hays State University

Wangia, Eva (2017)
Nursing
B.S., M.S.N., Grand Canyon University

Warren, Kerri (2023)
Counseling
B.A., University of Washington
M.A., Seattle University

Washburn, Kristine C. (2006)
Physics
B.A., University of Colorado, Boulder
M.S. (2), University of Washington

Weiss-Green, Heidi (1991)
Mathematics
B.S., M.S., Western Washington University

Werling, Alison (2018)
Counselor, TRIO
B.S., University of Findlay
M.A., Valparaiso University

Whedon, Candace (2002)
Nursing
A.A.S., Everett Community College
B.S.N., M.N., University of Washington

White, Robert (2011)
Welding
A.S., Everett Community College

Wilner, Shannon (2011)
Nursing
B.A., Seattle Pacific University
M.S., University of Washington

Wilson, Susan (2013)
Nursing, OB, RN, MSN, MAT, CNM-ARNP
B.A., John Hopkins University
M.A., Seattle Pacific University
M.S., Yale University

Zoeller, Nancy R. (2001)
Nursing
A.A.S., Everett Community College
B.A., Furman University
M.N., University of Washington

ADMINISTRATION

Alexander, Edward (2000)
Interim Executive Director, IT
B.A., Seattle Pacific University

Arithi, Paul (2022)
Director, Center for Disability Services
B.A., Kenyatta University
M.A., Webster University

Bauer, Daniel (1999)
Interim Associate Director, IT
B.S., Central Washington University

Belcher, Joyce (2020)
Dean, STEM & Health Science Professions
B.S., Jackson State University
Ph.D., Temple University School of Medicine

Bowers, Michael (2017)
Director, Student Housing and Conduct
B.A., University of North Carolina Asheville
M.Ed., Clemson University

Burke, Shelby (2012)
Vice President, Finance
B.A., Western Washington University

Calzadillas, Herman (2016)
Dean, AMTEC
B.A., Washington State University
M.Ed., University of Washington

Campbell, Amanda (2022)
Assistant Director, Residence Life
B.S., Northwest Missouri State University
M.S., Arkansas State University

Carson, Christian (2023)
Director, Campus Safety and Emergency Management
B.S., Chaminade University of Honolulu
M.A., American Military University
Ph.D., Liberty University

Ceniceros, Kesia (2016)
Associate Dean, TRIO Student Success Programs
B.A., M.Ed., Northern Arizona University

Crawford, Chemene (2023)
President
B.S., M.H.R.O.D., University of San Francisco
Ed.D., Nova Southeastern University

Deeken, Lynn (2019)
Dean, Arts Learning Pathways
B.S., Pacific Lutheran University
M.A., University of British Columbia

Dias, Erica (2021)
Executive Director of Facilities & Operations
A.A., Edmonds Community College

Dorsey, Russell (2022)
Associate Director, Recruitment
A.T.A., Edmonds Community College

Franklin, Laurie T. (2004)
Vice President, Student Services
B.S., M.Ed., Oregon State University

Gallegos, Arantxa (2016)
Director, High School Programs
B.A., Wellesley College

Greenwood, Lori (2021)
Executive Director, Strategic Enrollment Management and Public Relations
B.F.A., University of Illinois at Chicago
M.Div., Ph.D., Saint Thomas Christian University

Hansen, Ronda (2003)
Director, Budget & Grants
A.T.A., Everett Community College
B.S., Central Washington University

Hill, Heather (2014)
Interim Director, Express Enrollment
B.S., M.B.A., Louisiana State University

Howland, Sindie (2019)
Associate Director, Change Management and Process Improvement and Design
A.A., Skagit Valley College
B.A., Washington State University

Hudson, John (2023)
Vice President, Diversity, Equity and Inclusion
A.A., North Central Michigan College
B.A., M.A., University of North Dakota
Ph.D., University of Illinois at Urbana-Champaign

Jameson, Elizabeth (2011)
Director, Regional Training
B.S., University of Arizona

Jensen, Katie (2012)
Dean of Transitional Studies
B.A., B.S., University of Kansas
M.A., University of Montana

Kveven, Ardith (2003)
Executive Director,
Ocean Research College Academy (ORCA)
B.A., University of Washington
M.S.Ed., Western Washington University

Landry, Karen (1998)
Director, Instruction for High School Programs
A.T.A., Everett Community College
B.S., M.B.A., Columbia College

Larsen, Maria Cristina (2016)
Interim Director, Enrollment and Registrar
B.A., M.A., University of Washington

Leaker, Cathy (2020)
Vice President, Instruction
B.A., University of Alberta
M.A., Dalhousie University
Ph.D., University of Rochester

Lewis, Sharon (2009)
Director, Human Resources-Faculty
B.Ed., Deakin University
M.S., Loyola University

Lovett, Hannah (2015)
Director, Educational Technology
A.A., Everett Community College
B.A., M.Ed., Western Washington University

Marcellus, David (2016)
Director, Clinical Simulation
B.A., Washington State University

Marin, Jenny (2008)
Director, Public Relations/Public Information Officer
B.A., Western Washington University

Martinez-Gomez, Jose (2013)
Interim Associate Director, IT
B.S., Universidad De La Salle Bajio

Mathis, Rebecca (2005)
Director, Auxiliary Services

Mayer, Heather (2019)
Associate Dean, Teaching & Learning
B.A., History
M.A., University of California
Ph.D., Simon Fraser University

McAvoy, Eugene (2013)
Dean, Communication and Social Sciences
B.A., University of the State of New York – Regents College
M.F.A., Old Dominion University

McConaha, Kristen (2011)
Executive Director, Corporate & Continuing Education
B.S., Central Washington University

Monson, Leah (2017)
Assistant Director, Center for Disability Services
B.A., Trinity Western University

Nichols, Linda (2009)
Director, Human Resources-Classified
B.A., Kennedy Western University

O'Farrell, Papken (2017)
Director, Program Development Criminal Justice & Fire Science
A.A., Seattle Central College
B.A., University of Washington

Olson, John D. (1990)
Executive Director, Government & Community Relations and Executive Director of the EvCC Foundation
B.A., Gonzaga University
M.A., Washington State University
Ph.D., University of Washington

Overby, Chayuda (2014)
Director, BRIDGES Center
B.S., King Mongkut's Institute
M.Ed., Antioch University

Parker, Neal (2020)
Director, Institutional Research
B.A., Willamette University
M.A., University of Chicago

Pearce, Jeffrey D. (1996)
Director, Logistics Operations
B.A., Biola University
M.A., California State University, Sacramento

Petrait, Jason (2021)
Director, Logistics Operations
B.S., University of Washington
M.A., Seattle University

Radliff, Anita (2001)

Interim Director, Financial Aid and Scholarships
A.A.S., Everett Community College

Refling, Rachelle (2008)

Director, Early Learning Center
B.A., Washington State University

Reyes, Jose (2018)

Associate Dean, Nursing
B.S., University of Washington
M.S., Western Governors University

Rhodes, Jennifer (1998)

Dean, Student Development
A.A., Shoreline Community College
B.A., M.Ed., Western Washington University

Sands, Scott (2022)

Director, Tutoring Center
B.A., Central Washington University
M.F.A., Georgia College & State University
Ph.D., Illinois State University

Sedivec, Angelic (2014)

Director, Workforce Funding
B.A., Western Washington University

Shoemaker, Lacey (2020)

Assistant Director, Emergency Management & Health/Safety
B.A., Western Washington University
M.A., University of Alaska Fairbanks

Smith, Jason (2022)

Vice President, Human Resources
B.A., Whitman College
M.A., Naval War College
M.S., Central Michigan University

Soltanshahi, Ali (2022)

Executive Director, International Education
B.A., Southern Illinois University Edwardsville
M.Ed., Iowa State University

Stam, Elizabeth (2021)

Director, Student Success Tech

Studer, Garet (2017)

Director of Athletics and NWAC Athletic Commissioner
B.A., M.Ed., Washington State University

Tune, Connie (2014)

Director, Custodial Services

Wanjiru, Dorrin (2015)

Director, Student Engagement, Retention & Diversity
LL.B., University of Dr. Babasahed Marathwada, India
Diploma in Law, Kenya School of Law
LL.M., University of Notre Dame

Weatherly, Susanne (2019)

Director, Equal Opportunity and Title IX Programs
B.A., Western Oregon University
M.B.A., Rochester Institute of Technology

Zappala, Marian (2019)

Director, MESA
B.A., B.S., M.S., New Mexico State University
Ph.D., University of Texas at El Paso

COLLEGE VOCABULARY

Academic Honors
Students who achieve quarterly grade point averages (GPAs) of 3.60 to 3.99 in at least 10 EvCC traditionally graded credits are recognized by the Office of the Vice President of Instruction. Those who achieve a quarterly GPA of 4.0 are recognized by the President's Office.

Accredited College
Certified by a regional accrediting agency as having fulfilled minimum standards. Credits from regionally accredited schools are usually transferable. Some schools are accredited by national accrediting bodies, and in some cases courses from such schools may be transferable.

Admission
Admission is the process of completing and submitting a college application. Most students complete the online application via web admissions. Some programs have additional or alternate admission processes.

Admissions Application
The process by which individuals apply to gain entry into a college or university. A web-based application allows an individual to apply for admission to several of the community and technical colleges within the state of Washington. Once processed, students are matriculated. They then receive an admissions letter via email with their ctcLink Student Identification Number (SID) and information about the next steps to take. Some programs have additional or alternate admission processes. Applying for admission is a separate process from applying for financial aid.

Advisor
A member of the college faculty designated to assist students in planning their programs of study. This includes general academic, program-specific, and entry advising.

Audit
Taking a class without receiving credit or a grade. Full tuition and fees must be paid.

Blocks
A block is punitive in nature, preventing a student from registering for classes, and/or from obtaining an official transcript. Blocks are not removed until the student has conducted whatever business is needed to do so (pay a fine, meet with a dean, etc.).

Catalog
The annual contract with students. The catalog contains college policies and procedures. This contains course definitions and descriptions.

Class
A specific section of a Course (English 101 Section A), has a class number.

Class Item Number
A 5-digit number found in the class schedule, specific to the class, section, and the quarter offered.

Class Section
Courses are broken down into class sections. They are the same class offered at different times, locations, and can differentiate teaching modalities such as in-person, online or hybrid classes. Please refer to EverettCC.edu/Classes for a complete list of section definitions.

Class Schedule
The list of classes offered in any given quarter, and gives an overview of information found in the catalog. EvCC's class schedule is available online at EverettCC.edu/Classes.

College in the High School
A free dual credit program where high school students, grades 9 through 12, can take college-level courses at their high school.

Commencement
An annual ceremony recognizing students' academic accomplishments.

Course
The specific discipline (subject), such as English 98 or Math& 141.

Common Course Number (&)
A course number that contains an ampersand (&) is a course number and course title shared by many colleges in the Washington community and technical college system, thereby assisting students who may transfer from one community college to another.

Co-requisite
A course that must be taken during the same quarter as another course.

Counselor
A member of the college faculty who has professional training in counseling and who assists students who have challenges of an academic, career or personal nature.

Course Repeat
The process of repeating a course for the purpose of improving a grade. The highest grade earned of the original or repeated courses will be used to calculate the student's cumulative grade point average. In no circumstance will any course be repeated more than twice in order to improve a grade; (this is defined as two repeats in addition to the original enrollment). The student must register for the course they plan to repeat, and pay all necessary fees. If the class was taken prior to Fall 2021, a Course Repeat Form must be turned into Enrollment Services.

Credit, Unit, Credit Hour, or Quarter Hour
A measure of college work. In lecture and seminar classes, one credit hour is given for one clock hour of attendance each week for one quarter. In non-lecture courses, however, two or three clock hours of attendance each week are required to earn one credit. The quarter hours of credit for each course are shown after the course titles in the Course Descriptions section of this catalog.

ctcLink
EvCC's student management system is used for admissions, class registration, and more. ctcLink has been implemented by all 34 community and technical colleges in a centralized system. For more information, please visit EverettCC.edu/ctcLink.

CTE Dual Credit
A low cost dual credit program where high school students, grades 9 through 12, can take college-level vocational/technical courses at their high school. Formerly known as Tech Prep.

Current Student and Returning Student
A current student is a person who has attended EvCC within the last two quarters (not including Summer.) A returning student is a person who attended EvCC more than 3 quarters ago (not including Summer Quarter).

Curriculum
The complete list of courses offered by the college. Also, a group of courses required for a specific degree.

Deficiency
Lack of credit in a course required for a program or degree.

Degree or Certificate
Awarded by the college to signify that a student has successfully completed a prescribed program of study.

Degree Planner
A tool to assist in the evaluation and planning of a student's academic and professional/technical goals while at Everett Community College. Combines any courses that have been successfully completed at EvCC, any officially transferred-in courses from different institutions via a Transfer Credit Evaluation, and current enrollment records at EvCC. Student's can access their Degree Plan at EverettCC.edu/Starfish.

Direct Transfer Agreement (DTA)
An associate degree which confers specific transfer rights to most four-year colleges and universities in Washington state. See direct transfer degree curriculum guide for completion requirements.

Distribution Areas
Courses in each distribution area may share subject matter, ways of acquiring new information, evaluative criteria, and modes of analysis. Awarding of a certificate(s) and/or degree(s) requires the completion of outlined distribution area credits in the Curriculum Guide. Refer to Direct Transfer Agreement Curriculum Guide for a complete list of all distribution area courses.

Distinction
Students who have met specific degree and/or certificate requirements are recognized with Distinction if their EvCC Cumulative GPA is 3.20 or above, as noted:
3.20-3.59 = Distinction
3.60-3.99 = High Distinction
4.0 = President's Distinction

Division
An administrative unit within the instructional area of the college, e.g., Social Sciences.

Domicile
The country/state that a person treats as their permanent home, or lives in and has a substantial connection with. To reside/live in a place does not mean Domicile, as someone can live in Washington and have established Domicile in another state.

Drops
A procedure whereby the institution or the student officially cancels enrollment in classes they are registered.

Dual Credit
College courses that allow high school students to earn high school and college credit simultaneously. Dual Credit programs include College in the High School, CTE Dual Credit, Running Start, and Ocean Research College Academy (ORCA).

Elective
A course which is not required for a particular program, but may be counted toward the total number of credits required for a certificate or degree.

Enrolled
A student becomes officially enrolled in a class by registering for it. For the purposes of Transfer Credit Evaluations, Enrolled Students are students who have registered for classes in the current quarter, or have credits already transcripted at EvCC.

Enrollment Services Office
Provides primary entry services to prospective students. Enrollment Services coordinates admissions, placement, and registration processes, as well as records and credential evaluations. Also referred to as Admissions and Registration.

Fees
Costs associated with classes, and other services, such as the E-Tech fee, Campus Enhancement fees, Green fees, state-supported credits, self-support credits.

Financial Aid
Financial aid is money to help pay for college. Grants, work-study, loans, and scholarships help make college affordable.

Financial Aid Application
The primary document used to determine eligibility for financial aid is the Free Application for Federal Student Aid (FAFSA). Applicants provide detailed information about their financial situation, and the data is analyzed by the U.S. Department of Education using a standardized formula called Federal Methodology. This formula assesses each applicant's ability to contribute toward their education, and the EvCC Financial Aid office uses this information to determine the applicant's financial need. We use the following formula to determine eligibility: Cost of Attendance - Expected Family Contribution (EFC) - Other Resources = Financial Need. (Page 40). This is a separate step from applying for admission to the college. After you complete your FAFSA or WASFA, EvCC's Financial Aid Office will email you at the address you put on your application. Log into the Student Homepage of your ctcLink account to view your financial aid application status, aid offered, messages and your To Do List.

Flags
This is a Starfish term for Blocks.

Full-time
For enrollment verification purposes, a minimum of 12 credits in a given term is full-time. Note: for summer quarters only, the Veterans' Office sets the minimum credits for full-time status for qualifying veterans.

General Educational Development (GED)
A series of exams which, with successful completion, will earn a GED (General Education Development) Certificate. These tests are offered at the college, but the credential is not awarded or transcribed by the college. The test is offered in the Testing Center by appointment only. If needed, the Transitional Studies division offers classes to help students prepare for the GED Test.

Grade Point Average (GPA)
The GPA is a measure of the student's overall academic performance. It is based upon those courses in which a student has received letter grades A through F. Non-traditional grades are excluded from GPA calculations. The Cumulative (CUM) GPA includes all courses taken at EvCC with traditional grades. The College Level (CLVL) GPA includes only those courses taken at EvCC numbered 100 and above with traditional grades. See the academic regulations section of this catalog for more information.

Graduation Application
File an application for your diploma or certificate with the Enrollment Services office. This should be done at least one quarter before the quarter of intended graduation. See the Important Dates calendar in the front of the Catalog. Students who plan to participate in the June commencement ceremony and have their name printed in the commencement program must file an application for a diploma by the deadline published on EvCC's website and in the front of this Catalog. The deadline is typically about 18-20 weeks prior to graduation; applications received after that deadline will still receive consideration but may be delayed until the on-time applications are completed. The diploma application must be filed with the Enrollment Services office. For information about Washington Application for State Aid, please refer to WASFA.

High School Completion
Program for students 16 years and older who do not have a high school diploma. Students can take high school or college level courses to meet state high school graduation requirements at EvCC.

Holds
In ctcLink, Holds can be punitive or not. A punitive hold will not allow registration. A non-punitive hold can be used to prevent classes being dropped for non-payment or while funding is being processed. These are primarily used by offices attached to funding (Financial Aid, Veterans' Resources Center, Financial Referral Center, etc.), though not exclusively.

Honor Society
Students who meet the academic requirements are provided the opportunity to join the International Honor Society for Two-Year Colleges, Phi Theta Kappa. Students who are members transferring to or from EvCC are able to transfer their membership to the current school they are attending.

Honors Program
Students who have completed the program requirements are provided the opportunity to enrich their academic experiences at EvCC. This can be done by either taking honors sections of courses, or by completing an Honors Contract with a specific instructor to enhance traditional sections of classes.

Hybrid Class
Classes held both in-person and online. Classes replace a portion of in-class time with online work.

Incomplete
A grade given when an instructor agrees to allow the student to finish course requirements beyond the official ending date of the course.

Independent Studies Class
Classwork is arranged with a faculty member with a learning contract.

Kudos
This is a Starfish term. These are placed on a student's account when EvCC faculty and/or staff want to send a student a personalized note of encouragement or congratulations.

Lower Division
Freshman and sophomore-level courses numbered 100-299.

Mandatory Entry Advising
All new, degree-seeking students are required to complete Entry Advising. Students are matched with a program advisor in their first term of enrollment and are encouraged to contact that faculty member for degree planning support.

Major
The subject or field of study to which the student devotes concentrated attention.

Non-Resident Student
See resident student.

Ocean Research College Academy (ORCA)
A full-time Running Start option for high school juniors and seniors. Students can earn up to two years of tuition-free college credit while completing high school.

Official Transcript
A sealed copy of the student's academic record bearing the college seal, the signature of the Registrar, and mailed directly to the receiving party from Everett Community College. Upon request, a sealed copy of an official transcript may be given to the student. A sealed transcript becomes unofficial when opened by anyone other than a college or university official.

Online class
Asynchronous Online: Classes do not require specific meeting times. Instructors will provide due dates and students will have flexibility in what time of day they work on the course. Check the course description in the class schedule to see if a course requires in-person exams.

Synchronous Online: The class requires virtual meetings at a specific time. Check the course description in the class schedule to see if a course requires in-person exams.

Open Enrollment/Registration
The period of time that registration is open to all students. Once this window opens, students are eligible to register at any time online or in person, until classes begin. Once the quarter starts, unless it is a Late Start class, instructor permission is required to register in any class.

Outreach
The act of going out into the community and letting prospective students, families, and the community know that opportunities for higher education exist at EvCC. This refers to talking about the programs we offer, and the methods to apply, financial aid, etc. Outreach is more broad in activities than recruiting.

Pathways
Pathways are groups of related degrees and certificates to help clearly define a student's academic goals.

Permission
Written permission from an instructor, received either via email, a physical signature, or a permission code for entry into a specific class.

Permission Codes
A 6-digit number generated for students to use during online registration when instructor permission is required. Can also be used in person with Enrollment Services.

Placement
Establishes a baseline to assess skills in Math and English, and can satisfy the prerequisites for courses here at EvCC. Placement can be established with previously taken tests scores, or classes and grades on high school or university transcripts. Obtaining Placement is a requirement for all degree and/or certificate seeking EvCC students who wish to register for eight or more credits with

math and/or English prerequisites. There is no credit granted for placement.

Pre-Professional
A program designed to prepare students for later specialization in a particular field upon transfer to a college or university.

Prerequisite
A course which must be taken before a student is allowed to take another course. For example: Math 096 is a prerequisite for Math &141. Listed as Enrollment Requirements in quarterly class schedule.

Probation, Academic Dismissal
A status imposed upon a student because of low grades or lack of completion. See the academic regulations section of this catalog.

Prospective Student
A student who has never attended Everett Community College.

Quarter (also referred to as Term)
A term of instruction consisting of approximately 11 weeks. The regular academic year includes Fall, Winter and Spring quarters; Summer is abbreviated to 8 weeks and is an optional term.

Recruiting
Actively working with a prospective student to get them admitted and ready for their life as a student. Recruitment is more specific and granular than Outreach, and can include working one-on-one with a student.

Registration
The selection of classes by admitted students via submission of a completed class registration form or completion of the online registration process. A student becomes officially enrolled in a class by registering for it and assumes responsibility for payment once registered.

Registration Dates
Prioritized registration dates for upcoming quarters for students who are enrolled currently, or have been enrolled within the past four quarters. Registration Dates are calculated using the number of college credits a student has already earned at EvCC. Often referred to as Registration Appointments.

Resident Student
A student who pays resident tuition and fees as defined by Washington state law. See Enrollment Services section of this catalog.

Running Start
A tuition-free dual credit program where high school juniors and seniors can take college-level classes at EvCC campuses to earn college credit and complete high school graduation requirements.

Running Start Application
An online application for admission to the Running Start program, which is open to students who are, or will be, high school juniors and/or seniors when attending EvCC. Students should follow the Running Start Application Steps found on the Running Start 'Steps to Apply' webpage at EverettCC.edu/RunningStart.

Running Start Enrollment Verification Form
A form submitted to the Running Start office every Fall, Winter, and Spring quarter by admitted Running Start students. This informs EvCC staff of college credit eligibility allowed by the high school, and acts as a release form from the school district. This form must be signed by a high school counselor, the student, and legal parent/guardian. The form must be submitted at least three business days before a student registers.

Starfish
Starfish is EvCC's student success and retention tool. Students can schedule appointments with participating instructors and staff, reach out to services for assistance, and get a variety of notices about how to be successful.

Transfer Credit
Traditional or non-traditional credit(s) not obtained directly from EvCC but eligible for use toward an EvCC degree or certificate from transcripted courses completed at other colleges or universities. These credits are added to a student's EvCC record to be

used toward degree and/or certificate requirements. Transfer Credit Evaluations are requested by submitting official college or university transcripts and the Transfer Credit Evaluation form.

Transfer Credit Evaluation
The Transfer Credit Evaluation should be requested after registering for courses at EvCC in order to transfer credits earned at other institutions to EvCC.

Transfer Student
A student who goes on to a four-year college or university after attending a community college. Also, a student who comes to a community college from another community college, college or university.

Transitional Studies
Pre-college level courses for those who wish to improve their basic skills, upgrade employability, or prepare for further study. Students can take classes to finish high school, earn a GED, improve communication skills in English, or build a foundation in reading, writing, and math.

Tuition
Tuition payments are fees charged by education institutions for instruction or other services.

WASFA
Washington Application for State Financial Aid. A free application that allows non-citizens to apply for student Financial Aid in Washington State.

Withdrawal
A procedure whereby students officially notify the Enrollment Services office in writing, after the refund deadline, when they intend to cancel enrollment in classes they have already begun attending. Will result in a W grade on the student's transcript, but will not affect the student's overall GPA at EvCC.

4. Academic Credit for Prior Learning

Everett Community College recognizes the evidence-based value of Academic Credit for Prior Learning (ACPL) in opening access to higher education, in closing opportunity gaps in degree pathways, and in promoting equitable credential completion. In keeping with Goal 2.2.2 of EvCC Strategic Plan, with RCW 28B.77.230, with NWCCU Standard 1.C.8, with SBCTC Policy 4.10.40 and with the Ten Standards of Assessing Learning published by the Council of Adult and Experiential Learning (CAEL), the following policy is designed to:

1. Expand and make equitable institutional recognition of the diverse formal and informal pathways through which students may acquire college-level learning.
2. Ensure that credit award decisions are applied equitably for all students, regardless of the particular department, program of study, mode of learning or ACPL category. 3. Ensure that academic credit is awarded on the basis of evidence of learning not on the basis of experience alone or on time spent.
4. Establish consistent processes for the assessment, award, and transcription of academic credit for prior learning at EvCC.
5. Clearly and transparently promote ACPL opportunities to new and continuing students across all divisions and programs.
6. Create equity-minded protocols to engage and support learners throughout the ACPL process.
7. Increase the number of students, especially BIPOC students and non-traditional learners, awarded ACPL credits for the diverse college-level learning they bring to the college. 8. Close opportunity gaps in retention and completion by honoring diverse pathways to degree attainment.

All enrolled students are eligible for ACPL.

In accordance with RCW 28B.77.230, this policy defines prior learning as "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."

Determinations of ACPL credit awards are subject to the same academic grievance process that governs all academic decisions at EvCC.

How to apply for ACPL
Please refer to EverettCC.edu/TransferCredit for instructions on how to apply for ACPL credit.

ACPL Fees
ACPL fees support ACPL application, assessment and transcription processes. Neither the success of the application, nor the number of credits requested or awarded, has any bearing on EvCC's ACPL fee structure. Fees are charged when students submit their application. All ACPL fees are posted on EvCC's website at EverettCC.edu/TransferCredit. ACPL fees are non-refundable and must be paid prior to completing the assessment. Payment does not ensure approval of credit.

ACPL Limitations
The following are the limitations for credit earned via Academic Credit for Prior Learning:

- No more than 50% of any professional or technical credential (certificate or degree) may be awarded through ACPL.
- Students may not seek ACPL credit for a course in which they were previously enrolled.
- ACPL credit must be applicable to students' academic or professional program of study. In some cases, up to a level of 15 credits maximum, students may receive elective credit for college level learning even when

an equivalent course is not listed in the college catalog, but the credit so awarded must still fit within the student's program.

- Many four-year institutions may or may not accept ACPL as transfer credit. Students are responsible for consulting with their advisor or other college resources to ensure they understand ACPL transfer policies for specific four-year institutions. Per SBCTC Policy 4.10.40, credit earned through Academic Credit for Prior Learning at one college will be accepted toward the appropriate course or program at any other community and technical college in the Washington State system.

How is ACPL Transcribed

For all ACPL methods except Challenge Exams, a letter grade of S for the specific ACPL topic is added to the student transcript after a signed formal recommendation is submitted to Enrollment Services by the faculty member or designee. Challenge exams will be assigned a letter grade commensurate with the students' performance on the exam. All ACPL will be transcribed for the quarter in which the assessment is completed.

In accordance with Washington state protocol, credits awarded for Extra Institutional Learning, Prior Experiential Learning or Challenge Exam will be designated as Other Credit on the transcript; credits awarded through Credit by Testing will be designated as Test Credit on the transcript. Unique codes will be used to assist in tracking and reporting credits awarded through ACPL.

Types of ACPL

Per SBCTC Policy 4.1.40, EvCC will award Academic Credit for Prior Learning according to the the following four methods:

4a. **Credit by Testing:** Credit by examination is granted for minimum test results in the following nationally normed examination programs: College-Level Examination Program (CLEP), DSST (or DANTES), Advanced Placement (AP), Cambridge International (CI) and International Baccalaureate (IB). Minimum scores required to earn credit follow the guidelines as established by the state board and are posted on the college's exam crosswalk in order to be easily accessible and available to students. Please note: Per state policy, students seeking to apply Credit by Testing credits to the Direct Transfer Agreement (DTA) are limited to a maximum of 15 restricted elective credits. 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 exam credits.

Advanced Placement Examinations (AP)

Official Score reports are required. For Score Reports, please visit collegeboard.org

Examination	Score	EvCC Equivalency	Quarter Credits
Art-Art History	3, 4, or 5	ART& 100	5
Art-Studio Drawing	3	Elective (A)	5
Art-Studio Drawing	4, or 5	ART 115	5
Art-2D Design	3, 4 or 5	Hum Distribution	5
Art-3D Design	3, 4 or 5	Hum Distribution	5
Biology	3, 4 or 5	BIOL& 100	5
Calculus AB	3, 4, or 5	MATH& 151	5
Calculus BC	3, 4, or 5	MATH& 151 and 152	10
Chemistry	3, 4	CHEM& 121/161	5/ 5.5
Chemistry	5	CHEM& 161 and 162	11
Chinese Lang & Culture	3, 4	CHIN& 121	5
Chinese Lang & Culture	5	CHIN& 121 and 122	10
Computer Science A	3	Elective	5
Computer Science A	4 or 5	CS& 141	5
Computer Science AB	3, 4, or 5	Elective	5
Comp Sci Principles	3, 4, or 5	CS 110	5
Economics (Macro)	3, 4, or 5	ECON& 202	5
Economics (Micro)	3, 4, or 5	ECON& 201	5
English - Lang & Comp	3	Elective	5
English Lang & Comp	4, 5	ENGL& 101	5
English - Lit & Comp	3, 4, or 5	Humanities	5
Environmental Science	3	ENVS& 100	5
Environmental Science	4, 5	ENVS& 101	5
French - Language	3	FRCH& 121	5
French - Language	4	FRCH& 121 and 122	10
French - Language	5	FRCH& 121, 122, 123	15
French - Literature	3	FRCH& 121	5
French - Literature	4	FRCH& 121 and 122	10
French - Literature	5	FRCH& 121 ,122, 123	15
Geography - Human	3, 4, or 5	GEOG 777S	5
German - Language	3	GERM& 121	5
German - Language	4	GERM& 121 and 122	10
German - Language	5	GERM& 121, 122, 123	15
Government & Pol US	3	Elective	5
Government & Pol US	4, 5	POLS& 202	5
Government – Comparative	3	Elective	5
Government – Comparative	4, 5	POLS& 101	5
History - American (US)	3	HIST& 146	5
History - American (US)	4 or 5	HIST& 146 and 147	10
History - European	3	HIST 111	5
History - European	4 or 5	HIST 111 and 112	10
History – World	3, 4 or 5	HIST 103	5
Italian - Lang	3 or 4	ITAL& 121	5
Italian - Lang	5	ITAL& 121 and 122	10
Japanese - Lang	3 or 4	JAPN& 121	5
Japanese - Lang	5	JAPN&121 and 122	10
Latin Literature	3, 4 or 5	Hum Distribution	5
Latin Lit/Culture	3, 4, or 5	Hum Distribution	5
Latin Virgil	3	Elective (A)	5
Latin Virgil	4	Hum Distribution	5
Latin Virgil	5	Hum Distribution	10
Music - Listening & Lit	3, 4, or 5	MUSC& 105	5
Music - Theory	3, 4, or 5	MUSC& 141	5
Physics 1	3	PHYS 777	5
Physics 1	4 or 5	PHYS& 114	5
Physics 2	3	PHYS 777	5
Physics 2	4 or 5	PHYS& 115	5
Physics B	3, 4 or 5	PHYS 777	5
Physics C (Mech)	3	PHYS 777	5
Physics C (Mech)	4 or 5	PHYS& 241 and 231	5
Physics C (E&M)	3	PHYS 777	5
Physics C (E&M)	4 or 5	PHYS& 243 (no lab credit)	4
Psychology	3	Elective (A)	5
Psychology	4 or 5	PSYC& 100	5
Spanish - Language	3	SPAN& 121	5
Spanish - Language	4	SPAN& 121 and 122	10
Spanish - Language	5	SPAN& 121, 122, 123	15
Spanish – Lit & Culture	3	SPAN& 121	5
Spanish – Lit & Culture	4	SPAN& 121 and 122	10
Spanish – Lit & Culture	5	SPAN& 121, 122, 123	15
Statistics	3, 4 or 5	MATH& 146	5

College Level Exam Program (CLEP)

Official Score Reports are required. For official reports, please visit collegeboard.org

*Students must submit the written portion of the exam to be graded for consideration for credit for ENGL& 101.

Please note that some other colleges and universities may not accept these credits. For transfer degrees, credits awarded for CLEP generally can only be applied as B List (Restricted) Electives, maximum 15 credits.

CLEP Examination	Min.Score	EvCC Equivalency	Quarter Credits
Financial Accounting	50	ACCT& 201	5
Financial Accounting	65	ACCT& 201 and 202	10
Principles of Management (Needs culminating project)	50	BUS 200	5
Principles of Marketing (Needs culminating project)	50	BUS 150	5
American Literature	50	ENGL 240	5
Analyzing & Interpreting Lit. (Must write and submit the optional essay)	50	ENGL& 111	5
English Literature (Must write and submit the optional essay)	50	ENGL 229	5
College Composition Modular	50	ENGL& 101*	5
History: US I	50	HIST& 146	5
History: US II	50	HIST& 148	5
History: Western Civilization I	50	HIST 111	5
History: Western Civilization II	50	HIST 112	5
Humanities	50	HUM& 101	5
Information Systems and Computer Applications	50	IT 101	5
French	51	FRCH& 123	5
French	63	FRCH& 123 and 223	10
German	51	GERM& 123	5
German	65	GERM& 123 and 223	10

Spanish	51	SPAN& 123	5
Spanish	67	SPAN& 123 and 223	10
College Mathematics	50	MATH& 107	5
College Algebra	50	MATH 138	5
Precalculus	50	MATH& 141	5
Calculus	50	MATH& 151	5
American Government	50	POLS& 202	5
Introductory Psychology	50	PSYC& 100	5
Human Growth and Development	50	PSYC& 200	5

International Baccalaureate

Official IB Score reports are required.

IB SL/HL Exam	Score	EvCC Equivalency	Credits
African History	4	ELECT (A)	5
African History	5 or above	HIST 999	5
American History	4	Elective (A)	5
American History	5 or above	HIST& 146 or 147 or 148	5
Language A	4	Elective (A)	5
Arabic A, Chinese A, French A, Japanese A, Russian A, Spanish A	5 or above	World Language	5
Language B	4	Elective (A)	5
Arabic A, Chinese A, French A, Japanese A, Russian A, Spanish A	5 or 6 7	World Language World Language	5 10

Art/Design	4	Elective (A)	5
	5 or above	Humanities distribution	5
Biology	4	Elective (A)	5
Biology	5 or above	BIOL& 100	5
Business & Management	4 or above	Elective (A)	5
Chemistry	4	Elective (A)	5
	5	CHEM& 121 or 161	5
	6 or 7	CHEM& 121 or 161, or 162	5
Computer Science	4 or above	Elective (A)	5
Design Tech	4	Elective (A)	5
	5 or above	ENGR& 104	5
East/Southeast	4	Elective (A)	5
Asia & Oceania	5 or above	HIST 999	5
History			
Economics	4	Elective (A)	5
	5	ECON& 201	5
	6 or 7	ECON& 201 and 202	10
English A	4	Elective (A)	5
Literature	5 or above	ENGL& 111	5
English A	4	Elective (A)	5
Language & Literature	5 or above	ENGL& 101	5
European	4	Elective (A)	5
History	5 or above	HIST 111 or 112	5
Geography	4	Elective (A)	5
	5 or above	GEOG 777S	5
Global Politics	4 or above	Elective (A)	5
Information	4 or above	Elective (A)	5
Technology			
Mathematics	4	Elective (A)	5
	5 or 6	MATH& 142	5
	7	MATH& 151	5
Further Mathematics	4	Elective (A)	5

	5 or above	MATH& 151	5
Music	4	Elective (A)	5
	5 or above	MUSC& 105	5
Philosophy	4	Elective (A)	5
	5 or above	PHIL& 101	5
Physics	4	Elective (A)	5
	5 or above	PHYS& 114, 115, and 116	15
Psychology	4	Elective (A)	5
	5 or above	PSYC& 100	5
Social & Cultural	4	Elective (A)	5
Anthropology	5 or above	ANTH& 206	5
Sports,	4 or above	Elective (A)	5
Exercise & Hlth Science			
Theatre	4	Elective (A)	5
	5 or above	DRMA& 101	5
Visual Arts	4	Elective (A)	5
	5 or above	ART& 100	5

CI – Cambridge International Examination

The chart included on this page represents course equivalencies awarded for each Cambridge International (CI) exam score and recognized by all community and technical colleges in Washington. Colleges may award additional credits based on local policies, when appropriate, but should not award course equivalency credit for scores lower than those listed in this table.

4.60.53 Cambridge (CI)

Washington state community and technical colleges will award unrestricted elective credit for a Cambridge (CI) score of E on A and AS level exams. 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. Requirements of the Associate of Arts (AA) General Transfer degree allow ten (10) credits maximum from any single department for Humanities Social Sciences and Natural Sciences distribution requirements. A maximum of five (5) credits of World Language can be used for Humanities distribution.

For Cambridge exams that are not listed here (Afrikaans, Arabic, Divinity, Hindi, Hinduism, Information Technology, Islamic Studies, Law, Portuguese, Tamil, Travel & Tourism, or Urdu), please contact your college's Office of Admissions or Enrollment Services.

Name	Exam	Minimum Credit
Accounting	A Level	ACCT& 201, ACCT&202, and ACCT&203 (15)
Accounting	AS Level	General electives (5)
Art & Design	A Level	Humanities Distribution in art (10), and general electives (5)
Art & 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 & Design	A Level	Humanities Distribution (10) and general electives (5)
Digital Media & Design	AS Level	Humanities Distribution (7.5)
Drama	A Level	DRMA&101 (5), humanities (5) and general electives (5)
Drama	AS Level	DRMA&101 (5), and general electives (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	GERM&121, GERM&122, and GERM&123 (15) ...UW gives primarily 300-level credit
German - Language	AS Level	GERM&123 (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 sciences 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)
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&114, PHYS&115, and PHYS&116 (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 (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, 122, and 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)

4b. **Prior Experiential Learning**: Students may request to have their prior learning assessed through completing and submitting a learning portfolio. The student creates a portfolio of prior experiences, articulating how the prior learning led the student to mastery of specific course learning outcomes. Because the Prior Learning portfolio requires a significant investment of time, **permission from a faculty advisor is required before students can begin the process.** The portfolio should include evidence of meeting learning outcomes, including certificates, employer testimony, detailed description of completed projects etc. Students may be encouraged to take an ACPL Portfolio course to support them through the process of articulating and documenting their learning.

4c. **Extra-Institutional Learning**: Students may be awarded credit knowledge and skills acquired outside a higher education institution but objectively verified through third-party certifications. As designated and approved by appropriate faculty, this category may include military training, training assessed by the American Council on Education (ACE), and industry and/or professional certification (i.e. accredited trades training Police, Fire, AmeriCorps, Military, etc.). Relevant program faculty identify extra institutional learning, establish credit equivalencies, and document these in a public ACPL crosswalk in order to be accessible and available to students.

Additional Information for Military Training and Education Records
EvCC uses recommendations made by the American Council on Education as a guide when evaluating military training and education records. Request your Joint Services Transcript at jst.doded.mil. Upon your request, they will send a copy to us.
For the U.S. Air Force, please go to Community College of the Air Force (CCAF) at www.airuniversity.af.edu/Barnes/CCAF.

Per VA regulations, students using VA education benefits must submit official military transcripts and all previous college transcripts for transfer credit evaluation. VA does not pay for repeated credits.

4d. **Challenge Exams:** Students may demonstrate that they have met the learning objectives of EvCC courses through successfully completing a challenge exam. As determined by the appropriate faculty, course challenge exams can take multiple formats (including written exams, oral exams or interviews, practical skills demonstrations) through which a student demonstrates achievement of specific course objectives. Department faculty are encouraged to identify which courses in their purview are eligible for challenge exams and to develop the examination format and minimum score which must be met to award credit. Students earning ACPL through Challenge Exams will be awarded a letter grade commensurate with their performance on the exam.

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AAS-DTA - Direct Transfer Agreement (LASDTAA) Active: Sp 2022

Everett Community College awards the Associate in Arts and Sciences Direct Transfer Agreement Degree (AAS DTA). The outlined plan is to best prepare you for your graduation from EvCC to continue your work towards your Bachelor's degree when you transfer to another college or university.

By following this plan you will have earned your AAS DTA here and completed many of the foundation courses at EvCC that will be required at the transfer institution(s). As you work to complete your AAS DTA Degree Plan, you should work closely with your Academic Advisor.

COLLEGE SUCCESS - 2 UNITS TOTAL

COLLEGE 101 or STEM 101 is mandatory for all new degree-seeking students. The class may be waived due to previous college coursework, or the specific course of study. Students in the following programs are exempt from this requirement: Advanced Manufacturing Technology, Aviation, Basic Skills, Certified Nursing Assistant, Cosmetology, EMT, Fire Science, Medical Assisting, Medical Coding, and Running Start.

Course No.	Course Title	Units	Term Completed	Comments
COLL101 *or* STEM101	College Success *or* College Success in STEM	2		

BASIC COMMUNICATION SKILLS - 10 UNITS TOTAL

Select courses from the DTA approved Communication Skills course list. At least 5 units must be earned in English Composition.

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		
	Communication	5		

BASIC QUANTITATIVE SKILLS - 5 UNITS TOTAL

Select courses from the DTA approved Quantitative Skills course list. The institution(s) you are looking to transfer to may require different Quantitative Skills courses. Be sure to verify the requirements of the transfer institution(s).

Course No.	Course Title	Units	Term Completed	Comments
	Quantitative	5		

HUMANITIES - 15 UNITS TOTAL

Select courses from the DTA approved Humanities course list. Courses must be from 2 different disciplines and no more than 10 credits in any one discipline may be used in Humanities, Social Science, and Natural Science altogether. Not more than 5 Humanities Performance (HP) and/or 5 World Language units may be used to fulfill this requirement. Any additional Humanities units beyond 15 will be counted towards your Electives.

Course No.	Course Title	Units	Term Completed	Comments
	Humanities	5		
		5		
		5		

SOCIAL SCIENCES - 15 UNITS TOTAL

Select courses from the DTA approved Social Sciences course list. Courses must be from 2 different disciplines and no more than 10 credits in any one discipline may be used in Humanities, Social Science, and Natural Science altogether. Any additional Social Science units beyond 15 will be counted towards your Electives.

Course No.	Course Title	Units	Term Completed	Comments
	Social Sciences	5		
		5		
		5		

NATURAL SCIENCES - 15 UNITS TOTAL

Select courses from the DTA approved Natural Sciences course list. This must include at least 1 Lab Science course. Courses must be from 2 different disciplines and no more than 10 credits in any one discipline may be used in Humanities, Social Science, and Natural Science altogether. A maximum of 5 units from Part C: Other Science courses may be used to fulfill this requirement. Any additional Natural Science units beyond 15 will be counted towards your Electives.

The institution(s) you are looking to transfer to may require different Natural Science courses. Be sure to verify the requirements of the transfer institution(s).

Course No.	Course Title	Units	Term Completed	Comments
	Natural Sciences	5		
		5		
	1 Lab Science Course	5		

ELECTIVES - 28 UNITS TOTAL

A total of 28 units must be completed in electives which may be selected from Communication Skills, Quantitative Skills, Humanities, Social Sciences, Natural Sciences, and List A Transfer Electives. Within these electives, a maximum of 13 units from the List B Applied Electives may be used. No more than 3 PE activity units may be used as electives. If College Success is not required, this will increase to 30 units total and no more than 15 List B units.

Course No.	Course Title	Units	Term Completed	Comments
	Electives	**5**		
		5		
		5		
		5		
		5		
		3		

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. Though units will appear in this section as completed, they are not counted in the overall earned units for the degree. The course and units earned will appear above and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

Everett Community College does not discriminate based on, but not limited to, race, color, national origin, citizenship, ethnicity, language, culture, age, sex, gender identity or expression, sexual orientation, pregnancy or parental status, marital status, actual or perceived disability, use of service animal, economic status, military or veteran status, spirituality or religion, or genetic information in its programs, activities, or employment. The Title IX Coordinator has been designated to handle inquiries regarding nondiscrimination policies and can be reached at 2000 Tower Street, Everett, WA 98201, TitleIXCoordinator@everettcc.edu, or 425-388-9271.

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Accounting ATA (ATBACAPT) Active: F 2023

Students must earn a C grade (2.0) or better in all required courses.

Bookkeeping Certificate Requirements – 50 units

Course No.	Course Title	Units	Term Completed	Comments
ACCT110	Small Bus Accounting	5		
ACCT112	Business Taxation	5		
ACCT&201	Prin of Accounting I	5		
ACCT&202	Prin of Accounting II	5		
ACCT210	Payroll	5		
ACCT215	Computer Accounting	5		
BT242	Excel	5		
	BUS130 or MATH&107 or higher	5		
CL101	Computer Literacy	5		
ENGL&101 *or* ENGL98	English Composition I *or* Intro to College Writing	5		

Degree Requirements – 40 units

Course No.	Course Title	Units	Term Completed	Comments
COLL101 *or* STEM101	College Success *or* College Success in STEM	2		
ACCT&203	Prin of Accounting III	5		
ACCT230	Intro to Fraud Examination	5		
ACCT250	Capstone Financial Accounting	5		
BT243	Advanced Excel	5		
BUS&101	Intro to Business	5		
BUS110	Business Communications (D)	5		
BUS&201	Business Law	5		
BUS135	Introduction to Data Analytics	3		

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. No units will appear in this section as completed. The course and units earned will appear below and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 units minimum

NON-DISCRIMINATION STATEMENT

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EVERETT COMMUNITY COLLEGE
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BAS in ACCOUNTING (ATBACBAS) Active: F 2023

Notes for the Bachelor of Applied Science in Accounting (BAS)

Acceptance into the BAS in Accounting is required. Students need to complete the BAS in Accounting application process to ensure they meet the entry requirements for this program and also receive an acceptance letter into the program. Once students have received an acceptance letter into the BAS in Accounting program, students can enroll in the courses listed below. Students must work with their program advisor to determine a quarter by quarter course plan since all courses are not offered every quarter. Some General Education courses may have already been completed at the associate level, thus why meeting with a program advisor to set up a quarter by quarter course plan is required.

Students must earn a C grade (2.0) or better in many of the courses. Courses may be subject to prerequisites. To earn a degree, the program must be completed with a cumulative GPA of 2.0 (C) or better.

GENERAL EDUCATION REQUIREMENTS – 60 UNITS TOTAL

To complete the BAS in Accounting, students must have a total of 60 general education units. These are listed below.

COMMUNICATION SKILLS – 10 UNITS TOTAL

Course Number	Course Title	Units	Term Completed	Comments
ENGL& 101	English Composition I *(minimum grade 2.0)*	5		
ENGL& 235	Technical Writing & Research *(minimum grade 2.0)*	5		

QUANTITATIVE OR SYMBOLIC REASONING SKILLS – 5 UNITS TOTAL

Course Number	Course Title	Units	Term Completed	Comments
MATH& 107	Math in Society or higher *(minimum grade 2.0)*	5		

HUMANTIES – 10 UNITS TOTAL

Course Number	Course Title	Units	Term Completed	Comments
CMST& 210 *or* CMST& 220 *or* CMST& 230 *or* CMST 204 (D)	Interpersonal Communication *or* Public Speaking *or* Small Group Communication *or* Intercultural Communication	5		
PHIL 360	Business Ethics *(minimum grade 2.0)*	5		Offered in Spring only

SOCIAL SCIENCES – 10 UNITS TOTAL

Course Number	Course Title	Units	Term Completed	Comments
BUS& 201	Business Law *(minimum grade 2.0)*	5		
	Social Sciences – Select courses from the DTA approved Social Sciences course list.	5		BUS& 101 is recommended

NATURAL SCIENCES – 10 UNITS TOTAL

Course Number	Course Title	Units	Term Completed	Comments
	Natural Sciences – Select courses from the DTA approved Natural Sciences course list.	5		Must include at least 1 laboratory class.
	Natural Sciences	5		

ADDITIONAL GENERAL EDUCATION – 15 UNITS TOTAL

Course Number	Course Title	Units	Term Completed	Comments
CMST 340	Advanced Business Communications *(minimum grade 2.0)*	5		Offered in Winter only
BUS 350	Business Research *(minimum grade 2.0)*	5		Offered in Fall only
ECON& 201 *or* ECON& 202	Microeconomics or Macroeconomics *(minimum grade 2.0)*	5		

CORE REQUIREMENTS - 50 UNITS TOTAL (minimum grade 2.0 in all courses)

Course Number	Course Title	Units	Term Completed	Comments
ACCT 300	Finance	5		Offered in Winter only
ACCT 350	Intermediate Accounting II	5		Offered in Fall only
ACCT 351	Intermediate Accounting III	5		Offered in Winter only
ACCT 360	Cost Accounting	5		Offered in Fall only
ACCT 370	Forensic Accounting	5		Offered in Spring only
ACCT 400	Accounting Information Systems	5		Offered in Spring only
ACCT 420	Auditing	5		Offered in Fall only
ACCT 450	Federal Income Taxation II	5		Offered in Fall only
ACCT 470	Advanced Accounting	5		Offered in Winter only
ACCT 490	Accounting Capstone	5		Offered in Spring only

Total Units Required: 90 Associate Units + 90 BAS Units = 180 Units

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any bachelor's degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

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Advanced Manufacturing Technology APPRENTICESHIP ATA (MSOMTAPT)
Active: W 2018

Related Instruction - 15 units total

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101 *or* ENGL&101D *or* ENGL098 *or* ENGL098D	English Composition I *or* Intro to College Writing	5		
ENGT101	Technical Problem Solve	5		
BUS110 *or* BUS110D *or* BUS165 *or* CMST&210 *or* CMST&230 *or* CMST204 *or* CMST204D	Business Communications *or* Serv.Essentials Business *or* Interpersonal Comm *or* Small Group Comm *or* Intercultural Comm	5		BUS 110 or CMST 204 recommended

Common Technical Requirements - 15 units total

Course No.	Course Title	Units	Term Completed	Comments
CT101	Introduction to Composites	5		Course can be substituted based on the apprenticeship program.
WELD101	Introduction to Welding	5		Course can be substituted based on the apprenticeship program.
ENGT108	Introduction to 3D CAD	5		Course can be substituted based on the apprenticeship program.

Total Units Required: 30

APPRENTICESHIP REQUIREMENTS

Proof of apprenticeship may be provided by the presentation of the original Journeyman's card. College staff in the Aerospace and Advanced Manufacturing Carrers division will provide the approval. Students should attach a copy of the journeyman's card to the degree application.

☐ Completion of 5,200 hours of OJT certified by the Apprenticeship program.

Approval Signature: _____ Date: _____

☐ Completion of 450 hours of related training certified by the Apprenticeship program

Approval Signature: _____ Date: _____

ATA REQUIREMENTS

You may complete elective credits to satisfy the ATA degree requirements in this program. These should be technical in nature, but need not be if your selection enhances your ultimate employability. Any college-level English course, for example, would enhance your communication skills and be considered acceptable. Please browse through the college catalog and examine the wide variety of courses offered at EvCC. Consult your program advisor for the details necessary to complete the ATA.

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. Though units will appear in this section as completed, they are not counted in the overall earned units for the degree. The course and units earned will appear above and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

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Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

Everett Community College does not discriminate based on, but not limited to, race, color, national origin, citizenship, ethnicity, language, culture, age, sex, gender identity or expression, sexual orientation, pregnancy or parental status, marital status, actual or perceived disability, use of service animal, economic status, military or veteran status, spirituality or religion, or genetic information in its programs, activities, or employment. The Title IX Coordinator has been designated to handle inquiries regarding nondiscrimination policies and can be reached at 2000 Tower Street, Everett, WA 98201, TitleIXCoordinator@everettcc.edu, or 425-388-9271.

EVERETT COMMUNITY COLLEGE
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Advanced Manufacturing Technology: Composites ATA (PETACAPT)
Active: Sp 2023

COMPOSITES ATA Details

The courses required for an Associate in Technical Arts Degree in Advanced Manufacturing Technology: Composites are listed below. This degree requires 92 units. To earn this degree, a cumulative GPA of 2.0 or higher must be maintained.

Interested in transferring to a university? Students completing this ATA degree can transfer directly to the Information Technology and Administrative Management (ITAM) program at Central Washington University or to the Manufacturing Operations program at Clover Park Technical College to pursue a Bachelor of Applied Science(BAS) degree. Go to www.cwu.edu/it-management/bas-itam-degree-overview or www.cptc.edu/programs/basmo for more information.

Related Instruction – 15 units

Course No.	Course Title	Units	Term Completed	Comments
ENGT101 *or* MATH86 or higher	Technical Problem Solve *or* Essentials of Intermediate Algebra or higher	5		
ENGL&101 *or* ENGL98	English Composition I *or* Intro to College Writing	5		
BUS110 *or* BUS165 *or* CMST&210 *or* CMST&230	Business Communications *or* Serv.Essentials Business *or* Interpersonal Comm *or* Small Group Comm	5		BUS 110 recommended

Common Technical Requirements – 32 to 33 units

Course No.	Course Title	Units	Term Completed	Comments
MFGT100	Success & Safety	5		
MFGT117	Blueprint & Schematics	3		
ENGT111	Intro Engineering Tech Design	5		
CT101 *or* CT145 *or* MFGT107 *or* MFGT113 *or* MFGT202	Intro to Composites *or* Composite Special Projects *or* Machining with Mastercam *or* CNC Cutting Solutions *or* LEAN and Operations Mgmt	5 5 4 5 5		
MFGT101 *or* MFGT113	Intro to Machining *or* CNC Cutting Solutions	5		
	WELD 101, or any other 5 credit WELD course	5		
	MECH 119, or any other 5 credit course higher than MECH 119	5		

Composites Technical Core Requirements – 40 units

Course No.	Course Title	Units	Term Completed	Comments
CT102	Composite Technology 1	20		
CT203	Composite Technology 2	20		

Capstone Project Requirements – 5 units

Course No.	Course Title	Units	Term Completed	Comments
MFGT229 *or* MFGT230	Mfgt Team Project *or* MFG Team Project Aero	5		

Total Units Required: 92

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. Though credits will appear in this section as completed, they are not counted in the overall earned credits for the degree. The course and credits earned will appear above and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

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Manufacturing Pre-Employment Certificate (MSTMPC01) Active: F 2014

Course Requirement - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
MFGT102	Mfg Employment Readiness	12		

Total Units Required: 12

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

NON-DISCRIMINATION STATEMENT

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Advanced Manufacturing Technology: Mechatronics ATA (IMMATAPT)
Active: Sp 2023

MECHATRONICS ATA Details

The courses required for an Associate in Technical Arts Degree in Advanced Manufacturing Technology - Mechatronics are listed below.

- This degree requires 90 units.
- A cumulative GPA of 2.0 or higher is required.

Interested in transferring to a university?

Students completing this ATA degree can transfer directly to the Information Technology and Administrative Management (ITAM) program at Central Washington University or to the Manufacturing Operations program at Clover Park Technical College to pursue a Bachelor of Applied Science(BAS) degree. Go to www.cwu.edu/it-management/bas-itam-degree-overview or www.cptc.edu/programs/basmo for more information.

Related Instruction – 15 Units

Course No.	Course Title	Units	Term Completed	Comments
	Select one: ENGT 101 or MATH 86 or higher	5		
ENGL&101 *or* ENGL98	English Composition I *or* Intro to College Writing	5		
BUS110 *or* BUS165 *or* CMST&210 *or* CMST&230	Business Communications *or* Serv.Essentials Business *or* Interpersonal Comm *or* Small Group Comm	5		BUS 110 recommended

Common Technical Requirements – 33 Units

Course No.	Course Title	Units	Term Completed	Comments
MFGT100	Success & Safety	5		
CT101	Intro to Composites	5		
MFGT117	Blueprint & Schematics	3		
ENGT111	Intro Engineering Tech Design	5		
MFGT101 *or* MFGT113	Intro to Machining *or* CNC Cutting Solutions	5		
MECH119 *or* MECH219	Introduction to Robotics *or* Industrial Robotics	5		
	WELD 101, or any other 5 unit WELD course	5		

Mechatronics Technical Core Requirements – 28 Units

Course No.	Course Title	Units	Term Completed	Comments
MECH118	Predictive Maintenance	2		
MECH120	Electrical Components	5		
MECH121	Mechanical Components	5		
MECH122	Elec-Pneumatic Ctrl Circ	5		
MECH123	Digital Fundamentals	4		
MECH124	Controls and Instrm	5		
MECH295	Mechatronics Intern 1	1		Variable Units
MECH296	Mechatronics Intern 2	1		Variable Units

Technical Electives

Remember that a minimum of 90 units are required for the degree. The number of elective units you need will vary based on other units earned. (MECH 295 and MECH 296 are variable units.)

Course No.	Course Title	Units	Term Completed	Comments
	Complete 6 to 12 additional units			MFG T 102 recommended

Capstone Project Requirements

Course No.	Course Title	Units	Term Completed	Comments
MFGT229 *or* MFGT230	Mfgt Team Project *or* MFG Team Project Aero	5		

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. Though units will appear in this section as completed, they are not counted in the overall earned units for the degree. The course and units earned will appear above and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

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Advanced Manufacturing Technology: Welding and Fabrication ATA (WETAFAPT) Active: Sp 2022

WELDING AND FABRICATION ATA Details

The courses required for an Associate in Technical Arts Degree in Advanced Manufacturing Tech – Welding and Fabrication are listed below.

- This degree requires a minimum of 90 units. Technical Electives can be increased if need be to be sure you are at 90 units upon program completion.
- Note that to earn this degree, a cumulative GPA of 2.0 or higher must be maintained.

Interested in transferring to a university?

Students completing this ATA degree can transfer directly to the Information Technology and Administrative Management (ITAM) program at Central Washington University or to the Manufacturing Operations program at Clover Park Technical College to pursue a Bachelor of Applied Science(BAS) degree. Go to www.cwu.edu/it-management/bas-overview or www.cptc.edu/programs/basmo for more information.

Related Instruction – 15 units – remember you need a Diversity course

Course No.	Course Title	Units	Term Completed	Comments
ENGT101 *or* MATH086 *or* Higher WELD105	Technical Problem Solve *or* Essentials of Intermediate Algebra or higher *or* Intro to Fab Planning	5		WELD105 recommended
ENGL&101 *or* ENGL98	English Composition I *or* Intro to College Writing	5		
BUS110 BUS165 *or* CMST&210 *or* CMST&230	Business Communications or Serv.Essentials Business or Interpersonal Comm or Small Group Comm	5 5 5 5		BUS110 recommended to meet your Diversity requirement.

Common Technical Requirements – 32 to 34 units

Course No.	Course Title	Units	Term Completed	Comments
MFGT100	Safety for Manufacturing	5		
CT101 *or* higher	Introduction to Composites or higher 5-credit CT class	5		
MFGT117 *or* WELD150	Blueprint & Schematics *or* Blueprint Readg for Ind	3 5		
ENGT108 *or* higher	Engineering Graphics: 3D CAD or higher 4-credit ENGT course	4		4 credits or more

Course No.	Course Title	Units	Term Completed	Comments
MFGT101 *or* higher	Introduction to Machining or higher 5-credit MFGT course	5		
WELD101 *or* higher	Introduction to Welding or higher 5-credit WELD class	5		
MECH119 *or* higher	Introduction to Robotics or higher 5-credit MECH course	5		

Welding and Fabrication Technical Core Requirements - 25 units

Course No.	Course Title	Units	Term Completed	Comments
WELD111	Basic Layout	2		
WELD152	Weld Base Mtrls: Process	3		Offered Winter quarter only
WELD191	Basic Arc	5		
WELD193	Basic Pipe	5		
WELD195	Gas Metal Arc/Flux Core	5		
WELD194	Gas Tungsten Arc Welding	5		

Technical Electives - bring your total credits to 90 for the ATA

Remember that a minimum of 90 credits are required for the degree. The number of elective credits you need will vary based on other credits earned. (Credits vary in some of your selection options.)

Course No.	Course Title	Units	Term Completed	Comments
	Electives - 11 to 15 credits			From Courses: WELD153, WELD210, WELD213, WELD225, WELD151, WELD192, WELD211, WELD285, WELD295, WELD212

Capstone Project Requirement - 5 units

Course No.	Course Title	Units	Term Completed	Comments
MECH229 *or* MFGT230	Mfgt Team Project *or* MFG Team Project Aero	5		

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. Though units will appear in this section as completed, they are not

counted in the overall earned units for the degree. The course and units earned will appear above and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

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EVERETT COMMUNITY COLLEGE
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Advanced Manufacturing Technology: Welding and Fabrication Cert (WETAFC20) Active: F 2020

Course Requirements – 32 to 35 units

Course No.	Course Title	Units	Term Completed	Comments
WELD101 *or* WELD152	Introduction to Welding *or* Weld Base Mtrls: Process	5 3		
WELD191	Basic Arc	5		
WELD193	Basic Pipe	5		
WELD194	Gas Tungsten Arc Welding	5		
WELD195	Gas Metal Arc/Flux Core	5		
ENGT100 *or* WELD150	Engineering Graphics *or* Blueprint Readg for Ind	4 5		
MFGT100	Safety for Manufacturing	5		

Additional Courses – 5 to 8 units

The certificate requires 40 credits; the numer of credits you will need depends on the other courses you choose.

Course No.	Course Title	Units	Term Completed	Comments
	Other - complete enough credits to total 40			

Total Units Required: 40

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 13 minimum

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Aerospace Composites Foundations Certificate (PETAFC01), Active: F 2014

Course Requirement - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
CT101	Intro to Composites	5		

Total Units Required: 5

NON-DISCRIMINATION STATEMENT

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Aerospace Composites Technician Certificate (PETATC20) Active: W 2017

Composites Certificates are Stackable

This certificate may be considered a stand-alone credential for people seeking to enter the composite manufacturing field, or as the first level of a stackable set of certificates in the degree pathway of the Advanced Manufacturing Tech – Composites Associate in Technical Arts degree

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
CT102	Composite Technology 1	20		
CT203	Composite Technology 2	20		

Total Units Required: 40

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 13 units minimum

NON-DISCRIMINATION STATEMENT

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EVERETT COMMUNITY COLLEGE
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Aircraft Avionics Systems Certificate (AMTAYC01) Active: F 2023

Students must be enrolled full-time, as the courses cannot be taken individually.

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
AVIO201	Aircraft Basic and Electronic Instrument Systems	8		
AVIO202	Avionics Systems for Airframe and Powerplant	8		
AVIO203	Avionics Communications	2		

Total Units Required: 12

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units - 4 minimum

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EVERETT COMMUNITY COLLEGE
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Aircraft Electronics Technician ATA (AMTAEAPT) Active: SP 2023

License or Certification – 60 units

Students may be awarded 60 program units after completion of 30 required units at EvCC who have either an A&P License, an AMT Certificate with A&P ratings.

Course No.	Course Title	Units	Term Completed	Comments
	60 units for License or Certificate			

Electronics Certificate Requirements – 16 units

Course No.	Course Title	Units	Term Completed	Comments
AVIO101	Electrical Fundamentals	8		
AVIO102	Electronic Fundamentals	8		

Aircraft Troubleshooting Certificate Requirements – 6 units

Course No.	Course Title	Units	Term Completed	Comments
AVIO103	Aircraft Wiring Systems	2		
AVIO106	Basic Troubleshooting	2		
AVIO204	Advanced Troubleshooting	2		

Aircraft Avionics Systems Certificate Requirements – 18 units

Course No.	Course Title	Units	Term Completed	Comments
AVIO202	Avionics Systems for A&P	8		
AVIO203	Avionics Communications	2		
AVIO201	Aircraft Basic and Electronic Instrument Systems	8		

Aircraft Electronics Technician Certificate Requirements – 15 units

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		
MATH&141	Precalc I: College Algebra	5		
CMST&210	Interpersonal Comm	5		

Social Science – 5 units

Course No.	Course Title	Units	Term Completed	Comments
	Social Sciences - Complete 5 units	5		

Natural Science – 5 units

Course No.	Course Title	Units	Term Completed	Comments
	Natural Sciences - Complete 5 units	5		

Diversity

Course No.	Course Title	Units	Term Completed	Comments
	Diversity - complete 1 course			

Total Units Required: 125

DIVERSITY COURSE REQUIREMENT

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EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

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Aircraft Electronics Technician Certificate (AMTAEC45) Active: F 2023

Students must be enrolled full-time, as the courses cannot be taken individually.

Electronics Certificate Requirements

Course No.	Course Title	Units	Term Completed	Comments
AVIO101	Electrical Fund	8		
AVIO102	Electronic Fund	8		

Aircraft Troubleshooting Certificate Requirements

Course No.	Course Title	Units	Term Completed	Comments
AVIO103	Aircraft Wiring Systems	2		
AVIO106	Basic Troubleshooting	2		
AVIO204	Advanced Troubleshooting	2		

Aircraft Avionics Systems Certificate Requirements

Course No.	Course Title	Units	Term Completed	Comments
AVIO201	Aircraft Basic and Electronic Instrument Systems	8		
AVIO202	Avionics Systems for A&P	8		
AVIO203	Avionics Communications	2		

Aircraft Electronics Technician Certificate Requirements

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		
	MATH&141 ***or*** higher	5		
CMST&210	Interpersonal Comm	5		

Total Units Required: 55

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 18 minimum

NON-DISCRIMINATION STATEMENT

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Aircraft Troubleshooting Certificate (AMTAWC01) Active: F 2023

Students must be enrolled full-time, as the courses cannot be taken individually.

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
AVIO103	Aircraft Wiring Systems	2		
AVIO106	Basic Troubleshooting	2		
AVIO204	Advanced Avionics Troubleshooting	2		

Total Units Required: 6

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 2 minimum

NON-DISCRIMINATION STATEMENT

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Airframe - Avionics ATA (AMTAAAPT) Active: F 2023

License or Certification

Students may be awarded 60 program units after completion of 30 required units at EvCC who have either an A&P License, an AMT Certificate with A&P ratings, or an Airframe Program Certificate.

Course No.	Course Title	Units	Term Completed	Comments
	60 units for License or Certificate			

Aircraft Electronics Certificate Requirements – 16 units

Course No.	Course Title	Units	Term Completed	Comments
AVIO101	Electrical Fund	8		
AVIO102	Electronic Fund	8		

Aircraft Troubleshooting Certificate Requirements – 6 units

Course No.	Course Title	Units	Term Completed	Comments
AVIO103	Aircraft Wiring Systems	2		
AVIO106	Basic Troubleshooting	2		
AVIO204	Advanced Avionics Troubleshooting	2		

Aircraft Avionics Systems Certificate Requirements – 18 units

Course No.	Course Title	Units	Term Completed	Comments
AVIO201	Aircraft Basic and Electronic Instrument Systems	8		

Course No.	Course Title	Units	Term Completed	Comments
AVIO202	Avionics Systems for A&P	8		
AVIO203	Avionics Communications	2		

Aircraft Electronics Technician Certificate Requirements – 15 units

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		
	MATH&141 *or* higher	5		
CMST&210	Interpersonal Comm	5		

Social Science – 5 units

Course No.	Course Title	Units	Term Completed	Comments
	Social Sciences - Complete 5 units	5		

Natural Science – 5 units

Course No.	Course Title	Units	Term Completed	Comments
	Natural Sciences - Complete 5 units	5		

Diversity Course Requirement

Course No.	Course Title	Units	Term Completed	Comments
	Diversity - Complete 1 course			

Total Units Required: 125

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

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Associate in Science - Transfer - Track 1 (LRST1AS)

College Success Course - 2 units

Course No.	Course Title	Units	Term Completed	Comments
STEM101 *or* COLL101	College Success in STEM or College Success	2		

Basic Communications Skills - 5 units

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		

Humanities and Social Sciences - 15 units

Course No.	Course Title	Units	Term Completed	Comments
	Humanities - select 1	5		
	Social Science - select 1	5		
	Humanities / Social Sciences - select 1	5		

Mathematics - 15 units

Course No.	Course Title	Units	Term Completed	Comments
MATH&151	Calculus I	5		
MATH&152	Calculus II	5		
MATH&163	Calculus 3	5		

Sciences - 30 units

Course No.	Course Title	Units	Term Completed	Comments
	Complete 2 full course sequences (not both Physics series)			From: BIOL& 221,222,223, CHEM& 161,162,163, PHYS& 114,115,116, or PHYS& 231/241,232/242,233/243

Electives - 23 units - Contact an Advisor!

It is important to contact an advisor to determine what electives will best prepare you for your desired major. Advisors are found on the main Everett Community webpage, in the Directory, on the Faculty Advisor page.

Course No.	Course Title	Units	Term Completed	Comments
	Electives - 23 Units			

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. No units will appear in this section as completed. The course and units earned will appear below and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

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Associate of General Studies (LASGSAGS) Active: Winter 2023

COLLEGE SUCCESS - 2 UNITS TOTAL

COLLEGE 101 or STEM 101 is mandatory for all new degree-seeking students. The class may be waived due to previous college coursework, or the specific course of study. Students in the following programs are exempt from this requirement: Advanced Manufacturing Technology, Aviation, Basic Skills, Cosmetology, EMT, Fire Science, Medical Coding, and Running Start.

Course Number	Course Title	Units	Term Completed	Comments
COLL101 *or* STEM 101	College Success *or* College Success in STEM	2		

BASIC COMMUNICATION SKILLS - 5 UNITS TOTAL

5 credits, selected from ENGL 98 or ENGL& 101, or CMST& 210 or 220. High school equivalent courses may not be substituted.

Course Number	Course Title	Units	Term Completed	Comments
ENGL98 *or* ENGL&101 *or* CMST&210 *or* CMST&220	Intro to College Writing *or* English Composition I *or* Interpersonal Communication *or* Public Speaking	5		

BASIC QUANTITATIVE SKILLS - 5 UNITS TOTAL

5 units selected from any EvCC Math course starting with MATH/TS 76 or higher. MATH 78/79 may not be substituted. High school equivalent courses may not be substituted.

Course Number	Course Title	Units	Term Completed	Comments
		5		

HUMANITIES, SOCIAL SCIENCES, and NATURAL SCIENCES - 15 UNITS TOTAL

Courses must be from three different distributions across Humanities, Social Sciences, and Natural Sciences.

5 credits selected from the Humanities list of the AAS – Option II Guide.

Course Number	Course Title	Units	Term Completed	Comments
		5		

5 units selected from the Social Sciences list of the AAS – Option II Guide.

Course Number	Course Title	Units	Term Completed	Comments
		5		

5 units selected from the Natural Sciences list of the AAS – Option II Guide.

Course Number	Course Title	Units	Term Completed	Comments
		5		

ELECTIVES - 63 UNITS TOTAL

Course Number	Course Title	Units	Term Completed	Comments
	Electives - Complete 65 units from any DTA Distribution Area list			

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. Though units will appear in this section as completed, they are not counted in the overall earned units for the degree. The course and units earned will appear above and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 Minimum

NON-DISCRIMINATION STATEMENT

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Astronomy and Physics AS (PHST2AS) Active: W 2017

College Success Course - 2 units total

COLLEGE 101 or STEM 101 is mandatory for all new degree-seeking students. The class may be waived due to previous college coursework, or the specific course of study. Students in the following programs are exempt from this requirement: Advanced Manufacturing Technology, Aviation, Basic Skills, Certified Nursing Assistant, Cosmetology, EMT, Fire Science, Medical Assisting, Medical Coding, and Running Start.

Course No.	Course Title	Units	Term Completed	Comments
STEM101 *or* COLL101	College Success in STEM *or* College Success	2		STEM 101 is strongly recommended.

Communication Skills - 5 units required

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		

Mathematics Courses - 19 units required

Course No.	Course Title	Units	Term Completed	Comments
MATH&151	Calculus I	5		
MATH&152	Calculus II	5		
MATH&163	Calculus 3	5		
MATH&264	Calculus 4	4		

Humanities and Social Science Courses - 15 units required

Course No.	Course Title	Units	Term Completed	Comments
	Humanities - select 1 course	5		
	Social Science - select 1 course	5		
	Humanities/Social Science - select 1 course	5		

Physics courses - 16.5 units required

Course No.	Course Title	Units	Term Completed	Comments
PHYS&241	Engineering Physics I	4		You must take PHYS& 231 and PHYS& 241 together.
PHYS&231	Engineering Phys I Lab	1.5		
PHYS&242	Engineering Physics II	4		You must take PHYS& 232 and PHYS& 242 together.

Course No.	Course Title	Units	Term Completed	Comments
PHYS&232	Engineering Phys II Lab	1.5		
PHYS&243	Engineering Physics III	4		You must take PHYS& 233 and PHYS& 243 together.
PHYS&233	Engineering Phys III Lab	1.5		

Elective Courses – 32.5 units required

Course No.	Course Title	Units	Term Completed	Comments
PHYS&114	General Physics I	5		Prior to PHYS& 115 or PHYS& 241, complete PHYS& 114 or have completed or placed into higher-level Physics. If PHYS& 114 is not required, additional elective credits will be needed. If rigorous physics has been taken in high school, this requirement may be waived by passing a placement test.
MFGT 103	Machining Lab for Engineers	1		Prior to PHYS& 233, complete MFGT 103 (or ART 130).
	Electives - complete 26.5 units.			Be sure to meet with your advisor to select the right electives for your goals. 26.5 Elective credits at a minimum are required, and at least one of these courses must be a Natural Science Lab.
				Options include ASTR& 115, PHYS& 115, PHYS& 116, CHEM& 140, CHEM& 161, CHEM& 162, CHEM& 163, ENGR& 204, ENGR& 224, MATH 260, MATH 261, CS& 131, CS& 141, CS 132, CS143.

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. No units will appear in this section as completed. The course and units earned will appear below and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

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Atmospheric Science AS (PHST2AS) Active: Winter 2014

ATMOSPHERIC SCIENCE AS Details

Prerequisites

- This program of study assumes the student has college level English and math skills. All new students are required to take the EvCC English and Math placement tests.
- All science courses require completion of ENGL 098 or placement into ENGL& 101.
- Chemistry courses require eligibility for eligibility for ENGL& 101 AND eligibility for MATH& 141, as well as completion of CHEM 140 or higher or a high school chemistry course.
- Some science classes are offered only in certain quarters of the year; please consult with an advisor to determine when classes are available.
- Students who initially place in a high level math course do not need to take math courses below that level. The Associate of Science degree requires the completion of at least 15 units in Math, including completion of MATH& 153 or 254 or 146.
- CS& 141 requires completion of CS 110 or ENGR 121.

Minimum of 90 units is required for the degree with a minimum 2.0 GPA.

- Completion of listed and recommended courses may result in more than 90 units being earned for the degree. The advantage is that the completion of these courses will enable you to progress more efficiently in your major at a university. Alternatively, some of the more advanced courses may be done at the university instead. Please consult with an advisor to decide the best option for you.

PREREQUISITE CLASSES

There are courses students will need to have completed (or have equivalent placement to) before they are able to enroll in required classes.

- ENGL 98 is required before ENGL& 101.
- The Math sequence leading up to MATH& 151 requires MATH 76, MATH 86, MATH 96, MATH& 141, and MATH& 142 or equivalent placement.
- Prior to CHEM& 162, CHEM& 140 or other placement is required.
- Prior to CS& 141, CS 110 or ENGR 121 is required.

College Success - 2 units

Course No.	Course Title	Units	Term Completed	Comments
COLL101 *or* STEM101	College Success *or* College Success in STEM	2		STEM 101 is recommended.

Basic Communication Skills - 5 units total

Select courses from the DTA approved Communication Skills course list. At least 5 units must be earned in English Composition.

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		

Basic Quantitative Skills - 15 units total

Select courses from the DTA approved Quantitative Skills course list. The institution(s) you are looking to transfer to may require different Quantitative Skills courses. Be sure to verify the requirements of the transfer institution(s).

Course No.	Course Title	Units	Term Completed	Comments
	15 units selected from MATH& 151, 152, 163, 264, or 146	5		Must include at least one of MATH& 163, 264, 146
		5		
		5		

Humanities and Social Science Courses - 15 units total

Course No.	Course Title	Units	Term Completed	Comments
	Humanities - select 1 course	5		
	Social Science - select 1 course	5		
	Humanities/Social Science - select 1 course	5		

Natural Science - 41.5 units total

Course No.	Course Title	Units	Term Completed	Comments
PHYS&114	General Physics I	5		
PHYS&115	General Physics II	5		
PHYS&116	General Physics III	5		
CHEM&161	General Chem w/Lab I	5.50		
CHEM&162	General Chem w/Lab II	5.50		
CHEM&163	General Chem w/lab III	5.50		
ATMS101	Weather	5		
CS&141	Computer Science I Java	5		

Electives – 11.5 additional units

Course No.	Course Title	Units	Term Completed	Comments
	Electives - Complete 11.5 additional units			Electives should be selected with advisor approval, such as OCEA& 101, GEOL 102, GEOL 104, or foreign languages.

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

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EvCC RESIDENCY UNITS REQUIREMENT

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Required Residency Units: 30 minimum

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AutoCAD Certificate (DDTAUC20) Active W: 2019

TECHNICAL DESIGN - AutoCAD Certificate Details

Technical Design (CAD) certificates are stackable.

Four certificates are offered, and this is one of three of which address specific CAD software. This checklist is targeted at students with an interest in AutoCAD and represents a subset of the classes required for an Associates in Technical Arts Degree.

These certificates may be considered as stand-alone credentials for people seeking to gain entry level CAD employment, or as the first level of a stackable set of certificates in the Advanced Manufacturing Technology – Technical Design (CAD) Associates in Technical Arts degree pathway.

- All courses must be completed with a grade of C or better.

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
ENGT100	Engineering Graphics	4		
ENGT103	Introduction to Revit	4		
ENGT203	AutoCAD 2 - Intermediate	4		

Total Units Required: 12

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 4 minimum

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Aviation Maintenance Masterclass Certificate (APTAAC01) Active: F 2018

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
AMT295	Aviation Master Class	16		
AMT296	Aviation Master Class Portfolio	2		

Total Units Required: 18

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 6 minimum

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Aviation Maintenance Technology AAS-T (APTATAAS) Active: F 2018

A&P License or Certificate - 60 units total

Either the A&P License (45 units + 15 elective units) or the A&P Certificate (60 units)

A&P License

A student with an A&P License from a FAR Part 147 school may be awarded 45 units by EvCC after completing 30 required units at EvCC. Utilizing the A&P License option for this transfer degree requires completion of 15 additional elective units (which can be A&P courses in General, Airframe, and Powerplant).

A&P Certificate

Students completing EvCC's A&P program may be awarded up to 60 units towards this degree.

Course No.	Course Title	Units	Term Completed	Comments
	45 units for A&P License			
	ELECTIVES - complete 15 units if awarded 45 for A&P License			

General Education Requirements - 30 units

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		
	Mathematics - Complete 5 units	5		MATH& 141 Recommended
	HUMANITIES - Complete 5 units	5		
	SOCIAL SCIENCE - Complete 5 units	5		

Course No.	Course Title	Units	Term Completed	Comments
	NATURAL SCIENCE - Complete 5 units	5		
	GENERAL ELECTIVE	5		

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. No units will appear in this section as completed. The course and units earned will appear below and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

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Aviation Maintenance Technology ATA (APTATAPT) Active: F 2018

General Education Requirements – Starting – 20 units

Course No.	Course Title	Units	Term Completed	Comments
ENGL98	Intro to College Writing	5		
	MATH& 86 or higher	5		
CMST&210	Interpersonal Comm	5		
	Elective - 5 units minimum	5		

General Education Requirements – Later – 10 units

Course No.	Course Title	Units	Term Completed	Comments
	Social Science - 5 units minimum	5		
	Natural Science - 5 units minimum	5		

General Quarter 1 – 21 units

Course No.	Course Title	Units	Term Completed	Comments
AMT&101	Basic Electricity	5		
AMT102	Basic Electricity	3		
AMT&111	Math and Physics	4		
AMT&141	Aircraft Drawings	2		
AMT&161	Materials and Processes	7		

General Quarter 2 – 19 units

Course No.	Course Title	Units	Term Completed	Comments
AMT105	Human Factors	2		
AMT180	Fund of Troubleshooting	2		
AMT&121	Weight and Balance	2		
AMT&131	Corrosion/Fluid Lines	5		
AMT&151	Operations & Servicing	4		
AMT&171	Federal Aviation Regs	4		

Powerplant Quarter 1 – 20 units

Course No.	Course Title	Units	Term Completed	Comments
AMT&251	Reciprocating Engines I	5		
AMT&252	Reciprocating Engines II	5		

AMT&271	Ignition and Start Syst	6		
AMT&275	Lubrication Systems: RE	4		

Powerplant Quarter 2 – 20 units

Course No.	Course Title	Units	Term Completed	Comments
AMT&253	Turbine Engines I	5		
AMT&254	Turbine Engines II	5		
AMT&261	Engine Instruments	1		
AMT&265	Engine Fire Protection	1		
AMT&267	Engine Electrical	5		
AMT276	Lube Sys: Turbine Engine	3		

Powerplant Quarter 3 – 20 units

Course No.	Course Title	Units	Term Completed	Comments
AMT&257	Engine Inspection	3		
AMT&279	Engine Fuel Systems	7		
AMT&281	Engine Induction/Cooling	4		
AMT&285	Propellers & Fans	6		

Airframe Quarter 1 – 20 units

Course No.	Course Title	Units	Term Completed	Comments
AMT&205	Wood, Covers, and Finish	9		
AMT&215	Assembly & Rigging	7		
AMT&235	Navigation Communication	1		
AMT&237	Airframe Fuel Systems	3		

Airframe Quarter 2 – 20 units

Course No.	Course Title	Units	Term Completed	Comments
AMT&201	Composites	5		
AMT&211	Sheet Metal	10		
AMT&231	Ice & Rain/Fire Systems	3		
AMT&239	Aircraft Electrical	2		

Airframe Quarter 3 – 20 units

Course No.	Course Title	Units	Term Completed	Comments
AMT&207	Welding	2		
AMT&221	Airframe Inspection	4		

Course No.	Course Title	Units	Term Completed	Comments
AMT&223	Landing Gear/Hydraulics	9		
AMT&241	Instrument Systems	2		
AMT&245	Cabin Environment	3		

Total Units Required: 190

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. Though units will appear in this section as completed, they are not counted in the overall earned units for the degree. The course and units earned will appear above and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units - 30 minimum

NON-DISCRIMINATION STATEMENT

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Aviation Maintenance Technology Certificate (APTAMC45) Active: F 2018

Core Requirements – 15 units

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101 ENGL98	English Composition I *or* Intro to College Writing	5		
	MATH 86 *or* higher	5		
CMST&210	Interpersonal Comm	5		

General Quarter 1 – 21 units

Course No.	Course Title	Units	Term Completed	Comments
AMT&101	Basic Electricity	5		
AMT102	Basic Electricity	3		
AMT&111	Math and Physics	4		
AMT&141	Aircraft Drawings	2		
AMT&161	Materials and Processes	7		

General Quarter 2 – 19 units

Course No.	Course Title	Units	Term Completed	Comments
AMT105	Human Factors	2		
AMT180	Fund of Troubleshooting	2		
AMT&121	Weight and Balance	2		
AMT&131	Corrosion/Fluid Lines	5		
AMT&151	Operations & Servicing	4		
AMT&171	Federal Aviation Regs	4		

Powerplant Quarter 1 – 20 credits

Course No.	Course Title	Units	Term Completed	Comments
AMT&251	Reciprocating Engines I	5		
AMT&252	Reciprocating Engines II	5		
AMT&271	Ignition and Start Syst	6		

Course No.	Course Title	Units	Term Completed	Comments
AMT&275	Lubrication Systems: RE	4		

Powerplant Quarter 2 – 20 credits

Course No.	Course Title	Units	Term Completed	Comments
AMT&253	Turbine Engines I	5		
AMT&254	Turbine Engines II	5		
AMT&261	Engine Instruments	1		
AMT&265	Engine Fire Protection	1		
AMT&267	Engine Electrical	5		
AMT276	Lube Sys: Turbine Engine	3		

Powerplant Quarter 3 – 20 units

Course No.	Course Title	Units	Term Completed	Comments
AMT&257	Engine Inspection	3		
AMT&279	Engine Fuel Systems	7		
AMT&281	Engine Induction/Cooling	4		
AMT&285	Propellers & Fans	6		

Airframe Quarter 1 – 20 credits

Course No.	Course Title	Units	Term Completed	Comments
AMT&205	Wood, Covers, and Finish	9		
AMT&215	Assembly & Rigging	7		
AMT&235	Navigation Communication	1		
AMT&237	Airframe Fuel Systems	3		

Airframe Quarter 2 – 20 credits

Course No.	Course Title	Units	Term Completed	Comments
AMT&201	Composites	5		
AMT&211	Sheet Metal	10		
AMT&231	Ice & Rain/Fire Systems	3		
AMT&239	Aircraft Electrical	2		

Airframe Quarter 3 – 20 credits

Course No.	Course Title	Units	Term Completed	Comments
AMT&207	Welding	2		
AMT&221	Airframe Inspection	4		
AMT&223	Landing Gear/Hydraulics	9		
AMT&241	Instrument Systems	2		
AMT&245	Cabin Environment	3		

Total Units Required: 175

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

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Avionics Technician Certificate (AMTATC20) Active: F 2023

Students must be enrolled full-time, as the courses cannot be taken individually.

Aircraft Electronics Certificate Course Requirements

Course No.	Course Title	Units	Term Completed	Comments
AVIO101	Electrical Fund	8		
AVIO102	Electronic Fund	8		

Aircraft Troubleshooting Certificate Requirements

Course No.	Course Title	Units	Term Completed	Comments
AVIO103	Aircraft Wiring Systems	2		
AVIO106	Basic Troubleshooting	2		
AVIO204	Advanced Avionics Troubleshooting	2		

Aircraft Avionics Systems Certificate Requirements

Course No.	Course Title	Units	Term Completed	Comments
AVIO201	Aircraft Basic and Electronic Instrument Systems	8		
AVIO202	Avionics Systems for A&P	8		
AVIO203	Avionics Communications	2		

Total Units Required: 40

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 13 minimum

NON-DISCRIMINATION STATEMENT

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Biology AS (LRST1AS) Active: F 2023

Notes for a Biology AS

- Though courses in a foreign language are not required in the Associate of Science degree, some universities may require two or three quarters of foreign language for admission or for graduation.
- Completion of required and recommended courses will result in more than 90 units being earned for the degree. The advantage is that the completion of these courses will enable you to progress more efficiently in your major at a university. Alternatively, some of the more advanced courses may be done at the university instead. Please consult with an advisor to decide the best option for you between the Biology AS and the AAS-DTA with an Interest in Biology.
- Prerequisites will require extra units.
- Students who initially place in a high-level math course do not need to take math courses below that level.

Potential Prerequisites

- Prior to starting some of the following courses, students will need to complete ENGL 98 or place into or have taken ENGL& 101.
- Prior to starting some of the following courses, students will need to complete the Math prerequisite sequence (MATH 76, MATH 86, MATH 96, MATH& 141, MATH& 142) or place into or have taken MATH& 151 or higher.
- Prior to CHEM& 161, complete CHEM& 140 or place into CHEM& 161 or higher.
- BIOL& 221 may be taken after or concurrently with CHEM& 161; High school biology or BIOL&100 is also required.
- BIOL& 222 and 223 must be taken after CHEM& 161.
- CHEM& 261, 262, 263 is offered in a sequence of Fall, Winter, Spring only; students must start in the Fall.

College Success – 2 units

COLLEGE 101 or STEM 101 is mandatory for all new degree-seeking students. The class may be waived due to previous college coursework, or the specific course of study. Students in the following programs are exempt from this requirement: Advanced Manufacturing Technology, Aviation, Basic Skills, Cosmetology, EMT, Fire Science, Medical Assisting, Medical Coding, and Running Start.

Course No.	Course Title	Units	Term Completed	Comments
COLL101 *or* STEM101	College Success *or* College Success in STEM	2		

Communication Skills – 5 units minimum

Only 5 units of Communication Skills are required, but 10 units are recommended. More units will be required at the university level. ENGL& 102 (English Composition II) is recommended. Work with your program advisor to determine if you need this or if it can be waived.

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		
	Communications – select 1			ENGL&102 recommended.

Mathematics Courses – 15 units

Course No.	Course Title	Units	Term Completed	Comments
MATH&151	Calculus I	5		
MATH&152	Calculus II	5		
MATH&163	Calculus 3	5		

Humanities and Social Science Courses – 15 units

15 units total required in 2 different disciplines selected from both the Humaniities and Social Sciences distributions.

A World Language is recommended. Transfer institutions require a total of 2-3 quarters of a World Language. UW requires 3 quarters of foreign language for all majors; 2 quarters to be admitted and 3 to graduate (or years in high school).

If you have not taken a Diversity class in another category, be sure to take one here.

Course No.	Course Title	Units	Term Completed	Comments
	Humanities - select 1 course	5		
	Social Science - select 1 course	5		
	Humanities or Social Science - select 1 course	5		

Natural Science Courses – 57.5 units

Course No.	Course Title	Units	Term Completed	Comments
BIOL&221	Majors Ecology/Evolution	6		
BIOL&222	Majors Cell/Molecular	6		
BIOL&223	Majors Organismal Phys	6		
CHEM&161	General Chem w/Lab I	5.5		
CHEM&162	General Chem w/Lab II	5.5		
CHEM&163	General Chem w/lab III	5.5		
CHEM&261	Organic Chem w/Lab I	6		
CHEM&262	Organic Chem w/Lab II	6		
CHEM&263	Organic Chem w/Lab III	6		
BIOL130 *or* BOT113 *or* MATH&264 *or* PHYS&114	Marine Biol/Pacific NW *or* Plants of the Pacific NW *or* Calculus 4 *or* General Physics I	5 5 5 5		

Total Units Required: 94.5

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. No units will appear in this section as completed. The course and units earned will appear below and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 1/3 of the units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the residency units.

Required Residency Units: 32 minimum

NON-DISCRIMINATION STATEMENT

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Bookkeeping Certificate (ATBBOC45) Active: W 2021

Students must earn a C grade (2.0) or better in all courses.

Bookkeeping Certificate Requirements – 50 units

Course No.	Course Title	Units	Term Completed	Comments
ACCT110	Small Bus Accounting	5		
ACCT112	Federal Income Taxation I	5		
ACCT&201	Prin of Accounting I	5		
ACCT&202	Prin of Accounting II	5		
ACCT210	Payroll	5		
ACCT215	Computer Accounting	5		
BT242	Excel	5		
	BUS130 or MATH&107 or higher	5		
CL101	Computer Literacy	5		
ENGL&101 *or* ENGL98	English Composition I *or* Intro to College Writing	5		

Total Units Required: 50

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 16 minimum

NON-DISCRIMINATION STATEMENT

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BUSINESS AAS-DTA (BUCBUAA), Effective F 2020

Notes for the Associate in Business DTA

This degree satisfies general undergraduate requirements for acceptance with junior standing at a university school of business. This degree meets statewide guidelines for transfer to the following Washington state colleges and universities subject to additional admission requirements for that specific university:

- Central Washington University
- Eastern Washington University
- Gonzaga University
- Heritage University
- Pacific Lutheran University
- Saint Martin's University
- Seattle Pacific University
- Seattle University
- University of Washington
- Walla Walla University
- Washington State University
- Western Washington University
- Whitworth University

Students interested in earning a bachelor's degree in majors such as finance, accounting, business administration, marketing, hospitality management, business entrepreneurship, or management can complete the first half of a university program by completing this degree.

Students must earn a C grade (2.0) or better in all required courses. Courses may be subject to prerequisites.

To earn a degree, the program must be completed with a cumulative GPA of 2.0 (C) or better.

College Success, if required, will count as 2 elective units. Students completing this degree as a Running Start Student or students holding a previously earned 2- or 4-year degree are not required to take COLL 101 and will require 2 additional elective units.

Students should contact the Universities they would like to transfer to have any additional admission requirements identified by that specific institution.

COLLEGE SUCCESS - 2 UNITS TOTAL

COLLEGE 101 or STEM 101 is mandatory for all new degree-seeking students. The class may be waived due to previous college coursework, or the specific course of study. Students in the following programs are exempt from this requirement: Advanced Manufacturing Technology, Aviation, Basic Skills, Cosmetology, EMT, Fire Science, Medical Assisting, Medical Coding, and Running Start.

Course No.	Course Title	Units	Term Completed	Comments
COLL101 *or* STEM101	College Success *or* College Success in STEM	2		

BASIC COMMUNICATION SKILLS - 10 UNITS TOTAL

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I (minimum grade 2.0)	5		
ENGL&102	English Composition II (minimum grade 2.0)	5		

BASIC QUANTITATIVE SKILLS - 10 UNITS TOTAL

Select courses from the DTA approved Quantitative Skills course list. The institution(s) you are looking to transfer to may require different Quantitative Skills courses. Be sure to verify the requirements of the transfer institution(s).

Course No.	Course Title	Units	Term Completed	Comments
	Quantitative – Select 1	5		MATH 138 or higher required
	Quantitative – Select 1	5		MATH& 148 or higher required

HUMANITIES - 15 UNITS TOTAL

15 units minimum from at least two different disciplines; no more than 5 units of 100-level world languages; and no more than 5 units from Performance Skills (HP). No more than 10 units in any one discipline may be applied to the Humanities, Social Science and Natural Science distribution areas.

Note: If you have not already completed a Diversity Course, you should select one Humanities course that is a Diversity Course.

Two quarters at EvCC or two years in high school of the same world language is required for admission to all UW campuses.

Course No.	Course Title	Units	Term Completed	Comments
	Humanities – 15 units (minimum grade 1.0)	5		CMST& 220 recommended
		5		
		5		

SOCIAL SCIENCES - 15 UNITS TOTAL

Select courses from the DTA approved Social Sciences course list. Courses taken must be from 2 different disciplines, to include 10 units in Economics. Any additional Social Science units beyond 15 will be counted towards your Electives.

Course No.	Course Title	Units	Term Completed	Comments
ECON&201	Micro Economics (minimum grade 2.0)	5		
ECON&202	Macro Economics (minimum grade 2.0)	5		
	Social Sciences – 5 units (minimum grade 1.0)	5		BUS&101 recommended

NATURAL SCIENCES - 15 UNITS TOTAL

Select courses from the DTA approved Natural Sciences course list. This must include at least 1 Lab Science course and 5 units in Statistics. Courses taken must be from 2 different disciplines. Any additional Natural Science units beyond 15 will be counted towards your Electives. The institution(s) you are looking to transfer to may require different Natural Science courses. Be sure to verify the requirements of the transfer institution(s).

Course No.	Course Title	Units	Term Completed	Comments
MATH&146	Intro to Statistics (minimum grade 2.0)	5		

Course No.	Course Title	Units	Term Completed	Comments
	Lab Science – 5 units (minimum grade 1.0)	5		
	Natural Sciences – 5 units (minimum grade 1.0)	5		

REQUIRED BUSINESS-SPECIFIC ELECTIVES - 20 UNITS TOTAL

Course No.	Course Title	Units	Term Completed	Comments
ACCT&201	Prin of Accounting I (minimum grade 2.0)	5		
ACCT&202	Prin of Accounting II (minimum grade 2.0)	5		
ACCT&203	Prin of Accounting III (minimum grade 2.0)	5		
BUS&201	Business Law (minimum grade 2.0)	5		

ELECTIVES - 5 UNITS TOTAL

You must complete 5 units total, including College 101 if required.

Course No.	Course Title	Units	Term Completed	Comments
	Courses numbered 100 or higher (minimum grade 1.0)	3		

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. Though units will appear in this section as completed, they are not counted in the overall earned units for the degree. The course and units earned will appear above and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

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Business Administration ATA (BAMBAAPT) Active F 2023

Students must earn a C grade (2.0) or better in all courses except Electives, where a 1.0 (D) or higher is required.

COLLEGE SUCCESS - 2 Units

COLLEGE 101 or STEM 101 is mandatory for all new degree-seeking students. The class may be waived due to previous college coursework, or the specific course of study. Students in the following programs are exempt from this requirement: Advanced Manufacturing Technology, Aviation, Basic Skills, Cosmetology, EMT, Fire Science, Medical Assisting, Medical Coding, and Running Start.

Course No.	Course Title	Units	Term Completed	Comments/Substitution
COLL101 *or* STEM101	College Success *or* College Success in STEM	2		

Business Administration Certificate Requirements – 40 Units

Course No.	Course Title	Units	Term Completed	Comments
BUS&101	Intro to Business	5		
BUS110	Business Communications (D)	5		
BUS150	Prin of Marketing	5		
BUS200	Prin of Management	5		
ACCT110 *or* ACCT&201	Small Bus Accounting *or* Prin of Accounting I	5		
CL101	Computer Literacy	5		
BUS165	Service Essentials	5		
BT242	Excel	5		

Core Degree Requirements – 28 Units

Course No.	Course Title	Units	Term Completed	Comments
BUS130	Business Computations	5		
BUS&201	Business Law	5		
ECON&201 *or* ECON&202 *or* ECON101	Micro Economics *or* Macro Economics *or* Understanding Economics (D)	5		
ENGL&101 *or* ENGL98	English Composition I *or* Intro to College Writing	5		
BUS135	Introduction to Data Analysis	3		
BT261	Integrated Business Projects	5		

Program Electives – 20 Units

Choose your electives based on your area of interest.

General Business: BUS 104, BUS 105, BUS 295, BUS 131, BUS 230

Accounting: ACCT 112, ACCT 113, ACCT 210, ACCT 215, ACCT& 201, ACCT& 202, ACCT& 203

Business Technology: BT 243, BT 219, CL 110

Communications: CMST& 220 or CMTS& 230

Economics: ECON& 201, ECON& 202

Information Technology: IT 101

Course No.	Course Title	Units	Term Completed	Comments

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. No units will appear in this section as completed. The course and units earned will appear below and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

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Business Administration Certificate (BAMBAC20), Active F 2023

Students must earn a C grade (2.0) or better in all courses.

Certificate Requirements

Course No.	Course Title	Units	Term Completed	Comments
BUS&101	Intro to Business	5		
BUS110	Business Communications (D)	5		
BUS150	Prin of Marketing	5		
BUS200	Prin of Management	5		
ACCT110 *or* ACCT&201	Small Bus Accounting *or* Prin of Accounting I	5		
CL101	Computer Literacy	5		
BUS165	Serv.Essentials Business	5		
BT242	Excel	5		

Total Units Required: 40

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 13 minimum

NON-DISCRIMINATION STATEMENT

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BUSINESS TECHNOLOGY ATA (AASBTAPT) Active F 2023

Notes for the Business Technology ATA

The Business Technology ATA degree is designed to build off the following certificate and will include the certificate requirements, as well as additional degree requirements.

- Business Technology Certificate (OOCOAC20)
- Medical Front Office Certificate (MEPMRC20)
- Medical Office Administration (MOMMAC45)

You have the option of focusing on Business Administration or Medical Office Administration.

Students must earn a C grade (2.0) or better in all courses except Electives, which require a D grade (1.0) or better.

College Success - 2 Units Total

COLLEGE 101 or STEM 101 is mandatory for all new degree-seeking students. The class may be waived due to previous college coursework, or the specific course of study. Students in the following programs are exempt from this requirement: Advanced Manufacturing Technology, Aviation, Basic Skills, Cosmetology, EMT, Fire Science, Medical Assisting, Medical Coding, and Running Start.

Course No.	Course Title	Units	Term Completed	Comments
COLL101 *or* STEM101	College Success *or* College Success in STEM	2		

Subtotal: 2 units

General Education Requirements – 10 Units Total

Course No.	Course Title	Units	Term Completed	Comments
BUS130	Business Computations	5		
ENGL&101 *or* ENGL98	English Composition I *or* Intro to College Writing	5		

Subtotal: 10 units

Common Core Requirements – 46 Units Total

Course No.	Course Title	Units	Term Completed	Comments
CL101	Computer Literacy	5		
BT105	Keyboard-Speed/Accuracy	3		
BUS104	Business English	5		
BUS165	Serv.Essentials Business	5		
BT219	Intro to MS Word	5		

Course No.	Course Title	Units	Term Completed	Comments
CL110	Managing Internet Commun	5		
BT242	Excel	5		
BUS110	Business Communications (D)	5		
BT261	Adv Office Procedures	5		
BUS135	Introduction to Data Analysis	3		

Subtotal: 46 units

Focus Options – 30 Units Total

Medical Office Administration Focus: MC120, BT/HCM180, BT/HCM181, BT/HCM182, BT/HCM187, and BT/HCM128

Business Administration Focus: BUS&101, BUS150, BUS200, BUS201, ACCT110, and ECON101

Course No.	Course Title	Units	Term Completed	Comments
	30 Units of Medical Office Administration Focus Courses *or* 30 Units of Business Administration Focus Courses	5		
		5		
		5		
		5		
		5		
		5		

Subtotal: 30 units

Degree Requirements: Electives – 2 Units

MEDICAL: MC 103, MC 137, MC 143, HCM 206, HCM 207, or HCM 208

ACCOUNTING: ACCT 110, ACCT 112, ACCT 210, or ACCT 215.

BUSINESS / GENERAL: BT 100, BUS 230, BT 243, CL 102, CL 103, CL 104, CL 105, CL 106, CL 107, or BUS 295

Course No.	Course Title	Units	Term Completed	Comments
	Complete 2 additional units			(minimum grade 1.0)

Subtotal: 2 units

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. Though units will appear in this section as completed, they are not counted in the overall earned units for the degree. The course and units earned will appear below and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

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Business Technology Certificate (OOCOAC20) Active F 2023

Notes for the Business Technology Certificate:

This certificate is included in the BUSINESS TECHNOLOGY ATA (AASBTAPT) degree. With completion of this certificate, you will earn 41 units out of the 90 required for the degree.

Students must earn a C grade (2.0) or higher in all courses.

Course Requirements

Course No.	Course Title	Units	Term Completed	Comments
CL101	Computer Literacy	5		
BT105	Keyboard-Speed/Accuracy	3		
BUS104	Business English	5		
BUS165	Serv.Essentials Business	5		
BT219	Intro to MS Word	5		
CL110	Managing Internet Commun	5		
BT242	Excel	5		
BUS110	Business Communications (D)	5		
BUS135	Introduction to Data Analysis	3		

Total Units Required: 41

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 13 minimum

NON-DISCRIMINATION STATEMENT

Everett Community College does not discriminate based on, but not limited to, race, color, national origin, citizenship, ethnicity, language, culture, age, sex, gender identity or expression, sexual orientation, pregnancy or parental status, marital status, actual or perceived disability, use of service animal, economic status, military or veteran status, spirituality or religion, or genetic information in its programs, activities, or employment. Contact the following people with inquiries or complaints regarding discrimination, Title IX compliance, or Americans with Disabilities Act compliance: Equal Opportunity Director: EqualOpportunity@everettcc.edu, 425-388-9271; ADA Coordinator: ADAcoordinator@everettcc.edu, 425-388-9232; Title IX Coordinator: TitleIXCoordinator@everettcc.edu, 425-388-9271. All offices are located in Olympus Hall 111, 2000 Tower St. Everett, WA 98201. For more information, visit the Equal Opportunity and Title IX website: EverettCC.edu/EqualOpportunity.

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TD - ENGINEERING TECHNOLOGY (CAD) Certificate (DDTATC20)
Active: W 2017

ENGINEERING TECHNOLOGY (CAD) Certificate Details

Technical Design (CAD) certificates are stackable.

Four certificates are offered. This is the first certificate – Engineering Technology (CAD) - and offers recognition for those students who have taken classes in all the EvCC CAD software. The remaining three certificates address specific CAD software. These certificates may be considered as stand-alone credentials for people seeking to gain entry level CAD employment, or as the first level of a stackable set of certificates in the Advanced Manufacturing Technology – Technical Design (CAD) Associates in Technical Arts degree pathway. Candidates should be aware that many businesses require a 2-year associate degree for employment in this field, and that this certificate by itself may not be sufficient to meet this goal.

- All courses must be completed with a grade of C or better.

Complete the following courses with a C or better

Course No.	Course Title	Units	Term Completed	Comments
ENGT100	Engineering Graphics	4		
	Select 1 of the following: ENGT 108 or ENGR& 114	4		
ENGT185	Intro to CATIA 3DE	4		
ENGT204	Drafting using CAD	4		

TECHNICAL ELECTIVES

Complete the following with a C or better.

Course No.	Course Title	Units	Term Completed	Comments
	Technical Electives – 23 units			From: ENGT194, ENGT196, ENGT225, ENGT259, ENGT193, ENGT195, ENGT203, ENGT217, ENGT103, ENGT205

Total Units Required: 39

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 13 minimum

NON-DISCRIMINATION STATEMENT

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EVERETT COMMUNITY COLLEGE
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CATIA 3D Experience Certificate (DEOC3C20)

TECHNICAL DESIGN - CATIA 3D EXPERIENCE Certificate Details

Technical Design (CAD) certificates are stackable.

This checklist is targeted at students with an interest in CATIA 3D Experience technical design certificate and represents a subset of the classes required for an Associates in Technical Arts Degree. Four certificates are offered, and this is one of three of which address specific CAD software.

These certificates may be considered as stand-alone credentials for people seeking to gain entry level CAD employment, or as the first level of a stackable set of certificates in the Advanced Manufacturing Technology – Technical Design (CAD) Associates in Technical Arts degree pathway.

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
ENGT185	Intro to CATIA 3DE	4		
ENGT193	Intermed CAD w/ CATIA 3D	4		
ENGT194	Tool Design and Product	4		
ENGT195	Adv Surf w/ CATIA 3DE	4		
ENGT196	Adv Workbenches w/CATIA	4		
ENGT204	Drafting using CAD	4		
ENGT205	Precision, Fits w/ GD&T	5		
ENGT217	CAD Design Project	4		

Total Units Required: 33

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 11 minimum

NON-DISCRIMINATION STATEMENT

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Chemistry AS (LRST1AS) Active: F 2023

College Success - 2 units required

COLLEGE 101 or STEM 101 is mandatory for all new degree-seeking students. The class may be waived due to previous college coursework, or the specific course of study. Students in the following programs are exempt from this requirement: Advanced Manufacturing Technology, Aviation, Basic Skills, Cosmetology, EMT, Fire Science, Medical Assisting, Medical Coding, and Running Start.

Course No.	Course Title	Units	Term Completed	Comments
COLL101 *or* STEM101	College Success *or* College Success in STEM	2		

Communication Skills - 5 units required

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		

Mathematics Courses - 15 units required

Course No.	Course Title	Units	Term Completed	Comments
MATH&151	Calculus I	5		
MATH&152	Calculus II	5		
MATH&163	Calculus 3	5		

Humanities and Social Science Courses - 15 units required

ART 110, ART H 124, BUS& 101, CMST& 210, CMST& 220, PHIL& 114, and PSYC& 100 are recommended

Course No.	Course Title	Units	Term Completed	Comments
	Humanities - select 1 course	5		
	Social Science - select 1 course	5		
	Humanities/Social Science - select 1 course	5		

Natural Science courses - 51 units minimum required

Course No.	Course Title	Units	Term Completed	Comments
CHEM&161	General Chem w/Lab I	5.50		
CHEM&162	General Chem w/Lab II	5.50		
CHEM&163	General Chem w/lab III	5.50		
CHEM&261	Organic Chem w/Lab I	6		
CHEM&262	Organic Chem w/Lab II	6		
CHEM&263	Organic Chem w/Lab III	6		
PHYS&231 *and*	Engineering Phys I Lab *and*	1.50		

Course No.	Course Title	Units	Term Completed	Comments
PHYS&241 *or* BIOL&221	Engineering Physics I *or* Majors Ecology/Evolution	4 6		
PHYS&232 *and* PHYS&242 *or* BIOL&222	Engineering Phys II Lab *and* Engineering Physics II *or* Majors Cell/Molecular	1.50 4 6		
PHYS&233 *and* PHYS&243 *or* BIOL&223	Engineering Phys II Lab *and* Engineering Physics II *or* Majors Organismal Phys	1.50 4 6		

Elective Courses – 5 units required

Course No.	Course Title	Units	Term Completed	Comments
	Elective - select 1 course	5		MATH & 264 is recommended

Total Units Required: 93 minimum

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. No units will appear in this section as completed. The course and units earned will appear below and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the residency units.

Required Residency Units: 31 minimum

NON-DISCRIMINATION STATEMENT

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Computer Support Specialist Certificate (CSSCUC20) Active F 2023

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
STEM103	Introductory Scripting using Python	3-5		
IT111	Networking 1	5		
IT161	Computing Hardware/Tech	5		
IT162	Computing & Troubleshoot	5		
IT180	Information Security	5		

Total Units Required: 23

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 8 minimum

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EVERETT COMMUNITY COLLEGE
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COSMETOLOGY ATA (CSMCOAPT) Active: Su 2023

A grade of C (2.0) or higher is required in all courses.

Cosmetology Certificate Requirements (the base of the ATA)

In your starting quarter, take COSMT 211 and one of COSMT 110, COSMT 111, or COSMT 112. Also take one of COSMT102, HDEV155, or MATH60. The others will be taken in subsequent quarters. If you are attending part-time, work with your advisor.

Course No.	Course Title	Units	Term Completed	Comments
COSMT211	Cosmetology Basic Skills and Salon Practice	10 - 20		Offered in Fall, Winter, and Spring quarters

COSMT110	Trichology, Dermatology	5		Offered on a rotating basis
COSMT111	Salon Management	5		Offered on a rotating basis
COSMT112	Salon Safety/Chem/Elec	5		Offered on a rotating basis

COSMT102	Salon Communications	3		Only offered Winter quarter
HDEV155	Hum R in the Workplace	3		Offered all quarters
MATH60	Prof/Tech Math - Cosmt	3		Only offered Spring quarter

As you continue, take the following courses, as well as ones mentioned above that have not yet been taken.

Course No.	Course Title	Units	Term Completed	Comments
COSMT212	Advanced Color Lab	3		Only offered Spring quarter
COSMT213	Men's Haircutting Design	3		Only offered Winter quarter
COSMT214	Advanced Haircutting	3		Only offered Fall quarter
COSMT215	Textured Hair Servs	2		Only offered Summer quarter

As you are taking COSMT 212, COSMT 213, COSMT 214, and COSMT 215, also take COSMT 216, COSMT 217, COSMT 218, and COSMT 219.

Course No.	Course Title	Units	Term Completed	Comments
COSMT216	Cosmetology Practice VI	7 - 18		
COSMT217	Cosmetology Practice VII	7 - 18		
COSMT218	Cosmetology Practice VIII	7 - 18		
COSMT219	Cosmetology Practice IX	7 - 18		

COSMT 120 is designed for fifth quarter students preparing for the Washington State Written Licensure Exam. It provides theoretical review of facts from previous Cosmetology courses in preparation for in-house computerized exams before applying for WA State Board examination.

Course No.	Course Title	Units	Term Completed	Comments
COSMT120	Cosmetology Compendium	3		Only offered Fall quarter, the concluding course of the program.

Cosmetology ATA Requirements

Course No.	Course Title	Units	Term Completed	Comments
BUS110	Business Communications (D)	5		
BUS130	Business Computations	5		
CMST&210	Interpersonal Comm	5		

Total Units Required: 107.5 to 140.5

Diversity Course Requirement

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. Though credits will appear in this section as completed, they are not counted in the overall earned credits for the degree. The course and credits earned will appear above and be counted towards the appropriate area.

BUS110: Business Communications (Diversity)

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

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Cosmetology ATA with Hair Design (CSMCOAPT) Active: Su 2023

A grade of C (2.0) or higher is required in all courses.

Hair Design Certificate Requirements

In your starting quarter, take CHD 211.

Course No.	Course Title	Units	Term Completed	Comments
CHD211	Hair Design Basic Skills	10 - 20		Offered in Fall, Winter, and Spring quarters

In your starting quarter, take one of CHD 110, COSMT 111, or COSMT 112. The others will be taken in subsequent quarters.

Course No.	Course Title	Units	Term Completed	Comments
CHD110	Trichology, Dermatology	2		Offered on a rotating basis
COSMT111	Salon Management	5		Offered on a rotating basis
COSMT112	Salon Safety/Chem/Elec	5		Offered on a rotating basis

In your starting quarter, take one of COSMT102, HDEV155, or MATH60. The others will be taken in subsequent quarters.

Course No.	Course Title	Units	Term Completed	Comments
COSMT102	Salon Communications	3		Only offered Spring quarter
HDEV155	Hum R in the Workplace	3		Offered all quarters
MATH60	Prof/Tech Math - Cosmt	3		Only offered Winter quarter

As you continue, you will take the following courses, as well as the ones mentioned above that have not yet been taken.

Course No.	Course Title	Units	Term Completed	Comments
COSMT212	Advanced Color Lab	3		Only offered Spring quarter
COSMT213	Men's Haircutting Design	3		Only offered Winter quarter
COSMT214	Advanced Haircutting	3		Only offered Fall quarter
COSMT215	Textured Hair Servs	2		Only offered Summer quarter

As you are taking COSMT 212, COSMT 213, COSMT 214, and COSMT 215, also take COSMT 216, COSMT 217, COSMT 218, and COSMT 219.

Course No.	Course Title	Units	Term Completed	Comments
COSMT216	Cosmetology Practice VI	7 - 18		
COSMT217	Cosmetology Practice VII	7 - 18		
COSMT218	Cosmetology Practice VIII	7 - 18		
COSMT219	Cosmetology Practice IX	7 - 18		

CHD 120 is designed for fifth quarter students preparing for the Washington State Hair Design Written Licensure Exam. It provides theoretical review of facts from previous Hair Design courses in preparation for in-house computerized exams before applying for WA State Board examination.

Course No.	Course Title	Units	Term Completed	Comments
CHD120	Hair Design Compendium	3		Only offered Fall quarter, the concluding course of the program.

Cosmetology ATA Requirements

Course No.	Course Title	Units	Term Completed	Comments
COSMT113	Skin and Nail Theory	3-4		Only offered Summer quarter
BUS110	Business Communications (D)	5		
BUS130	Business Computations	5		
CMST&210	Interpersonal Comm	5		

Total Units Required: 110.5 to 143.5

Diversity Course Requirement

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. Though credits will appear in this section as completed, they are not counted in the overall earned credits for the degree. The course and credits earned will appear above and be counted towards the appropriate area.

BUS110: Business Communications (Diversity)

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 37 minimum

NON-DISCRIMINATION STATEMENT

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Cosmetology Certificate (CSMCOC45) Active: Su 2023

A grade of C (2.0) or higher is required in all courses.

Cosmetology Certificate Requirements

In your starting quarter, take COSMT 211 and one of COSMT 110, COSMT 111, or COSMT 112. Also take one of COSMT102, HDEV155, or MATH60. The others will be taken in subsequent quarters. If you are attending part-time, work with your advisor.

Course No.	Course Title	Units	Term Completed	Comments
COSMT211	Cosmetology Basic Skills and Salon Practice	10 - 20		Offered in Fall, Winter, and Spring quarters.

COSMT110	Trichology, Dermatology	5		Offered on a rotating basis
COSMT111	Salon Management	5		Offered on a rotating basis
COSMT112	Salon Safety/Chem/Elec	5		Offered on a rotating basis

COSMT102	Salon Communications	3		Only offered Winter quarter
HDEV155	Hum R in the Workplace	3		Offered all quarters but is usually taken Fall quarter.
MATH60	Prof/Tech Math - Cosmt	3		Only offered Spring quarter

As you continue, take the following courses, as well as ones mentioned above that have not yet been taken.

Course No.	Course Title	Units	Term Completed	Comments
COSMT212	Advanced Color Lab	3		Only offered Spring quarter
COSMT213	Men's Haircutting Design	3		Only offered Winter quarter
COSMT214	Advanced Haircutting	3		Only offered Fall quarter
COSMT215	Textured Hair Servs	2		Only offered Summer quarter

As you are taking COSMT 212, COSMT 213, COSMT 214, and COSMT 215, also take COSMT 216, COSMT 217, COSMT 218, and COSMT 219.

Course No.	Course Title	Units	Term Completed	Comments
COSMT216	Cosmetology Practice VI	7 - 18		
COSMT217	Cosmetology Practice VII	7 - 18		
COSMT218	Cosmetology Practice VIII	7 - 18		
COSMT219	Cosmetology Practice IX	7 - 18		

COSMT 120 is Designed for fifth quarter students preparing for the Washington State Written Licensure Exam. It provides theoretical review of facts from previous Cosmetology courses in preparation for in-house computerized exams before applying for WA State Board examination.

Course No.	Course Title	Units	Term Completed	Comments
COSMT120	Cosmetology Compendium	3		Only offered Fall quarter, the concluding course of the program.

Total Units Required: 92.5 to 125.5

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 31 minimum

NON-DISCRIMINATION STATEMENT

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CRIMINAL JUSTICE AAS-T (CJPCJAAS) Active: W 2021

REQUIRED GENERAL EDUCATION COURSES – 20 units

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101 *or* ENGL&101D	English Composition	5		
CMST204 *or* CMST204D	Intercultural Comm	5		
	Mathematics	5		MATH&107 (or higher) recommended
	Natural Science with Lab	5		

REQUIRED CORE COURSES - 50 UNITS

Course No.	Course Title	Units	Term Completed	Comments
CJ&101	Intro Criminal Justice	5		
CJ103	Criminal Investigation	5		
CJ&110	Criminal Law	5		
CJ114	Intro to Crisis Intervn	5		
IT203	Info and Cyber Warfare (formerly CJ 203)	5		
CJ204	Intelligence Gathering	5		
CJ205	Cybercriminals	5		
CJ224	Professional Comm Skills	5		
CJ&240	Intro to Forensic Sci	5		
CJ243	Ethical Dilemmas	5		

PROGRAM ELECTIVES - 20 UNITS

Course No.	Course Title	Units	Term Completed	Comments
	Electives: Complete 20 units			From: PSYC&100, PSYC&220, CJ&105, CJ&112, CJ102, CJ235, CJ251, CJ234, CJ175, CJ232, CJ236, CJ242, CJ250, CJ252, CJ241, IT145, CJ115, and no more than one PEHW course

Course No.	Course Title	Units	Term Completed	Comments
				Other courses with CJ designation may be approved by a program advisor. There is a limit of one PEHW course.

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. Though units will appear in this section as completed, they are not counted in the overall earned units for the degree. The course and units earned will appear above and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units - 30 minimum

NON-DISCRIMINATION STATEMENT

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Cybercrime Investigation Certificate (CFCCCC20)

Grade Requirements

- A grade of C or higher is required in all courses.

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
IT145	Digital Forensics	5		
IT203	Info and Cyber Warfare	5		
CJ204	Intelligence Gathering	5		
CJ205	Cybercriminals	5		

Total Units Required: 20

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 7 minimum

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EVERETT COMMUNITY COLLEGE
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Cybersecurity Analyst Certificate (CFCCAC01)

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
IT145	Digital Forensics	5		
IT245	Network Defense	5		
IT280	Ethical Hacking	5		

Total Units Required: 15

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 5 minimum

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Early Childhood Education ATA (ECEECAPT)

COLLEGE SUCCESS - 2 UNITS TOTAL

COLLEGE 101 is mandatory for all new degree-seeking students. The class may be waived due to previous college coursework, or the specific course of study. Students in the following programs are exempt from this requirement: Advanced Manufacturing Technology, Aviation, Basic Skills, Cosmetology, EMT, Fire Science, Medical Coding, and Running Start.

Course No.	Course Title	Units	Term Completed	Comments/Substitution
COLL101	College Success	2		

GENERAL EDUCATION - 15 UNITS TOTAL

Course No.	Course Title	Units	Term Completed	Comments/Substitution
ENGL&101	English Composition I	5		
	Quantitative Skills	5		MATH& 107 recommended
CMST&210	Interpersonal Comm	5		

REQUIRED ECE COURSES - 59 UNITS TOTAL

Course No.	Course Title	Units	Term Completed	Comments/Substitution
ECED&105	Introduction to ECE (minimum grade 2.0)	5		
ECED&107	Health/Nutrition/Safety (minimum grade 2.0)	5		
ECED&120	Practicum--Relationships (minimum grade 2.0)	2		
EDUC&115	Child Development	5		
EDUC&130	Guiding Behavior (minimum grade 2.0)	3		
EDUC&150	Child/Family/Community (minimum grade 2.0)	3		
ECED&160	Curriculum Development (minimum grade 2.0)	5		
ECED&170	Environments-Young Child (minimum grade 2.0)	3		
ECED&180	Language/Literacy Devel (minimum grade 2.0)	3		
ECED&190	Observation & Assessment (minimum grade 2.0)	3		
ECE132	Practicum Lab II (minimum grade 2.0)	4		

Course No.	Course Title	Units	Term Completed	Comments/Substitution
ECE135	Family Dynamics (minimum grade 2.0)	3		
ECE215	Art/Storytelling ECE/Ed (minimum grade 2.0)	5		
ECE207	App Math/Sci in ECE Lab (minimum grade 2.0)	5		
ECE233	Early Ch Practicum III (minimum grade 2.0)	2		
EDUC&203	Exceptional Child (minimum grade 2.0)	3		

GENERAL REQUIRED - 10 UNITS TOTAL

Course No.	Course Title	Units	Term Completed	Comments/Substitution
PSYC&100	General Psychology	5		
	Natural Science - select 1			BIOL 107, ENVS& 100, GEOL 107, NATS 107, or NUTR& 101 are strongly recommended.

ELECTIVES - 4 UNITS TOTAL

Course No.	Course Title	Units	Term Completed	Comments/Substitution
	Complete 4 additional units			ECE239, ECED&132, ECED&134, ECED&139, EDUC&136, ENGL183, ENGL183, and SOC220 recommended

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. Though units will appear in this section as completed, they are not counted in the overall earned units for the degree. The course and units earned will appear above and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

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Early Childhood Education State Certificate (ECEECC45)

General Education Requirements

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		
	MATH&107 or higher	5		

Subtotal: 10 units

Required ECE Courses - Complete the following with a C or better.

Course No.	Course Title	Units	Term Completed	Comments
ECED&105	Introduction to ECE	5		
ECED&107	Health/Nutrition/Safety	5		
ECED&120	Practicum--Relationships	2		
EDUC&115	Child Development	5		
ECED&132 *or* ECED&134 *or* ECED&139 *or* EDUC&130 *or* EDUC&136	Infants & Toddlers Care *or* Family Childcare Mgmt *or* Admin of Early Learning *or* Guiding Behavior *or* School Age Care	3		
EDUC&150	Child/Family/Community	3		
ECED&160	Curriculum Development	5		
ECED&180	Language/Literacy Devel	3		
ECED&190	Observation & Assessment	3		
ECED&170 *or* EDUC&130	Environments-Young Child *or* Guiding Behavior	3		

Subtotal: 37 units

Total Units Required: 47

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 16 minimum

NON-DISCRIMINATION STATEMENT

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or religion, or genetic information in its programs, activities, or employment. Contact the following people with inquiries or complaints regarding discrimination, Title IX compliance, or Americans with Disabilities Act compliance: Equal Opportunity Director: EqualOpportunity@everettcc.edu, 425-388-9271; ADA Coordinator: ADAcoordinator@everettcc.edu, 425-388-9232; Title IX Coordinator: TitleIXCoordinator@everettcc.edu, 425-388-9271. All offices are located in Olympus Hall 111, 2000 Tower St. Everett, WA 98201. For more information, visit the Equal Opportunity and Title IX website: EverettCC.edu/EqualOpportunity.

Early Childhood Education State Initial Certificate (ECEECC01)

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
ECED&105	Introduction to ECE	5		
ECED&107	Health/Nutrition/Safety	5		
ECED&120	Practicum--Relationships	2		

Total Units Required: 12

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 4 minimum

NON-DISCRIMINATION STATEMENT

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Early Childhood Education State Short: Administration Certificate (ECEADC20)

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments/Substitution
ECED&105	Introduction to ECE	5		
ECED&107	Health/Nutrition/Safety	5		
ECED&120	Practicum--Relationships	2		
EDUC&115	Child Development	5		
ECED&139	Admin of Early Learning	3		

Total Units Required: 20

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 7 minimum

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Early Childhood Education State Short: Family Childcare Certificate (ECEFCC20)

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
ECED&105	Introduction to ECE	5		
ECED&107	Health/Nutrition/Safety	5		
ECED&120	Practicum--Relationships	2		
EDUC&115	Child Development	5		
ECED&134	Family Childcare Mgmt	3		

Total Units Required: 20

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 7 minimum

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Early Childhood Education State Short: General Certificate (ECEGEC20)

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
ECED&105	Introduction to ECE	5		
ECED&107	Health/Nutrition/Safety	5		
ECED&120	Practicum--Relationships	2		
EDUC&115	Child Development	5		
EDUC&130	Guiding Behavior	3		

Total Units Required: 20

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 7 minimum

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Early Childhood Education State Short: Infants and Toddlers Certificate (ECEITC20)

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
ECED&105	Introduction to ECE	5		
ECED&107	Health/Nutrition/Safety	5		
ECED&120	Practicum--Relationships	2		
EDUC&115	Child Development	5		
ECED&132	Infants & Toddlers Care	3		

Total Units Required: 20

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 7 minimum

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Early Childhood Education State Short: School Age Care Certificate (ECESAC20)

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
ECED&105	Introduction to ECE	5		
ECED&107	Health/Nutrition/Safety	5		
ECED&120	Practicum--Relationships	2		
EDUC&115	Child Development	5		
EDUC&136	School Age Care	3		

Total Units Required: 20

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 7 minimum

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Electronics Certificate (AMTAEC01) Active: SP 2023

Students must be enrolled full-time, as the courses cannot be taken individually.

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
AVIO101	Electrical Fundamentals	8		
AVIO102	Electronic Fundamentals	8		

Total Units Required: 16

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 5 minimum

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Emergency Medical Technician Certificate (EMPEMC01)

Course Requirement - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
EMS151	Emergency Medical Technician Training	13		

Total Units Required: 13

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

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Engineering AS-T - Computer and Electrical (EECCEAS) Active: F 2019

Notes for the PRE-ENGINEERING AS-T, Computer and Electrical Engineering:

Minimum of 106 units with possible additional prerequisites.

- This degree plan is targeted at transfer students with an interest in one of the above engineering majors at the University of Washington or Washington State University.
- Although there are no specific admission requirements to begin your pre-engineering studies at EvCC, preparatory courses in chemistry, mathematics and physics are prerequisites for many of the required engineering courses. Actual prerequisites are noted below.
- Though courses in a foreign language are not required in the Associate of Science degree, some universities may require two or three quarters of foreign language for admission or for graduation.

While this plan is designed to address the transfer requirements of the intended transfer university, it is your responsibility to verify these requirements have not changed.

There may be course-level and GPA grade requirements; be sure to discuss this with your advisor.

- Completion of listed and recommended courses will result in more than 90 units being earned for the degree. The advantage is that the completion of these courses will enable you to progress more efficiently in your major at a university. Alternatively, some of the more advanced courses may be done at the university instead. Please consult with an advisor to decide the best option for you.

Note: Many of the following courses have prerequisites. Students must:

- Complete CHEM& 140 or place into CHEM& 161
- Complete ENGL 98 or place into ENGL& 101
- Complete ENGR 111 and MATH& 142 before ENGR 121
- Complete ENGR 121 before CS& 131 or CS& 141
- Complete ENGR 121 and PHYS& 243 before ENGR& 204
- Complete MATH& 144 or MATH&142 or place into MATH& 151
- Complete PHYS& 114 or place into PHYS& 241
- Complete MFGT 103 before PHYS& 233
- Complete BIOL& 221 and CHEM& 162 before BIOL& 222. This is a Specialization Course option; BIOL& 221 is not built into this plan. Discuss building in the prerequisites with your advisor if these are necessary for your plan.

College Success Course - 2 units required

COLLEGE 101 or STEM 101 is mandatory for all new degree-seeking students. The class may be waived due to previous college coursework, or the specific course of study. Students in the following programs are exempt from this requirement: Advanced Manufacturing Technology, Aviation, Basic Skills, Cosmetology, EMT, Fire Science, Medical Assisting, Medical Coding, and Running Start.

Course No.	Course Title	Units	Term Completed	Comments
STEM101 *or* COLL101	College Success in STEM *or* College Success	2		STEM 101 is strongly recommended.

Communication Skills - 5 units required

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		Minimum grade: 2.0

Humanities and Social Science Courses - 15 units required in two different disciplines

You must take 15 units total in at least two different disciplines. One must be selected from Humanities and another from Social Sciences. The third course may be from Humanities or Social Science. At least one course from the three should be a diversity course designated by the Diversity attribute (note ENGL& 101 - Diversity may also be used to fulfill the diversity requirement). Students interested in transferring to WSU should choose a diversity course that also meets WSU diversity requirements.

Course No.	Course Title	Units	Term Completed	Comments
	Humanities - select 1 course	5		ART 110, ART 111, CMST&210, or CMST& 220 are recommended.
	Social Science - select 1 course	5		BUS& 101, ECON& 201, or ECON& 202. The WSU Electrical Engineering Program requires ECON& 201 or ECON& 202. The WSU Mechanical Engineering program requires ECON& 202.
	Humanities/Social Science - select 1 course	5		A World Language is recommended.

Mathematics Courses - 25 units required (minimum grade of C or higher)

Course No.	Course Title	Units	Term Completed	Comments
MATH&151	Calculus I	5		
MATH&152	Calculus II	5		
MATH&163	Calculus 3	5		
MATH260	Linear Algebra	5		
MATH261	Differential Equations	5		

Science and Engineering Courses - 37 units required (minimum grade of C or higher)

Course No.	Course Title	Units	Term Completed	Comments
CHEM&161	General Chem w/Lab I	5.5		
CS&131 *or* CS&141	Computer Science I C++ *or* Computer Science I Java	5		CS& 131 (WSU) or CS& 141 (UW)
ENGR111	Intro Engr I: Mod/Anal	5		ENGR 111 may be waived, at the Engineering faculty's discretion, for students transferring to EvCC with advanced standing in engineering.
ENGR&204	Electrical Circuits	5		
PHYS&241	Engineering Physics I	4		Must be taken with PHYS&231.
PHYS&231	Engineering Phys I Lab	1.5		Must be taken with PHYS&241.
PHYS&242	Engineering Physics II	4		Must be taken with PHYS&232.
PHYS&232	Engineering Phys II Lab	1.5		Must be taken with PHYS&242.

Course No.	Course Title	Units	Term Completed	Comments
PHYS&243	Engineering Physics III	4		Must be taken with PHYS&233.
PHYS&233	Engineering Phys III Lab	1.5		Must be taken with PHYS&243.

Specialization Courses - 22 units required

Select courses as appropriate for intended major and transfer institution.

A minimum of 5 courses and 22 units are required; different specializations and/or transfer universities may require more.

ELECTRICAL

- University of Washington: CS 143, ENGL& 235, ENGR 121, MATH& 264, and
  - Choose 2 from: CHEM& 162, ENGR 202, ENGR& 214, ENGR& 215, ENGR& 224, ENGR 240
- Washington State University: CS 132, ENGL& 235, ENGR 121, ENGR 205, MATH& 264, ENGR 202*, and
  - Choose 2 from: ENGR& 214, ENGR& 215, ENGR& 224, ENGR 240

COMPUTER

- University of Washington: CS 143, ENGL& 235, ENGR 121, ENGR 202, Choose 1 more
- Washington State University: CS 132, ENGL& 235, ENGR 121, ENGR 202, MATH& 264, CS 233*

* Course required for BS degree, but typically taken in junior year and not required to transfer with junior standing. Completion at EvCC recommended if there is space in your schedule for improved junior year preparation.

Course No.	Course Title	Units	Term Completed	Comments
	22 units required			

Total Units Required: 106

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. No units will appear in this section as completed. The course and units earned will appear below and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 1/3 of the total units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the residency units.

Required Residency Units: 35 minimum

NON-DISCRIMINATION STATEMENT

Everett Community College does not discriminate based on, but not limited to, race, color, national origin, citizenship, ethnicity, language, culture, age, sex, gender identity or expression, sexual orientation, pregnancy or parental status, marital status, actual or perceived disability, use of service animal, economic status, military or veteran status, spirituality or religion, or genetic information in its programs, activities, or employment. Contact the following people with inquiries or complaints regarding discrimination, Title IX compliance, or Americans with Disabilities Act compliance: Equal Opportunity Director: EqualOpportunity@everettcc.edu, 425-388-9271; ADA Coordinator: ADAcoordinator@everettcc.edu, 425-388-9232; Title IX Coordinator: TitleIXCoordinator@everettcc.edu, 425-388-9271. All offices are located in Olympus Hall 111, 2000 Tower St. Everett, WA 98201. For more information, visit the Equal Opportunity and Title IX website: EverettCC.edu/EqualOpportunity.

EVERETT COMMUNITY COLLEGE
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Engineering AS-T - General (PHST2AS) Active: F 2019

Notes for the PRE-ENGINEERING AS-T, General Engineering Transfer

Minimum of 90 units with possible additional prerequisites.

- This degree plan is targeted at transfer students with an interest in an engineering or engineering technology major at a university other than University of Washington or Washington State University or in majors not included in the Computer and Electrical Engineering plan or the Mechanical, Civil, Aeronautical, Industrial, and Materials Science one.
- Students should work with an advisor to develop a customized plan specific to their intended major and transfer destination and should maintain this degree plan while at Everett Community College.
- Though courses in a foreign language are not required in the Associate of Science degree, some universities may require two or three quarters of foreign language for admission or for graduation.
- ENGR 111 may be waived, at the Engineering faculty's discretion, for students transferring to EvCC with advanced standing in engineering.

While this plan is designed to address the transfer requirements of the intended transfer university, it is your responsibility to verify these requirements have not changed.

There may be course-level and GPA grade requirements; be sure to discuss this with your advisor.

Note: Many of the following courses have prerequisites. Students must:

- Complete CHEM& 140 or place into CHEM& 161
- Complete ENGL 98 or place into ENGL& 101
- Complete ENGR 111 and MATH& 142 before ENGR 121
- Complete ENGR 121 and PHYS& 241/231 before ENGR& 214
- Complete MATH& 144 or MATH&142 or place into MATH& 151
- Complete PHYS& 114 or place into PHYS& 241
- Complete MFGT 103 before PHYS& 233

College Success Course - 2 units required

Course No.	Course Title	Units	Term Completed	Comments
STEM101 *or* COLL101	College Success in STEM *or* College Success	2		

Communication Skills - 5 units required

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		

Humanities and Social Science Courses - 15 units required in two different disciplines

You must take 15 units total in at least two different disciplines. One must be selected from Humanities and another from Social Sciences. The third course may be from Humanities or Social Science. At least one course from the three should be a diversity course designated by the Diversity attribute (note ENGL& 101 - Diversity may also be used to fulfill the diversity requirement). Students interested in transferring to WSU should choose a diversity course that also meets WSU diversity requirements.

Course No.	Course Title	Units	Term Completed	Comments
	Humanities - select 1 course	5		ART 110, ART 111, CMST&210, or CMST& 220 are recommended.
	Social Science - select 1 course	5		BUS& 101, ECON& 201, or ECON& 202. The WSU Electrical Engineering Program requires ECON& 201 or ECON& 202. The WSU Mechanical Engineering program requires ECON& 202.
	Humanities/Social Science - select 1 course	5		A World Language is recommended.

Mathematics Courses - 15 units required

Course No.	Course Title	Units	Term Completed	Comments
MATH&151	Calculus I	5		minimum grade 2.0
MATH&152	Calculus II	5		minimum grade 2.0
MATH&163	Calculus 3	5		minimum grade 2.0

Science and Engineering Courses - 27 units required (minimum grade of C or higher)

Course No.	Course Title	Units	Term Completed	Comments
CHEM&161	General Chem w/Lab I	5.5		
ENGR111	Intro Engr I: Mod/Anal	5		
PHYS&241	Engineering Physics I	4		Must be taken with PHYS&231.
PHYS&231	Engineering Phys I Lab	1.5		Must be taken with PHYS&241.
PHYS&242	Engineering Physics II	4		Must be taken with PHYS&232.
PHYS&232	Engineering Phys II Lab	1.5		Must be taken with PHYS&242.
PHYS&243	Engineering Physics III	4		Must be taken with PHYS&233.
PHYS&233	Engineering Phys III Lab	1.5		Must be taken with PHYS&243.

Specialization Courses - 26 units required

Select courses as appropriate for intended major and transfer institution.

A minimum of 26 units is required; different specializations and/or transfer universities may require more.

MECHANICAL

- University of Washington: ENGL& 235, ENGR& 114, ENGR 121, ENGR 240, MATH& 264, ENGR 201*, ENGR& 204*
- Washington State University: ENGL& 235, ENGR& 114, ENGR 121, ENGR 240, MATH& 264, ENGR 201*, ENGR& 204*, ENGR 216*, ENGR 220*, ENGR& 224*

CIVIL & ENVIRONMENTAL

- University of Washington: ENGL& 235; ENGR& 114, ENGR 201, ENGR& 204 or ENGR& 224; ENGR 121, ENGR 240
- Washington State University: ENGL& 235; ENGR& 204 or ENGR& 224; ENGR 220; ENGR 240; MATH& 264

AERONAUTICS & ASTRONAUTICS

- University of Washington: ENGL& 235, ENGR 121, ENGR& 224, ENGR 240, MATH& 264
- Washington State University: N/A

INDUSTRIAL

- University of Washington: CS& 131, ENGL& 235, ENGR 121, ENGR& 204, MATH& 264
- Washington State University: N/A

MATERIALS SCIENCE

- University of Washington: ENGL& 235, ENGR 121, ENGR 201, ENGR 240, MATH& 264
- Washington State University: ENGL& 235, ENGR 121, ENGR 201, ENGR 220, ENGR 240, MATH& 264

ELECTRICAL

- University of Washington: CS 143, ENGL& 235, ENGR 121, MATH& 264, and
  - Choose 2 from: CHEM& 162, ENGR 202, ENGR& 214, ENGR& 215, ENGR& 224, ENGR 240
- Washington State University: CS 132, ENGL& 235, ENGR 121, ENGR 205, MATH& 264, ENGR 202*, and
  - Choose 2 from: ENGR& 214, ENGR& 215, ENGR& 224, ENGR 240

COMPUTER

- University of Washington: CS 143, ENGL& 235, ENGR 121, ENGR 202, Choose 1 more
- Washington State University: CS 132, ENGL& 235, ENGR 121, ENGR 202, MATH& 264, CS 233*

* Course required for BS degree, but typically taken in junior year and not required to transfer with junior standing. Completion at EvCC recommended if there is space in your schedule for improved junior year preparation.

Course No.	Course Title	Units	Term Completed	Comments
	26 units required.			

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. No units will appear in this section as completed. The course and units earned will appear below and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

Everett Community College does not discriminate based on, but not limited to, race, color, national origin, citizenship, ethnicity, language, culture, age, sex, gender identity or expression, sexual orientation, pregnancy or parental status, marital status, actual or perceived disability, use of service animal, economic status, military or veteran status, spirituality or religion, or genetic information in its programs, activities, or employment. Contact the following people with inquiries or complaints regarding discrimination, Title IX compliance, or Americans with Disabilities Act compliance: Equal Opportunity Director: EqualOpportunity@everettcc.edu, 425-388-9271; ADA Coordinator: ADAcoordinator@everettcc.edu, 425-388-9232; Title IX Coordinator: TitleIXCoordinator@everettcc.edu, 425-388-9271. All offices are located in Olympus Hall 111, 2000 Tower St. Everett, WA 98201. For more information, visit the Equal Opportunity and Title IX website: EverettCC.edu/EqualOpportunity.

Engineering AS-T - Mechanical, Civil, Aeronautical, Industrial and Materials Science (MEEMCAS) Active: F 2019

PRE-ENGINEERING AS-T, Mechanical, Civil, Aeronautical, Industrial, Materials Science note

Minimum of 110.5 units with possible additional prerequisites.

- This degree plan is targeted at transfer students with an interest in one of the above engineering majors at the University of Washington or Washington State University.
- Although there are no specific admission requirements to begin your pre-engineering studies at EvCC, preparatory courses in chemistry, mathematics and physics are prerequisites for many of the required engineering courses. Actual prerequisites are noted below.
- Though courses in a foreign language are not required in the Associate of Science degree, some universities may require two or three quarters of foreign language for admission or for graduation.

While this plan is designed to address the transfer requirements of the intended transfer university, it is your responsibility to verify these requirements have not changed.

There may be course-level and GPA grade requirements; be sure to discuss this with your advisor.

- Completion of listed and recommended courses will result in more than 90 units being earned for the degree. The advantage is that the completion of these courses will enable you to progress more efficiently in your major at a university. Alternatively, some of the more advanced courses may be done at the university instead. Please consult with an advisor to decide the best option for you.

Note: Many of the following courses have prerequisites. Students must:

- Complete CHEM& 140 or place into CHEM& 161
- Complete ENGL 98 or place into ENGL& 101
- Complete ENGR 111 and MATH& 142 before ENGR 121
- Complete ENGR 121 and PHYS& 241/231 before ENGR& 214
- Complete MATH& 144 or MATH&142 or place into MATH& 151
- Complete PHYS& 114 or place into PHYS& 241
- Complete MFGT 103 before PHYS& 233

College Success Course - 2 units total

COLLEGE 101 or STEM 101 is mandatory for all new degree-seeking students. The class may be waived due to previous college coursework, or the specific course of study. Students in the following programs are exempt from this requirement: Advanced Manufacturing Technology, Aviation, Basic Skills, Cosmetology, EMT, Fire Science, Medical Assisting, Medical Coding, and Running Start.

Course No.	Course Title	Units	Term Completed	Comments
STEM101 *or* COLL101	College Success in STEM *or* College Success	2		

Communication Skills - 5 units required

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		

Humanities and Social Science Courses - 15 units required in two different disciplines

You must take 15 units total in at least two different disciplines. One must be selected from Humanities and another from Social Sciences. The third course may be from Humanities or Social Science. At least one

course from the three should be a diversity course designated by the Diversity attribute (note ENGL& 101 - Diversity may also be used to fulfill the diversity requirement). Students interested in transferring to WSU should choose a diversity course that also meets WSU diversity requirements.

Course No.	Course Title	Units	Term Completed	Comments
	Humanities - select 1 course	5		ART 110, ART 111, CMST&210, or CMST& 220 are recommended.
	Social Science - select 1 course	5		BUS& 101, ECON& 201, or ECON& 202. The WSU Electrical Engineering Program requires ECON& 201 or ECON& 202. The WSU Mechanical Engineering program requires ECON& 202.
	Humanities/Social Science - select 1 course	5		A World Language is recommended.

Mathematics Courses - 25 units required

Course No.	Course Title	Units	Term Completed	Comments
MATH&151	Calculus I	5		
MATH&152	Calculus II	5		
MATH&163	Calculus 3	5		
MATH260	Linear Algebra	5		
MATH261	Differential Equations	5		

Science and Engineering Courses – 47.5 units required

Course No.	Course Title	Units	Term Completed	Comments
CHEM&161	General Chem w/Lab I	5.5		
CHEM&162	General Chem w/Lab II	5.5		
ENGR111	Intro Engr I: Mod/Anal	5		ENGR 111 may be waived, at the Engineering faculty's discretion, for students transferring to EvCC with advanced standing in engineering.
ENGR&214	Statics	5		
ENGR&215	Dynamics	5		
ENGR&225	Mechanics of Materials	5		
PHYS&241	Engineering Physics I	4		Must be taken with PHYS&231.
PHYS&231	Engineering Phys I Lab	1.5		Must be taken with PHYS&241.
PHYS&242	Engineering Physics II	4		Must be taken with PHYS&232.
PHYS&232	Engineering Phys II Lab	1.5		Must be taken with PHYS&242.
PHYS&243	Engineering Physics III	4		Must be taken with PHYS&233.
PHYS&233	Engineering Phys III Lab	1.5		Must be taken with PHYS&243.

Specialization Courses - 16 units required

Select courses as appropriate for intended major and transfer institution.

A minimum of 4 courses and 16 units is required; different specializations and/or transfer universities may require more.

MECHANICAL

- University of Washington: ENGL& 235, ENGR& 114, ENGR 121, ENGR 240, MATH& 264, ENGR 201*, ENGR& 204*
- Washington State University: ENGL& 235, ENGR& 114, ENGR 121, ENGR 240, MATH& 264, ENGR 201*, ENGR& 204*, ENGR 216*, ENGR 220*, ENGR& 224*

CIVIL & ENVIRONMENTAL

- University of Washington: ENGL& 235; ENGR& 114, ENGR 201, ENGR& 204 or ENGR& 224; ENGR 121, ENGR 240
- Washington State University: ENGL& 235; ENGR& 204 or ENGR& 224; ENGR 220; ENGR 240; MATH& 264

AERONAUTICS & ASTRONAUTICS

- University of Washington: ENGL& 235, ENGR 121, ENGR& 224, ENGR 240, MATH& 264
- Washington State University: N/A

INDUSTRIAL

- University of Washington: CS& 131, ENGL& 235, ENGR 121, ENGR& 204, MATH& 264
- Washington State University: N/A

MATERIALS SCIENCE

- University of Washington: ENGL& 235, ENGR 121, ENGR 201, ENGR 240, MATH& 264
- Washington State University: ENGL& 235, ENGR 121, ENGR 201, ENGR 220, ENGR 240, MATH& 264

** Course required for BS degree, but typically taken in junior year and not required to transfer with junior standing. Completion at EvCC recommended if there is space in your schedule for improved junior year preparation.*

Course No.	Course Title	Units	Term Completed	Comments
	16 units required.			

Total Units Required: 110.5

Diversity Course Requirement

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. No units will appear in this section as completed. The course and units earned will appear below and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 37 units

NON-DISCRIMINATION STATEMENT

Everett Community College does not discriminate based on, but not limited to, race, color, national origin, citizenship, ethnicity, language, culture, age, sex, gender identity or expression, sexual orientation, pregnancy or parental status, marital status, actual or perceived disability, use of service animal, economic status, military or veteran status, spirituality or religion, or genetic information in its programs, activities, or employment. Contact the following people with inquiries or complaints regarding discrimination, Title IX compliance, or Americans with Disabilities Act compliance: Equal Opportunity Director: EqualOpportunity@everettcc.edu, 425-388-9271; ADA Coordinator: ADAcoordinator@everettcc.edu, 425-388-9232; Title IX Coordinator: TitleIXCoordinator@everettcc.edu, 425-388-9271. All offices are located in Olympus Hall 111, 2000 Tower St. Everett, WA 98201. For more information, visit the Equal Opportunity and Title IX website: EverettCC.edu/EqualOpportunity.

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Event Planning Certificate (RFSEPC01)

Students must earn a C grade (2.0) or better in all courses.

Course Requirements - Complete with a C or higher

Course No.	Course Title	Units	Term Completed	Comments
BUS165	Serv.Essentials Business	5		
BUS121	Banquet & Conference Ops	3		
BUS122	Event Planning Ops	5		
BUS230	Intro to Hospitality	5		

Total Units Required: 18

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 6 minimum

NON-DISCRIMINATION STATEMENT

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Fire Science AAS-T (FIGFSAAS) Active: F 2023

REQUIRED GENERAL EDUCATION COURSES - 20 UNITS

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		
	MATH&107 or higher	5		MATH&107 recommended
CMST&210	Interpersonal Comm	5		
PSYC&100	General Psychology	5		

FIRE SCIENCE CORE COURSES - 30 UNITS

Course No.	Course Title	Units	Term Completed	Comments
FIRE101 *or* FIRE102	Intro to Fire Science *or* Intro to Fire Service	5		
FIRE104	Fire Dept Comm Relations	3		
FIRE110	Fire Suppression Systems	3		
FIRE120	Pump Ops/Hydraulics	5		
FIRE200	Fire Co Strat/Tactics	5		
FIRE203	Building Construc Fire	5		
FIRE246	Fire Codes	4		

PROGRAM ELECTIVES - 40 UNITS

Elective Requirement Details

Students must complete a minimum of 20 elective units from courses FIRE, FSA, FSM, EMS not already included in the Fire Science Core.

The remaining elective units may be either FIRE, FSA, FSM, EMS or from the AAS-DTA list (both List A and List B classes accepted).

Only 3 units for PEHW activity courses, numbered 100 and above, may be applied toward the degree.

Students who have completed FIRE 100 and additionally then complete FIRE 195 may not receive credit for both. Students will receive 22.5 elective units for FIRE 100 and 3.5 additional FIRE elective units for the completion of FIRE 195.

Students who receive transfer credit for FIRE 100 may not also receive transfer credit for FIRE 106 and/or FIRE 124, and vice versa.

Course No.	Course Title	Units	Term Completed	Comments
	Electives - Complete 20 units from the following: EMS151, EMS153, EMS154, EMS246, FIRE100, FIRE103, FIRE106, FIRE122, FIRE124, FIRE202, FIRE205, FIRE240, FIRE249, FSA206, FSA208, FSA210, FSA212, FSA214, FSA216, FSM218, FSM220, FSM222, FSM224	5		

Course No.	Course Title	Units	Term Completed	Comments
		5		
		5		
		5		
	Electives – Complete an additional 20 units from FIRE, FSA, FSM, EMS, CJ, or from the AAS-DTA list (both List A and List B classes accepted)	5		Remember you are required to complete at least one Diversity course. If you did not take ENGL&101: English Composition (D), you will need to take one in your Additional Electives.
		5		
		5		
		5		

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. Though units will appear in this section as completed, they are not counted in the overall earned units for the degree. The course and units earned will appear above and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

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Food and Beverage Certificate (RFSFBC01)

Students must earn a C grade (2.0) or better in all courses.

Course Requirements - Complete with a C or higher

Course No.	Course Title	Units	Term Completed	Comments
BUS165	Serv.Essentials Business	5		
BUS123	Menu Design	3		
BUS124	Food & Beverage Ops	5		
BUS230	Intro to Hospitality	5		

Total Units Required: 18

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 6 minimum

NON-DISCRIMINATION STATEMENT

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EVERETT COMMUNITY COLLEGE
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Geology AS (LRST1AS-GEOL) Active: Sp 2016

College Success Course - 2 units total

COLLEGE 101 or STEM 101 is mandatory for all new degree-seeking students. The class may be waived due to previous college coursework, or the specific course of study. Students in the following programs are exempt from this requirement: Advanced Manufacturing Technology, Aviation, Basic Skills, Certified Nursing Assistant, Cosmetology, EMT, Fire Science, Medical Assisting, Medical Coding, and Running Start.

Course No.	Course Title	Units	Term Completed	Comments
STEM101 *or* COLL101	College Success in STEM *or* College Success	2		

Basic Communication Skills - 5 units total

Select courses from the DTA approved Communication Skills course list. At least 5 units must be earned in English Composition.

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101 *or* ENGL&101D	English Composition I	5		

Basic Quantitative Skills - 10 units total

Select courses from the DTA approved Quantitative Skills course list. The institution(s) you are looking to transfer to may require different Quantitative Skills courses. Be sure to verify the requirements of the transfer institution(s).

Course No.	Course Title	Units	Term Completed	Comments
	MATH& 151 or higher	5		
	MATH& 152 or higher	5		

Humanities and Social Science Courses - 15 units total

Course No.	Course Title	Units	Term Completed	Comments
	Humanities - select 1 course	5		
	Social Science - select 1 course	5		
	Humanities/Social Science - select 1 course	5		

Natural Science - 36.5 units total

Select courses from the DTA approved Natural Sciences course list. This must include at least 1 Lab Science course, and courses taken must be from 2 different disciplines. Any additional Natural Science units beyond 15 will be counted towards your Electives.

The institution(s) you are looking to transfer to may require different Natural Science courses. Be sure to verify the requirements of the transfer institution(s).

Course No.	Course Title	Units	Term Completed	Comments
GEOL102	Intro to Geol Science I	5		
GEOL104	Intro to Geol Science II	5		
GEOL&103	Historical Geology	5		
CHEM&161	General Chem w/Lab I	5.5		
CHEM&162	General Chem w/Lab II	5.5		
CHEM&163	General Chem w/lab III	5.5		
	PHYS - select 1	5		You must take the Engineering Physics Lab with the corresponding course (241/231, 242/232, 243/233).

Electives – 21.5 units total

Course No.	Course Title	Units	Term Completed	Comments
	Electives - Complete 21.5 units			

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. No units will appear in this section as completed. The course and units earned will appear below and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EVCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

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Graphic and Web Design ATA (DMWGWAPT) Active: F 2023

College Success - 2 units required

COLLEGE 101 or STEM 101 is mandatory for all new degree-seeking students. The class may be waived due to previous college coursework, or the specific course of study. Students in the following programs are exempt from this requirement: Advanced Manufacturing Technology, Aviation, Basic Skills, Cosmetology, EMT, Fire Science, Medical Assisting, Medical Coding, and Running Start.

Course No.	Course Title	Units	Term Completed	Comments
COLL101 *or* STEM101	College Success *or* College Success in STEM	2		

Communication Skills - 5 units required

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101 *or* ENGL98	English Composition I *or* Intro to College Writing	5		Remember, at least 1 Diversity course is required to earn this degree.

Quantitative Skills - 5 units required

Course No.	Course Title	Units	Term Completed	Comments
	Quantitative - BUS130 or MATH&107 or higher	5		

Human Relations – 3 to 5 units required

Course No.	Course Title	Units	Term Completed	Comments
	Human Relations - select 1	3 - 5		From BUS110 (D), CMST&210, CMST&230, CMST204 (D), HDEV155.

First Year: Foundations - 40 units total

Course No.	Course Title	Units	Term Completed	Comments
ART110	Visual Foundation/Design	5		
GRAPH110	Digital Design Tools and Visual Communication	5		
PHOTO110	Intro to Digital Photography	5		
GRAPH113	GraphicDesign Typography	5		
GRAPH115	Infographic Design	5		
GRAPH118	Graphic Design Process	5		
GRAPH120	History Graphic Design	5		
GRAPH130	Coding For Web Design	5		

Second Year: Emphasis - 32 units required

Course No.	Course Title	Units	Term Completed	Comments
GRAPH240	Graphic Design for Web	5		
GRAPH242	Content Mgment Systems	5		
GRAPH201	Graphic Design I	5		
GRAPH292	Bus Practices Graph Desg	2		
ART295	Professional Practices	5		
GRAPH231 *or* GRAPH252	Advanced Typography *or* Booklab	5		
GRAPH213 *or* GRAPH271	Brand Identity *or* Dynamic Media Design	5		

Electives – 3 to 5 units required

Course No.	Course Title	Units	Term Completed	Comments
	Electives	3 - 5		ART 115 Drawing I (5 credits), BUS 115 Principles of Marketing (3 credits) recommended

Total Units Required: 90

EvCC RESIDENCY UNITS REQUIREMENT

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Required Residency Units: 30 minimum

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. No units will appear in this section as completed. The course and units earned will appear below and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

NON-DISCRIMINATION STATEMENT

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Graphic Design Certificate (COGGDC20) Active: F 2023

GRAPHIC DESIGN CERTIFICATE Details

A grade of a C (2.0) or higher is required for all courses.

- Students may receive multiple certificates by combining the course requirements, thereby improving career options. To add some related and specialized skills, additional sequences of courses in the following areas can be arranged: studio art, photography, programming and networking, and small business management.

Course Requirements – 42 units total

Course No.	Course Title	Units	Term Completed	Comments
GRAPH110	Digital Design Tools and Visual Communication	5		
PHOTO110	Intro to Digital Photography	5		
GRAPH113	GraphicDesign Typography	5		
GRAPH115	Infographic Design	5		
GRAPH118	Graphic Design Process	5		
GRAPH201	Graphic Design I	5		
GRAPH231	Typography	5		
GRAPH252	Booklab	5		
GRAPH292	Bus Practices Graph Desg	2		

Total Units Required: 42

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 14 minimum

NON-DISCRIMINATON STATEMENT

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Hair Design Certificate (HSHHDC45) Active: Su 2023

A grade of C (2.0) or higher is required in all courses.

Hair Design Certificate Requirements

In your starting quarter, take CHD 211.

Course No.	Course Title	Units	Term Completed	Comments
CHD211	Hair Design Basic Skills	10 - 20		Offered in Fall, Winter, and Spring quarters

In your starting quarter, take one of COSMT 110, COSMT 111, or COSMT 112. The others will be taken in subsequent quarters.

Course No.	Course Title	Units	Term Completed	Comments
CHD110	Trichology, Dermatology	2		Offered on a rotating basis
COSMT111	Salon Management	5		Offered on a rotating basis
COSMT112	Salon Safety/Chem/Elec	5		Offered on a rotating basis

In your starting quarter, take one of COSMT102, HDEV155, or MATH60. The others will be taken in subsequent quarters.

Course No.	Course Title	Units	Term Completed	Comments
COSMT102	Salon Communications	3		Only offered Spring quarter
HDEV155	Hum R in the Workplace	3		Offered all quarters
MATH60	Prof/Tech Math - Cosmt	3		Only offered Winter quarter

As you continue, you will take the following courses, as well as the ones mentioned above that have not yet been taken.

Course No.	Course Title	Units	Term Completed	Comments
COSMT212	Advanced Color Lab	3		Only offered Spring quarter
COSMT213	Men's Haircutting Design	3		Only offered Winter quarter
COSMT214	Advanced Haircutting	3		Only offered Fall quarter
COSMT215	Textured Hair Servs	2		Only offered Summer quarter

As you are taking COSMT 212, COSMT 213, COSMT 214, and COSMT 215, also take COSMT 216, COSMT 217, COSMT 218, and COSMT 219.

Course No.	Course Title	Units	Term Completed	Comments
COSMT216	Cosmetology Practice VI	7 - 18		
COSMT217	Cosmetology Practice VII	7 - 18		
COSMT218	Cosmetology Practice VIII	7 - 18		
COSMT219	Cosmetology Practice IX	7 - 18		

CHD 120 is designed for fifth quarter students preparing for the Washington State Hair Design Written Licensure Exam. It provides theoretical review of facts from previous Hair Design courses in preparation for in-house computerized exams before applying for WA State Board examination.

Course No.	Course Title	Units	Term Completed	Comments
CHD120	Hair Design Compendium	2.5		

Total Units Required: 89.5 to 122.5

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 30 minimum

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Healthcare Risk Management Certificate (MISHRC01) Active: F 2023

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
HCM206	Intro/Hlthcare Risk Mngt	5		
HCM207	Law/Hlth/Patient Safety	5		
HCM208	Hlthcare Risk Management	5		

Total Units Required: 15

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 5 minimum

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Information Technology AAS-T (CSTITAAS) Active: F 2023

Special Note

This degree is designed to transfer to Central Washington University's (CWU) Information Technology and Administrative Management degree. Transfer to CWU requires a cumulative GPA of 2.3 or higher. At least a C- in each course is required in order to meet admission criteria. Course substitutions require the approval of Central Washington University, and their requirements should always be reviewed directly with them.

Please note that CWU will accept up to 105 transfer units from a community college. The full list of courses can be found in the CWU General Education Transfer Guide

Grading Requirements

- All courses must be completed with a grade of C- or higher.
- An overall GPA of 2.3 is required.

College Success - 2 units

COLLEGE 101 or STEM 101 is mandatory for all new degree-seeking students. The class may be waived due to previous college coursework, or the specific course of study. Students in the following programs are exempt from this requirement: Advanced Manufacturing Technology, Aviation, Basic Skills, Cosmetology, EMT, Fire Science, Medical Assisting, Medical Coding, and Running Start.

Course No.	Course Title	Units	Term Completed	Comments/Substitution
COLL101 *or* STEM101	College Success *or* College Success in STEM	2		STEM 101 preferred

General Education Required Courses - 18 units

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		
	MATH& 107 or higher	5		MATH& 141 recommended
	Natural Science – select 1	5		Fundamental Disciplines of Physical/Biological: BIOL&100, CHEM&121, CHEM&161, GEOL102, NATS107, PHYS&114 or 241 and 231. Patterns & Connections in Natural World: ANTH&215, ASTR&101 or 115, ASTR 122, BIOL&232, ENVS&100 or 101, GEOG 205, GEO& 208L, NATS105. Applications of Natural Science: ATMS101, CHEM&110, GEOL106 or &110, NUTR&101, OCEA&101

Course No.	Course Title	Units	Term Completed	Comments
ENGL&230 *or* ENGL&235	Technical Writing *or* Technical Writing and Research	3 *or* 5		

Technical Required Courses

Waivers for any of the required courses may be considered based on verifiable evidence of previously acquired skills. Such waivers can only be granted by one of the approved program advisors. A waiver does not excuse the student from the requirement to earn the minimum number of required units.

Computer Support Specialist Certificate – 23 units

Course No.	Course Title	Units	Term Completed	Comments
STEM103	Introductory Scripting using Python	3-5		
IT111	Networking 1	5		
IT161	Computing Hardware/Tech	5		
IT162	Computing & Troubleshoot	5		
IT180	Information Security	5		

Information Technology Foundation Courses – 37 units

Course No.	Course Title	Units	Term Completed	Comments
CS110	Intro Computer Science	5		
CS&131 *or* CS&141	Computer Science I C++ *or* Computer Science I Java	5		
IT112	Networking 2	5		
IT113	Networking 3	5		
IT251	Computer Careers Intern	2		
IT202	Server Admin	5		
IT210	Network Application Supp	5		
IT175	Assessing and Securing Industrial Control Systems	5		

General Education Electives – 10 units

Course No.	Course Title	Units	Term Completed	Comments
	Humanities - select 1	5		
	Social Science - select 1	5		

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. Though units will appear in this section as completed, they are not counted in the overall earned units for the degree. The course and units earned will appear above and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

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Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

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Information Technology ATA (CSTITAPT) – Active F 2023

All courses must be completed with a grade of C or higher.

COLLEGE SUCCESS - 2 units

COLLEGE 101 or STEM 101 is mandatory for all new degree-seeking students. The class may be waived due to previous college coursework, or the specific course of study. Students in the following programs are exempt from this requirement: Advanced Manufacturing Technology, Aviation, Basic Skills, Cosmetology, EMT, Fire Science, Medical Assisting, Medical Coding, and Running Start.

Course No.	Course Title	Units	Term Completed	Comments/Substitution
COLL101 *or* STEM101	College Success *or* College Success in STEM	2		STEM 101 Preferred

General Education Required Courses - 18 units

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		
ENGL&230	Technical Writing	3		
	Human Relations (BUS 110 Preferred)	5		BUS 110 (preferred) or BUS 165 or CMST&210 or CMST&230
	MATH 86 or higher	5		MATH&146 Preferred

Technical Required Courses - 60 units minimum

Course No.	Course Title	Units	Term Completed	Comments
STEM103	Introductory Scripting using Python	3-5		
IT111	Networking 1	5		
IT112	Networking 2	5		
IT113	Networking 3	5		
IT161	Computing Hardware/Tech	5		
IT162	Computing & Troubleshoot	5		
IT175	Assessing and Securing Industrial Control Systems	5		
IT180	Information Security	5		
IT202	Server Administration	5		
IT210	Network Application Supp	5		
IT240	Linux Systems Administat	5		
IT251	Computer Careers Intern	2		
IT261	Cloud Fundamentals	5		

Technical Electives - 10 units total

Course No.	Course Title	Units	Term Completed	Comments
	Technical Electives - 10 units total	5		IT 280 is preferred or IT 203 or CS 110 or IT 103 or IT 105 or IT 107 or IT 109 or CL 101
		5		

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. Though units will appear in this section as completed, they are not counted in the overall earned units for the degree. The course and units earned will appear above and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

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Required Residency Units: 30 minimum

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Mastercam Machining Certificate (DDTMMC01) Active: Sp 2020

MASTERCAM MACHINING Certificate Details

This certificate may be considered a stand-alone credential for people seeking to gain entry within precision machining industries which use Mastercam software as a programming tool or as part of a stackable set of certificates leading to a degree in the EvCC Advanced Manufacturing program.

- A 2.0 GPA is required.

Required Courses

Course No.	Course Title	Units	Term Completed	Comments
ENGT100	Engineering Graphics	4		
ENGT185	Intro to CATIA 3DE	4		
MFGT101 *or* MFGT113	Intro to Machining *or* CNC Cutting Solutions	5		
MFGT107	Machining with Mastercam	4		

Total Units Required: 17

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 6 units minimum

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Mechatronics Systems Certificate (MTCMYC01) Active: Sp 2019

MECHATRONICS SYSTEMS Certificate Details

AMTEC Certificates are Stackable

This certificate may be considered a stand-alone credential for people seeking to enter the manufacturing field, or as part of a stackable set of certificates in the EvCC Advanced Manufacturing degree pathway.

- A minimum of a 2.0 GPA must be maintained.

Course Requirements

Course No.	Course Title	Units	Term Completed	Comments
MECH120	Electrical Components	5		
MECH121	Mechanical Components	5		
MECH122	Elec-Pneumatic Ctrl Circ	5		
MECH123	Digital Fundamentals	4		

Total Units Required: 19

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 6 minimum

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Medical Assistant AAS-T (MLAMAAAS) Active: F 2023

MEDICAL ASSISTANT AAS-T DEGREE

The Medical Assistant Certificate requires completion of 72 or 73 units.

The Medical Assistant Associate in Applied Science - Transfer (AAS-T) requires 25 additional units for a total of 97 or 98 units.

This checklist provides a guide to students who wish to transfer to Center Washington University's Information Technology and Administrative Management (ITAM) program, leading to a Bachelor of Applied Science, or City University of Seattle's Bachelor of Health Administration (BSHA). Students should meet with an advisor and maintain this checklist while at Everett Community College. Instructor permission and/or prerequisites are required for many courses.

Notes: A 2.3 minimum GPA is required for consideration for admission to the ITAM program and a 2.0 minimum GPA is required for admission to City University. CWU and City U accept 105 community college units. Requirements A-G satisfy general education and ITAM/BSHA program requirements despite potentially adding up to over 105 units.

PHASE ONE: BREAKING GROUND ON YOUR PATHWAY

☐ Explore the EvCC Medical Assistant Homepage.

☐ Meet with a faculty advisor.

☐ Complete EvCC Self-Directed English Placement

☐ Grade minimum 2.0 (C or better grade) in each course used to fulfil graduation requirements.

☐ All courses must be taken prior to Clinical Practicum (HLTH 251).

☐ Immunizations – start as soon as possible. They take 8-9 months to complete.

☐ BLS pre-req – take HLTH 109: First Aid and Basic Life Support (AHA CPR) or obtain certificate from community resources (information available at HPSC).

☐ Submit Medical Assisting "Demographic, Criminal History & Technical Standards" e-form.

☐ Criminal history issues – Discuss with faculty advisor.

☐ Advising topics may include number of courses to be taken per quarter, if student will not be taking courses during certain quarters, plans to work towards the University Transfer degree, official Transfer Credit Evaluation process (student initiated) or if a Course Waiver and Substitution process is needed (advisor initiated), and a Diploma Application should be submitted during the pre-Clinicals quarter (student initiated).

PHASE TWO: FOUNDATIONS FOR YOUR PATHWAY - 21 UNITS

Course Number	Course Title	Units	Term Completed	Comments
ENGL&101 *or* ENGL98	English Composition I *or* Intro to College Writing	5		
BUS130 *or* MATH/TS 76 or higher	Quantitative Skills	5		
HLTH100 *and* HLTH102 *or* BIOL&231 *and* BIOL&232	Medical Terminology *and* Applied A & P *or* Human Anatomy *and* Human Physiology	10		
HLTH109	First Aid and Basic Life Supp.	1		

PHASE THREE: FRAMING YOUR PATHWAY - 33 UNITS

Prerequisite and Concurrency Information

- HTLH 130 requires completion of HLTH 102.
- HLTH 135, HLTH 136, and HLTH 150 require completion of ENGL& 101.
- HLTH 135, HLTH 136, HLTH 150, and HLTH 205 can all be taken concurrently with either HLTH 100 or HLTH 102.
- HLTH 210 requires completion of HLTH 130.
- HLTH 231 and HLTH 232 require immunizations before Instructor Permission will be granted.

Course Number	Course Title	Units	Term Completed	Comments
HLTH130 *or* BIOL135 *or* ANTH&206 *and* BIOL&231 *and* BIOL&232	Disease & Pathology *or* Introductory Anat & Phys *or* Cultural Anthropology (D) *and* Human Anatomy *and* Human Physiology	5		HLTH 102 is a prerequisite to HLTH 130
HLTH135	Admin Skills: Office Management	5		Can be taken concurrently with HLTH 100 and/or HLTH 102
HLTH136	Admin Skills: Practice Finance	5		Can be taken concurrently with HLTH 100 and/or HLTH 102
HLTH150	Intercultural Comm in Healthcare (D)	5		Can be taken concurrently with HLTH 100 and/or HLTH 102
HLTH205	Medical Law & Ethics	5		Can be taken concurrently with HLTH 100 and/or HLTH 102
HLTH210	Principles of Pharmacology	5		HLTH 130 is a prerequisite
HLTH231	Clinical Skills – Surgical	4		Immunizations are required before instructor permission will be granted.
HLTH232	Clinical Laboratory Skills	5		Immunizations are required before instructor permission will be granted.

PHASE FOUR: FINISHING YOUR PATHWAY - 19 UNITS

- ***All vaccines are needed prior to Phase Four classes.***

Course Number	Course Title	Units	Term Completed	Comments
HLTH241	Medical Administration	4		
HLTH242	Principles of Phlebotomy	4		
HLTH243	Clinical Skills – Ambulatory	5		
HLTH251	Clinical Externship	6		

ADDITIONAL REQUIREMENTS TO EARN THE MEDICAL ASSISTANT AAS-T

- Additional requirements may be taken at any time.
- For ITAM or BSHA transfer.
- BE SURE TO CONSULT WITH YOUR PROGRAM ADVISOR TO VERIFY UNIT AND COURSE REQUIREMENTS.

Course Number	Course Title	Units	Term Completed	Comments
ENGL&102 *or* ENGL103	Composition II *or* The Critical Paper	5		
MATH&107 *or* MATH&141 *or* MATH&142 *or* MATH&144 *or* MATH&151	Math in Society *or* Precalc I: Coll Algebra *or* Precalculus II: Trig *or* Pre-Calc I & II: Review *or* Calculus I	5		
CS&131 *or* PHIL&120	Computer Science I C++ *or* Symbolic Logic	5		
	Natural Sciences – select 1	5		From BIOL&100, CHEM&121, CHEM&161, GEOL102, NATS107, PHYS&114, PHYS&231, PHYS&241
	Additional Elective Requirement – select 1	5		From ART&100, BUS&101, DRMA&101, ENGL&111, FILM100, HUM&101, MUSC&105, MUSC110, MUSC115, MUSC116

Total Units Required: 110

DIVERSITY COURSE REQUIREMENT

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Required Residency Units: 30 Minimum

NON-DISCRIMINATION STATEMENT

Everett Community College does not discriminate based on, but not limited to, race, color, national origin, citizenship, ethnicity, language, culture, age, sex, gender identity or expression, sexual orientation, pregnancy or parental status, marital status, actual or perceived disability, use of service animal, economic status, military or veteran status, spirituality or religion, or genetic information in its programs, activities, or employment. Contact the following people with inquiries or complaints regarding discrimination, Title IX compliance, or Americans with Disabilities Act compliance: Equal Opportunity Director: EqualOpportunity@everettcc.edu, 425-388-9271; ADA Coordinator: ADAcoordinator@everettcc.edu, 425-388-9232; Title IX Coordinator: TitleIXCoordinator@everettcc.edu, 425-388-9271. All offices are located in Olympus Hall 111, 2000 Tower St. Everett, WA 98201. For more information, visit the Equal Opportunity and Title IX website: EverettCC.edu/EqualOpportunity.

EVERETT COMMUNITY COLLEGE
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Medical Assistant ATA (MLAMAAPT) Active: F 2023

MEDICAL ASSISTANT CERTIFICATE AND ATA DEGREE

The Medical Assistant Certificate requires completion of 78 or 79 units.

The Medical Assistant Associate in Technical Arts (ATA) requires additional electives to total 90 units.

PHASE ONE: BREAKING GROUND ON YOUR PATHWAY

☐ Explore the EvCC Medical Assistant Homepage.

☐ Meet with a faculty advisor.

☐ Complete EvCC Self-Directed English Placement

☐ Grade minimum 2.0 (C or better grade) in each course used to fulfil graduation requirements.

☐ All courses must be taken prior to Clinical Practicum (HLTH 251).

☐ Immunizations – start as soon as possible. They take 8-9 months to complete.

☐ BLS pre-req – take HLTH 109: First Aid and Basic Life Support (AHA CPR) or obtain certificate from community resources (information available at HPSC).

☐ Submit Medical Assisting "Demographic, Criminal History & Technical Standards" e-form.

☐ Criminal history issues – Discuss with faculty advisor.

☐ Advising topics may include number of courses to be taken per quarter, if student will not be taking courses during certain quarters, plans to work towards the University Transfer degree, official Transfer Credit Evaluation process (student initiated) or if a Course Waiver and Substitution process is needed (advisor initiated), and a Diploma Application should be submitted during the pre-Clinicals quarter (student initiated).

PHASE TWO: FOUNDATIONS FOR YOUR PATHWAY - 21 UNITS

Course Number	Course Title	Units	Term Completed	Comments
ENGL&101 *or* ENGL98	English Composition I *or* Intro to College Writing	5		
BUS130 *or* MATH/TS 76 or higher	Quantitative Skills	5		
HLTH100 *and* HLTH102 *or* BIOL&231 *and* BIOL&232	Medical Terminology *and* Applied A & P *or* Human Anatomy *and* Human Physiology	10		
HLTH109	First Aid and Basic Life Supp.	1		

PHASE THREE: FRAMING YOUR PATHWAY - 39 UNITS

Prerequisite and Concurrency Information

- HTLH 130 requires completion of HLTH 102.
- HLTH 135, HLTH 136, and HLTH 150 require completion of ENGL& 101.

- HLTH 135, HLTH 136, HLTH 150, and HLTH 205 can all be taken concurrently with either HLTH 100 or HLTH 102.
- HLTH 210 requires completion of HLTH 130.
- HLTH 231 and HLTH 232 require immunizations before Instructor Permission will be granted.

Course Number	Course Title	Units	Term Completed	Comments
HLTH130 *or* BIOL135 *or* ANTH&206 *and* BIOL&231 *and* BIOL&232	Disease & Pathology *or* Introductory Anat & Phys *or* Cultural Anthropology (D) *and* Human Anatomy *and* Human Physiology	5		HLTH 102 is a prerequisite to HLTH 130
HLTH135	Admin Skills: Office Management	5		Can be taken concurrently with HLTH 100 and/or HLTH 102
HLTH136	Admin Skills: Practice Finance	5		Can be taken concurrently with HLTH 100 and/or HLTH 102
HLTH150	Intercultural Comm in Healthcare (D)	5		Can be taken concurrently with HLTH 100 and/or HLTH 102
HLTH205	Medical Law & Ethics	5		Can be taken concurrently with HLTH 100 and/or HLTH 102
HLTH210	Principles of Pharmacology	5		HLTH 130 is a prerequisite
HLTH231	Clinical Skills – Surgical	4		Immunizations are required before instructor permission will be granted.
HLTH232	Clinical Laboratory Skills	5		Immunizations are required before instructor permission will be granted.

PHASE FOUR: FINISHING YOUR PATHWAY - 19 UNITS

- ***All vaccines are needed prior to Phase Four classes.***

Course Number	Course Title	Units	Term Completed	Comments
HLTH241	Medical Administration	4		
HLTH242	Principles of Phlebotomy	4		
HLTH243	Clinical Skills – Ambulatory	5		
HLTH251	Clinical Externship	6		

GENERAL ELECTIVES REQUIRED TO EARN THE MEDICAL ASSISTANT ATA

General Electives can be taken at any time.

Course Number	Course Title	Units	Term Completed	Comments
	Electives – Select 11 units	11		

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. No units will appear in this section as

completed. The course and units earned will appear below and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

Everett Community College does not discriminate based on, but not limited to, race, color, national origin, citizenship, ethnicity, language, culture, age, sex, gender identity or expression, sexual orientation, pregnancy or parental status, marital status, actual or perceived disability, use of service animal, economic status, military or veteran status, spirituality or religion, or genetic information in its programs, activities, or employment. Contact the following people with inquiries or complaints regarding discrimination, Title IX compliance, or Americans with Disabilities Act compliance: Equal Opportunity Director: EqualOpportunity@everettcc.edu, 425-388-9271; ADA Coordinator: ADAcoordinator@everettcc.edu, 425-388-9232; Title IX Coordinator: TitleIXCoordinator@everettcc.edu, 425-388-9271. All offices are located in Olympus Hall 111, 2000 Tower St. Everett, WA 98201. For more information, visit the Equal Opportunity and Title IX website: EverettCC.edu/EqualOpportunity.

EVERETT COMMUNITY COLLEGE
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Medical Assistant Certificate (MLAMAC45) Active: F 2023

MEDICAL ASSISTANT CERTIFICATE

The Medical Assistant Certificate requires completion of 78 or 79 units.

The Medical Assistant Associate in Technical Arts (ATA) requires additional electives to total 90 units.

The Medical Assistant Associate of Applied Science - Transfer (AAS-T) requires additional courses to total 110 units.

PHASE ONE: BREAKING GROUND ON YOUR PATHWAY

☐ Explore the EvCC Medical Assistant Homepage.

☐ Meet with a faculty advisor.

☐ Complete EvCC Self-Directed English Placement

☐ Grade minimum 2.0 (C or better grade) in each course used to fulfil graduation requirements.

☐ All courses must be taken prior to Clinical Practicum (HLTH 251).

☐ Immunizations – start as soon as possible. They take 8-9 months to complete.

☐ BLS pre-req – take HLTH 109: First Aid and Basic Life Support (AHA CPR) or obtain certificate from community resources (information available at HPSC).

☐ Submit Medical Assisting "Demographic, Criminal History & Technical Standards" e-form.

☐ Criminal history issues – Discuss with faculty advisor.

☐ Advising topics may include number of courses to be taken per quarter, if student will not be taking courses during certain quarters, plans to work towards the University Transfer degree, official Transfer Credit Evaluation process (student initiated) or if a Course Waiver and Substitution process is needed (advisor initiated), and a Diploma Application should be submitted during the pre-Clinicals quarter (student initiated).

PHASE TWO: FOUNDATIONS FOR YOUR PATHWAY - 21 UNITS

Course Number	Course Title	Units	Term Completed	Comments
ENGL&101 *or* ENGL98	English Composition I *or* Intro to College Writing	5		
BUS130 *or* MATH/TS 76 or higher	Quantitative Skills	5		
HLTH100 *and* HLTH102 *or* BIOL&231 *and* BIOL&232	Medical Terminology *and* Applied A & P *or* Human Anatomy *and* Human Physiology	10		
HLTH109	First Aid and Basic Life Supp.	1		

PHASE THREE: FRAMING YOUR PATHWAY - 39 UNITS

Prerequisite and Concurrency Information

- HTLH 130 requires completion of HLTH 102.
- HLTH 135, HLTH 136, and HLTH 150 require completion of ENGL& 101.
- HLTH 135, HLTH 136, HLTH 150, and HLTH 205 can all be taken concurrently with either HLTH 100 or HLTH 102.
- HLTH 210 requires completion of HLTH 130.
- HLTH 231 and HLTH 232 require immunizations before Instructor Permission will be granted.

Course Number	Course Title	Units	Term Completed	Comments
HLTH130 *or* BIOL135 *or* ANTH&206 *and* BIOL&231 *and* BIOL&232	Disease & Pathology *or* Introductory Anat & Phys *or* Cultural Anthropology (D) *and* Human Anatomy *and* Human Physiology	5		HLTH 102 is a prerequisite to HLTH 130
HLTH135	Admin Skills: Office Management	5		Can be taken concurrently with HLTH 100 and/or HLTH 102
HLTH136	Admin Skills: Practice Finance	5		Can be taken concurrently with HLTH 100 and/or HLTH 102
HLTH150	Intercultural Comm in Healthcare (D)	5		Can be taken concurrently with HLTH 100 and/or HLTH 102
HLTH205	Medical Law & Ethics	5		Can be taken concurrently with HLTH 100 and/or HLTH 102
HLTH210	Principles of Pharmacology	5		HLTH 130 is a prerequisite
HLTH231	Clinical Skills – Surgical	4		Immunizations are required before instructor permission will be granted.
HLTH232	Clinical Laboratory Skills	5		Immunizations are required before instructor permission will be granted.

PHASE FOUR: FINISHING YOUR PATHWAY - 19 UNITS

After completion of Phase Four, you will have earned the Medical Assistant Certificate.

- *All vaccines are needed prior to Phase Four classes.*

Course Number	Course Title	Units	Term Completed	Comments
HLTH241	Medical Administration	4		
HLTH242	Principles of Phlebotomy	4		
HLTH243	Clinical Skills – Ambulatory	5		
HLTH251	Clinical Externship	6		

Total Units Required: 79 Minimum

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 26 Minimum

NON-DISCRIMINATION STATEMENT

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EVERETT COMMUNITY COLLEGE
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Medical Billing Specialist Certificate (MICMSC20) Active: Sp 2023

Students may take either the Medical Coding or the Medical Billing Specialist Certificate programs as stand-alone programs, or they may take them as part of their ATA in Medical Billing and Coding. Several classes overlap between the two programs, so it is important to note that some classes are offered as self-support and some as state support. For out-of-state students, the state support classes are subject to out-of-state tuition, so you may want to discuss this with Financial Aid or other funding source.

Students must earn a C or higher in all required courses; a class earning a C- or lower would need to be repeated.

REQUIRED PREREQUISITE

- Completion of CL 101 (or waiver by instructor permission) prior to BT 182.

Course Number	Course Title	Units	Term Completed	Comments
CL101	Computer Literacy	5		

LEVEL I: GENERAL FOUNDATION COURSES (No Prerequisites)

Course Number	Course Title	Units	Term Completed	Comments
MC103	Intro to Adminmed Office	3		
MC120	Healthcare Vocabulary	5		
MC137	Structure/Function Body	5		

LEVEL II: GENERAL FOUNDATION COURSES (With Prerequisite)

Course Number	Course Title	Units	Term Completed	Comments
MC 143	Diversity in Law and Ethics	5		MC137 must be taken before MC143.

LEVEL IIIa: MBS CORE COURSES (No Prerequisites)

Course Number	Course Title	Units	Term Completed	Comments
BT180	Principles of Med Insur	5		
BT 181 (D)	Law/Ethics Health Occupa	5		

LEVEL IIIb: MBS CORE COURSE (With Prerequisite)

Course Number	Course Title	Units	Term Completed	Comments
BT182	Medical Front Office	5		CL101 must be taken before BT182.

LEVEL IV: INTRODUCTORY CODING CLASSES (With Prerequisites)

Course Number	Course Title	Units	Term Completed	Comments
MC147	Diag Coding w/ICD-10-CM	5		MC 103 must be taken before MC147. MC143 must be taken before or concurrently with MC147.
MC151	Procedural Coding	5		MC103 and MC137 must be taken before MC151

Total Minimum Units Required: 43

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 14 Minimum

NON-DISCRIMINATION STATEMENT

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EVERETT COMMUNITY COLLEGE
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AHIMA PCAP APPROVED
Professional Certificate Approval Program

Medical Coding and Billing ATA (MICMCAPT) Active: Sp 2023

Students may take either the Medical Coding or the Medical Billing Specialist Certificate programs as stand-alone programs, or they may take them as part of their ATA in Medical Billing and Coding. Several classes overlap between the two programs, so it is important to note that some classes are offered as self-support and some as state support. For out-of-state students, the state support classes are subject to out-of-state tuition, so you may want to discuss this with Financial Aid or other funding source.

Students must earn a C or higher in all required courses; a class earning a C- or lower would need to be repeated.

LEVEL I: ACADEMIC CORE COURSES (Can Be Taken Any Time)

Course Number	Course Title	Units	Term Completed	Comments
BUS110 (D)	Business Communications	5		
BUS 130	Business Computations	5		
ENGL98 *or* ENGL&101	College Writing *or* English Composition	5		

LEVEL IIa: MC FOUNDATION COURSES (No Prerequisites)

Course Number	Course Title	Units	Term Completed	Comments
MC103	Intro to Adminmed Office	3		
MC118	Health Info and Delivery	5		
MC120	Healthcare Vocabulary	5		
MC137	Structure/Function Body	5		

LEVEL IIb: MC FOUNDATION COURSES (With Prerequisites)

Course Number	Course Title	Units	Term Completed	Comments
MC143	Pathopharmacology	5		MC137 must be taken before MC 143.
MC218	Reimbursement & Legal Comp.	5		MC118, MC147, and MC151 must be taken before MC218.

LEVEL IIIa: MBS CORE COURSES (No Prerequisites)

Course Number	Course Title	Units	Term Completed	Comments
HCM180	Principles of Med Insur	5		
HCM181 (D)	Law/Ethics Health Occupa	5		

LEVEL IIIb: MBS CORE COURSE (With Prerequisite)

Course Number	Course Title	Units	Term Completed	Comments
HCM182	Medical Front Office	5		CL101 must be taken before HCM182

LEVEL IV: INTRODUCTORY CODING COURSES (With Prerequisites)

Course Number	Course Title	Units	Term Completed	Comments
MC147	Intro to Diognosis Code	5		MC143 can be taken before or concurrently with MC147.
MC151	Procedural Coding	5		MC103 and MC137 must be taken before MC151.

LEVEL V: ADVANCED CODING COURSES

- Level V courses should be taken the quarter before the Practicum.

Course Number	Course Title	Units	Term Completed	Comments
MC247	Advn Diagnosis Coding	4		MC147 must be taken before MC247.
MC251	Advn Procedural Coding	4		MC151 must be taken before MC251.

LEVEL VI: MEDICAL CODING PRACTICUM

- Level VI requires completion of all other MC courses.

Course Number	Course Title	Units	Term Completed	Comments
MC280	Prof Practice Exp	5		

PROGRAM ELECTIVES (May Be Taken At Any Time)

- CL101 is included in the Elective list and is required before HCM182 and is a potential prerequisite for other electives. This prerequisite requirement may be waived with instructor permission.

Course Number	Course Title	Units	Term Completed	Comments
	Electives, 9 units			From Courses: HCM187, BT162, BT219, BT242, CL01, CL103, CL104, CL105

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. Though units will appear in this section as completed, they are not counted in the overall earned units for the degree. The course and units earned will appear above and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 Minimum

NON-DISCRIMINATION STATEMENT

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EVERETT COMMUNITY COLLEGE
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AHIMA PCAP APPROVED Professional Certificate Approval Program

Medical Coding Certificate (MICMCC20) Active: Sp 2022

Students may take either the Medical Coding or the Medical Billing Specialist Certificate programs as stand-alone programs, or they may take them as part of their ATA in Medical Billing and Coding. Several classes overlap between the two programs, so it is important to note that some classes are offered as self-support and some as state support. For out-of-state students, the state support classes are subject to out-of-state tuition, so you may want to discuss this with Financial Aid or other funding source.

Students must earn a C or higher in all required courses; a class earning a C- or lower would need to be repeated.

LEVEL I: ACADEMIC CORE COURSES (Can Be Taken At Any Time)

Course Number	Course Title	Units	Term Completed	Comments
BUS110 (D)	Business Communications	5		
BUS 130	Business Computations	5		
ENGL98 *or* ENGL&101	College Writing *or* English Composition	5		

LEVEL IIa: MC FOUNDATION COURSES (No Prerequisites)

Course Number	Course Title	Units	Term Completed	Comments
MC103	Intro to Adminmed Office	3		
MC118	Health Info and Delivery	5		
MC120	Healthcare Vocabulary	5		
MC137	Structure/Function Body	5		

LEVEL IIb: MC FOUNDATION COURSES (With Prerequisites)

Course Number	Course Title	Units	Term Completed	Comments
MC143	Pathopharmacology	5		MC137 must be taken before MC 143.
MC218	Healthcare Reimb/Compl	5		MC118, MC147, and MC151 must be taken before MC218.

LEVEL III: FOUNDATION CODING COURSES (With Prerequisites)

Course Number	Course Title	Units	Term Completed	Comments
MC147	Intro to Diognosis Code	5		MC143 can be taken before or concurrently with MC147.
MC151	Procedural Coding	5		MC103 and MC137 must be taken before MC151.

LEVEL IV: ADVANCED CODING COURSES (With Prerequisites)

Course Number	Course Title	Units	Term Completed	Comments
MC247	Advn Diagnosis Coding	4		MC147 must be taken before MC247.
MC251	Advn Procedural Coding	4		MC151 must be taken before MC251.

LEVEL V: MEDICAL CODING PRACTICUM (With Prerequisites)

Course Number	Course Title	Units	Term Completed	Comments
MC280	Prof Practice Exp	5		All other Medical Coding (MC) classes must be taken before MC280.

Total Units Required: 66

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the credits must be earned at Everett Community College and apply towards the certificate being awarded. These credits must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 22 Minimum

NON-DISCRIMINATION STATEMENT

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EVERETT COMMUNITY COLLEGE
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Medical Front Office Certificate (MEPMRC20), Active F 2023

Notes for the Medical Front Office Certificate

This certificate is included in both the MEDICAL OFFICE ADMINISTRATION (MOMMAC45) certificate and the BUSINESS TECHNOLOGY ATA (AASBTAPT) degree.

- With completion of this certificate, you will earn 43 units out of the 78 required for the Medical Office Administration certificate, and 43 out of 90 required for the Business Technology ATA degree.

Students must earn a C grade (2.0) or better in all courses.

Course Requirements

Course No.	Course Title	Units	Term Completed	Comments
CL101	Computer Literacy	5		
BT105	Keyboard-Speed/Accuracy	3		
BUS104	Business English	5		
BUS165	Serv.Essentials Business	5		
MC120	Healthcare Vocabulary	5		
HCM180	Principles of Med Insur	5		
HCM181	Diversity in Law & Ethics (D)	5		
HCM182	Medical Receptionist	5		
HCM187	Electronic Health Records	5		

Total Units Required: 43

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 14 minimum

NON-DISCRIMINATION STATEMENT

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EVERETT COMMUNITY COLLEGE
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Medical Office Administration Certificate (MOMMAC45) Active: F 2023

Notes for the Medical Office Administration Certificate

This certificate is included in the BUSINESS TECHNOLOGY ATA (AASBTAPT) degree.

- With completion of this certificate, you will earn 78 units out of the 90 required for the Business Technology ATA degree.
- You will also have completed the requirements for the Medical Front Office certificate.

Students must earn a C grade (2.0) or better in all courses.

Medical Front Office Certificate Requirements – 43 units

Course No.	Course Title	Units	Term Completed	Comments
CL101	Computer Literacy	5		
BT105	Keyboard-Speed/Accuracy	3		
BUS104	Business English	5		
BUS165	Service Essentials for Business	5		
MC120	Healthcare Vocabulary	5		
HCM180	Principles of Medical Insurance	5		
HCM181	Diversity in Law/Ethics (D)	5		
HCM182	Medical Receptionist	5		
HCM187	Electronic Health Records	5		

Medical Office Administration Additional Requirements – 35 units

Course No.	Course Title	Units	Term Completed	Comments
ENGL98 *or* ENGL&101	Introduction to College Writing *or* English Composition	5		
BUS110	Business Communications (D)	5		
BUS130	Business Computations	5		
HCM128	Medical Coding for Non-Coders	5		
BT219	Word	5		
BT242	Excel	5		
CL110	Managing Internet Communication	5		

Total Units Required: 78

With an additional 12 units, the BUSINESS TECHNOLOGY ATA (AASBTAPT) can be earned.

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 26 minimum

NON-DISCRIMINATION STATEMENT

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EVERETT COMMUNITY COLLEGE
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Medical Spanish Interpreter Certificate (FLLMSC01)

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
HLTH100	Medical Terminology	5		
HLTH160	Medical Interpreting-Spn	5		

Total Units Required: 10

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 3 minimum

NON-DISCRIMINATION STATEMENT

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Music Concentration - AAS-1 (LASMUAA)

COLLEGE SUCCESS - 2 UNITS TOTAL

COLLEGE 101 or STEM 101 is mandatory for all new degree-seeking students. The class may be waived due to previous college coursework, or the specific course of study. Students in the following programs are exempt from this requirement: Advanced Manufacturing Technology, Aviation, Basic Skills, Certified Nursing Assistant, Cosmetology, EMT, Fire Science, Medical Assisting, Medical Coding, and Running Start.

Course No.	Course Title	Units	Term Completed	Comments
COLL101	College Success *or*	2		
STEM101	College Success in STEM	2		

COMMUNICATION AND QUANTITATIVE SKILLS - 15 UNITS TOTAL

Course No.	Course Title	Units	Term Completed	Comments
	Communications – 5 units required	5		
	Quantitative – 5 units required	5		
	Communications or Quantitative – 5 units required	5		

GENERAL EDUCATION REQUIREMENTS - 15 UNITS TOTAL

15 units from the DTA approved Humanities, Social Sciences and Natural Sciences List.

Course No.	Course Title	Units	Term Completed	Comments
	Humanities – 5 units required	5		
	Natural Science Lab – 5 units required	5		
	Social Science – 5 units required	5		

REQUIRED COURSES - 51 UNITS TOTAL

Course No.	Course Title	Units	Term Completed	Comments
MUSC&141	Music Theory I	5		
MUSC&105	Music Appreciation	5		
MUSC117	Class Piano-Elementary	2		
MUSC118	Class Piano-Intermediate	2		
	Private Instruction - 12 units total. See a Music advisor for permission to enroll.			For Private Instruction, see a Music advisor for permission to enroll.

Course No.	Course Title	Units	Term Completed	Comments
	Music Theory - 25 units total.			Intermediate Music Theory courses are not available at EvCC, but may be transferred in from another college.

ELECTIVES - 7 UNITS TOTAL

Course No.	Course Title	Units	Term Completed	Comments
	Music Electives - complete 7 additional units			From MUSC 110, MUSC 115, MUSC 116, MUSC 124, MUSC 125, or MUSC 217

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. No units will appear in this section as completed. The course and units earned will appear below and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

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NC Programming Mastercam and Vericut Certificate (DDTMVC01)
Active: Sp 2020

TECHNICAL DESIGN - NC PROGRAMMING MASTERCAM AND VERICUT Details

Technical Design certificates are stackable.

This checklist is targeted at students with an interest in entry level Numerical Control programming.

Students must have successfully completed the **Numerical Control Programming Foundation Certificate** or have industry experience with instructor permission.

This certificate may be considered a stand-alone credential for people seeking to gain entry within precision machining industries, which uses multiple CAD systems as a programming tool or as part of a stackable set of certificates leading to a degree in the EvCC Advanced Manufacturing program.

- All courses must be completed with a grade of C or better.
- EvCC does not offer every course each quarter, so please consult a class schedule and an advisor to plan course selections

Required Courses

Course No.	Course Title	Units	Term Completed	Comments
MFGT113	CNC Cutting Solutions	5		
ENGT193	Intermed CAD w/ CATIA 3D	4		
MFGT107	Machining with Mastercam	4		
MFGT108	NC Program with Vericut	4		

Total Units Required: 17

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 6 minimum

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Network Administrator Certificate (SYANAC20) Active F 2023

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
IT112	Networking 2	5		
IT113	Networking 3	5		
IT213	Networking 4	5		

Total Units Required: 15

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 5 minimum

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Numerical Control Programming CATIA Certificate (DDTMVC01)
Active: Sp 2020

TECHNICAL DESIGN - NUMERICAL CONTROL CATIA 3D EXPERIENCE Details

Technical Design certificates are stackable.

This checklist is targeted at students with an interest in entry level programming.

Students must have successfully completed the NC Programming Mastercam & Vericut Certificate or have industry experience with instructor permission.

This certificate may be considered a stand-alone credential for people seeking to gain entry within precision machining industries, which uses multiple CAD systems as a programming tool or as part of a stackable set of certificates leading to a degree in the EvCC Advanced Manufacturing program.

- All courses must be completed with a grade of C or better.

Required Courses

Course No.	Course Title	Units	Term Completed	Comments
ENGT195	Adv Surf w/ CATIA 3DE	4		
ENGT196	Adv Workbenches w/CATIA	4		
MFGT109	NC Program with CATIA	4		

Total Units Required: 12

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 4 minimum

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Numerical Control Programming Foundation Certificate (DDTNFC01)
Active: Sp 2020

Technical Design - NUMERICAL CONTROL PROGRAMMING FOUNDATION

Technical Design certificates are stackable.

This checklist is targeted at students with an interest in entry level Numerical Control programming.

Students must have successfully completed MFG T 101, Introduction to Machining, or have industry experience with instructor permission.

This certificate may be considered a stand-alone credential for people seeking to gain entry within precision machining industries, which uses multiple CAD systems as a programming tool or as part of a stackable set of certificates leading to a degree in the EvCC Advanced Manufacturing program.

- All courses must be completed with a grade of C or better.

Required Courses

Course No.	Course Title	Units	Term Completed	Comments
ENGT100	Engineering Graphics	4		
ENGT185	Intro to CATIA 3DE	4		
MECH119	Introduction to Robotics	5		

Total Units Required: 13

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 4 minimum

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NURSING AAS-DTA/MRP (RENDTAA) Active: Sp 2022

Everett Community College awards the Associate in Arts and Sciences Direct Transfer Agreement Degree (AAS-DTA). This plan is for those who are intending to transfer to a College or University as a Nursing Major.

The outlined plan is to best prepare you for your graduation from EvCC to continue your work towards your Bachelor's degree in Nursing when you transfer. By following this plan you will have earned your AAS-DTA here and completed many of the foundational courses at EvCC that will be required at the transfer institution(s).

These courses are required for the Nursing AAS-DTA/MRP. There are other courses that can be completed at EvCC that will earn a non-specific AAS-DTA degree. To know where all of your completed courses align to the basic AAS-DTA degree, you should also keep an updated Associate in Arts and Sciences Direct Transfer Agreement Degree plan, as well as work closely with your Academic Advisor.

BASIC COMMUNICATION SKILLS - 10 UNITS TOTAL

Select courses from the DTA approved Communication Skills course list. At least 5 units must be earned in English Composition. Minimum grade of a 2.0 is required.

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		
ANTH&206	Cultural Anthropology	5		ANTH& 206 must be taken at Everett Community College to apply to this degree.

BASIC QUANTITATIVE SKILLS - 5 UNITS TOTAL

Select courses from the DTA approved Quantitative Skills course list. The institution(s) you are looking to transfer to may require different Quantitative Skills courses. Be sure to verify the requirements of the transfer institution(s). Minimum grade of a 2.0 is required.

Course No.	Course Title	Units	Term Completed	Comments
MATH&146	Intro to Statistics	5		

HUMANITIES - 10 UNITS TOTAL

5 additional Humanities units are embedded in the CORE curriculum below. Minimum grade of a 2.0 is required.

Course No.	Course Title	Units	Term Completed	Comments
CMST&210	Interpersonal Comm	5		
PHIL&101 *or* PHIL&115 *or* PHIL110 *or* PHIL215 *or* PHIL267	Intro to Philosophy *or* Critical Thinking *or* Social Ethics *or* Ethics *or* Philosophy of Religion	5		

SOCIAL SCIENCES - 10 UNITS TOTAL

5 additional Social Science units are embedded in the CORE curriculum below. Minimum grade of a 2.0 is required.

Course No.	Course Title	Units	Term Completed	Comments
PSYC&100	General Psychology	5		
PSYC&200	Lifespan Psychology	5		

Natural Science - 25 Units with an Overall 3.0 GPA required

5 additional Natural Science units are embedded in the CORE curriculum below.

Course No.	Course Title	Units	Term Completed	Comments
BIOL&211	Majors Cellular	5		
BIOL&231	Human Anatomy	5		
BIOL&232	Human Physiology	5		
BIOL&260	Microbiology	5		
CHEM&121	Intro to Chemistry	5		

Nursing Program Application Must Be Completed

Course No.	Course Title	Units	Term Completed	Comments
	Nursing Pre-Application	0		

Nursing CORE Curriculum - Quarter 1

Course No.	Course Title	Units	Term Completed	Comments
NURS110	Nursing Therapeutics I	10		
PHIL114	NURS 114/PHIL 114 - Ethics & Policy I	2		

Nursing CORE Curriculum - Quarter 2

Course No.	Course Title	Units	Term Completed	Comments
NURS120	Nursing Therapeutics II	10		
NUTR126	NURS 126/NUTR126 - Nutrition/Healthcare I	2		
PSYC125	NURS 125/PSYC 125 - Psychosocial Issues I	2		

Nursing CORE Curriculum - Quarter 3

Course No.	Course Title	Units	Term Completed	Comments
NURS130	Nursing Therapeutics III	10		
NUTR136	NURS 136/NUTR 136 - Nutrition/Healthcare II	2		

Nursing CORE Curriculum - Quarter 4

Course No.	Course Title	Units	Term Completed	Comments
NURS210	Nursing Therapeutics IV	10		
NUTR216	NURS 216/NUTR 216 - Nutrition/Healthcare III	1		
PHIL214	NURS 214/PHIL 214 - Ethics and Policy II	1		
PSYC215	Psychosocial Issues in Healthcare II	1		

Nursing CORE Curriculum - Quarter 5

Course No.	Course Title	Units	Term Completed	Comments
NURS220	Nursing Therapeutics V	10		
NUTR226	NURS 226/NUTR 226 - Nutrition/Healthcare IV	1		
PSYC225	NURS 225/PSYC 225 - Psychosocial Issues II	1		

Nursing CORE Curriculum - Quarter 6

Course No.	Course Title	Units	Term Completed	Comments
NURS230	Nurs/Thera VI-Transition	10		
PHIL234	NURS 234/PHIL 234 - Ethics and Policy III	2		
PSYC235	NURS 235/PSYC 235 - Psychosocial Issues III	1		

Total Units Required 135

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of C or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. No units will appear in this section as completed. The course and units earned will appear below and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 45 minimum

NON-DISCRIMINATION STATEMENT

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Oceanography AS (LRST1A-OCEA)

Notes for the Associate of Science in Oceanography

- This checklist is targeted at transfer students with an interest in Oceanography, and is designed to meet most or all of the minimum prerequisites of an Oceanography program at a 4-year college or university. This degree may not necessarily include completion of other degree requirements, such as additional courses in humanities and social sciences.
- This program of study assumes the student has college level English and math skills. All new students are required to take EvCC placement tests. All science courses require completion of ENGL 98 or placement into ENGL& 101. Chemistry courses require completion of MATH 96 or equivalent placement, as well as completion of CHEM& 140 or a high school chemistry course. Some science classes are offered only in certain quarters of the year; please consult with an advisor to determine when classes are available. Students who initially place in a high level math course do not need to take math courses below that level. The Associate of Science degree requires the completion of at least 15 credits in Math, including completion of MATH& 153 or 254 or 146.

Minimum of 90 credits is required for the degree with a minimum 2.0 GPA.

- Completion of listed and recommended courses will result in more than 90 credits being earned for the degree. The advantage is that the completion of these courses will enable you to progress more efficiently in your major at a university. Alternatively, some of the more advanced courses may be done at the university instead. Please consult with an advisor to decide the best option for you.

Prerequisites for Required Classes

There are courses students will need to have completed (or have equivalent placement to) before they are able to enroll in required classes.

- Prior to Math& 151, completion of MATH& 141 and MATH& 142 (or MATH& 144) or equivalent placement is required.
- Prior to CHEM& 162, CHEM& 140 or other placement is required.
- Prior to PHYS& 241, PHYS& 114 is required.
- Prior to PHYS& 243, MATH& 163 is required.

College Success - 2 units

Course No.	Course Title	Units	Term Completed	Comments
COLL101 *or* STEM101	College Success *or* College Success in STEM	2		STEM 101 is recommended.

Basic Communication Skills - 10 units total

Select courses from the DTA approved Communication Skills course list. At least 5 units must be earned in English Composition.

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		
ENGL&102	English Composition II	5		

Basic Quantitative Skills - 15 units total

Select courses from the DTA approved Quantitative Skills course list. The institution(s) you are looking to transfer to may require different Quantitative Skills courses. Be sure to verify the requirements of the transfer institution(s).

- PHYS&243 requires completion of MATH&163. Any missing Math credits can be taken from MATH&264 or MATH&146.

Course No.	Course Title	Units	Term Completed	Comments
	15 credits selected from MATH& 151, 152, 163, 264, or 146	5		Must include at least one of MATH& 163, 264, 146
		5		
		5		

Humanities and Social Science Courses - 15 units total

Course No.	Course Title	Units	Term Completed	Comments
	Humanities	5		
	Social Science	5		
	Humanities/Social Science	5		

Natural Science - 48 units total

Course No.	Course Title	Units	Term Completed	Comments
OCEA&101	Intro to Oceanography	5		
GEOL102	Intro to Geol Science I	5		
GEOL104	Intro to Geol Science II	5		
CHEM&161	General Chem w/Lab I	5.50		
CHEM&162	General Chem w/Lab II	5.50		
CHEM&163	General Chem w/lab III	5.50		
PHYS&241	Engineering Physics I	4		Note that you must take PHYS& 231 with PHYS& 241
PHYS&231	Engineering Phys I Lab	1.50		
PHYS&242	Engineering Physics II	4		Note that you must take PHYS& 232 with PHYS& 242
PHYS&232	Engineering Phys II Lab	1.50		
PHYS&243	Engineering Physics III	4		Note that you must take PHYS& 233 with PHYS& 243
PHYS&233	Engineering Phys III Lab	1.50		

Electives – 15 units recommended

Course No.	Course Title	Units	Term Completed	Comments
	Advisor approval is required.			BIOL& 211 and a World Language are recommended.

Total Units Required: 90 minimum

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. No units will appear in this section as completed. The course and units earned will appear below and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

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Phlebotomy Certificate (PHLPHC01) Active: W 2022

Checklist Items

☐ Transcript Evaluation (if applicable)

☐ Declared Program Code of 382

☐ National Background Check completed

☐ Complio immunization account created and compliant in all categories

☐ Eligibility for English 101

☐ AHA/BLS CPR Card

Course Requirements - Complete the following with a C or higher

Course No.	Course Title	Units	Term Completed	Comments
HLTH100	Medical Terminology	5		
HLTH102	Applied A & P	5		
HLTH220	Phlebotomy Tech Training	5		
HLTH221	Phlebotomy Tech Pract	4		

Total Units Required: 19

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 6 minimum

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Photography AFA (LATPHAA) Active: F 2023

Designed for students aiming towards their professional career in the photographic arts, the concentrated AFA program of study dives deep into photography while also rounding out the experience with courses in the related disciplines of Graphics and Web Design and Studio Arts. Students graduate with a strong portfolio as well as gallery exhibition experience. Graduates and their portfolios are ready for the consideration of employers, clients, and or transfer universities.

Note: The Evergreen State College accepts the AFA degree as a block of 90 transfer units

COLLEGE SUCCESS COURSE - 2 units total

COLLEGE 101 or STEM 101 is mandatory for all new degree-seeking students. The class may be waived due to previous college coursework, or the specific course of study. Students in the following programs are exempt from this requirement: Advanced Manufacturing Technology, Aviation, Basic Skills, Certified Nursing Assistant, Cosmetology, EMT, Fire Science, Medical Assisting, Medical Coding, and Running Start.

Course No.	Course Title	Units	Term Completed	Comments
STEM101 or COLL101	College Success in STEM or College Success	2		

GENERAL EDUCATION REQUIREMENTS - 30 units total

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		ENGL&101 (D) Recommended
	Communication Skills - complete 5 additional units	5		ENGL 105, ENGL 106, BUS 110, or CMST 204 are recommended.
	Basic Quantitative - Complete 5 units	5		MATH& 107, PHIL& 120, or BUS 130 are suggested. Note that BUS 130 is not intended for transfer.
	Natural Science - Complete 5 units	5		Any Astronomy, Atmospheric Science, Enironmental Studies, or Physics as appropriate to individual interests are recommended.
PHOTO230	History of Photography	5		
	Social Sciences – Complete 5 units	5		Select one from CMST&102, PHIL&115, PHIL110, POLS210, SOC248

EMPHASIS SKILLS - 48 units total

Course No.	Course Title	Units	Term Completed	Comments
PHOTO110	Intro to Digital Photo	5		

Course No.	Course Title	Units	Term Completed	Comments
PHOTO111	Black and White Digital Photography	5		
PHOTO210	Color Theory: Concept and Practice	5		
PHOTO211	Advanced Processes for Digital Photography	5		
PHOTO195	Foundation Portfolio Rev	3		
PHOTO243	Studio Light Photo Video	5		
PHOTO244	Studio Lighting for Portraiture	5		
	PHOTO 112 or BUS 150 (Career Options)	5		
PHOTO212	Visual Thesis Project	5		
	PHOTO295 or ART295	5		

INTERDISCIPLINARY COURSES - 10 units total

Course No.	Course Title	Units	Term Completed	Comments
ART110	Visual Foundation/Design	5		
GRAPH110	Digital Design Tools and Visual Communication	5		

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. No units will appear in this section as completed. The course and units earned will appear below and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

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Advanced Manufacturing Technology: Precision Machining ATA (MTCAPAPT) Active: Sp 2023

Precision Machining ATA Details

The courses required for an Associate in Technical Arts Degree in Advanced Manufacturing Tech – Precision Machining are listed below.

This degree requires 93 units.

Note that to earn this degree, a cumulative GPA of 2.0 or higher must be maintained.

Interested in transferring to a university? Students completing this ATA degree can transfer directly to the Information Technology and Administrative Management (ITAM) program at Central Washington University or to the Manufacturing Operations program at Clover Park Technical College to pursue a Bachelor of Applied Science (BAS) degree. Go to www.cwu.edu/it-management/bas-itam-degree-overview or www.cptc.edu/programs/basmo for more information.

Related Instruction – 15 units

Course No.	Course Title	Units	Term Completed	Comments
	Select one: ENGT 101 or MATH 86 or higher	5		
ENGL&101 *or* ENGL98	English Composition I *or* Intro to College Writing	5		
BUS110 *or* BUS165 *or* CMST&210 *or* CMST&230	Business Communications (D) *or* Serv.Essentials Business *or* Interpersonal Comm *or* Small Group Comm	5		BUS110 Recommended

Common Technical Requirements – 33 units

Course No.	Course Title	Units	Term Completed	Comments
MFGT100	Success & Safety	5		
CT101	Intro to Composites	5		
MFGT117	Blueprint & Schematics	3		
ENGT111	Intro Engineering Tech Design	5		
MFGT101 *or* MFGT107 *or* MFGT113 *or* MFGT119 *or* MFGT202	Intro to Machining *or* Machining with Mastercam *or* CNC Cutting Solutions *or* Introduction to Robotics *or* LEAN and Operations Mgmt	5 4 5 5 5		
	MECH 119, or any other 5 credit course higher than MECH 119	5		
	WELD 101, or any other 5 credit WELD course	5		

Precision Machining Technical Core Requirements – 40 units

Course No.	Course Title	Units	Term Completed	Comments
MFGT104	Machine Operator 1	20		
MFGT105	Machine Operator 2	20		

Capstone Project Requirements – 5 Units

Course No.	Course Title	Units	Term Completed	Comments
MECH229 *or* MFGT230	Mfgt Team Project *or* MFG Team Project Aero	5		

Total Units Required: 93

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. Though units will appear in this section as completed, they are not counted in the overall earned units for the degree. The course and units earned will appear above and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

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Pre-Dentistry / Pre-Medicine AS (LRST1AS)

2021 - 2022

Communication Skills - 5 credits required

Course No.	Course Title	Credits	Term Completed	Comments
ENGL&101 *or* ENGL&101D	English Composition I	5		

Mathematics Courses - 15 credits required

Course No.	Course Title	Credits	Term Completed	Comments
MATH&151	Calculus I	5		
MATH&152	Calculus II	5		
MATH&163	Calculus 3	5		

Humanities and Social Science Courses - 15 credits required

A World Language is recommended.

Course No.	Course Title	Credits	Term Completed	Comments
Humanities - select 1 course				
Social Science - select 1 course				
Humanities/Social Science - select 1 course				

Natural Science courses - 49.5 credits required

Course No.	Course Title	Credits	Term Completed	Comments
CHEM&161	General Chem w/Lab I	5.50		
CHEM&162	General Chem w/Lab II	5.50		
CHEM&163	General Chem w/lab III	5.50		
CHEM&261	Organic Chem w/Lab I	6		
CHEM&262	Organic Chem w/Lab II	6		
CHEM&263	Organic Chem w/Lab III	6		
BIOL&221	Majors Ecology/Evolution	5		
BIOL&222	Majors Cell/Molecular	5		

Course No.	Course Title	Credits	Term Completed	Comments
BIOL&223	Majors Organismal Phys	5		

Elective Courses – 7 credits required

Course No.	Course Title	Credits	Term Completed	Comments
COLL101 *or* STEM101	College Success *or* College Success in STEM	2		
Elective - select 1 - BIOL 130, BIOL& 260, CHEM& 140, ENGL& 102, PHYS& 114, PHYS& 115 or PHYS& 116 recommended.				

Total Credits Required: 91.50

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. No credits will appear in this section as completed. The course and credits earned will appear below and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY CREDITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 credits must be earned at Everett Community College and apply towards the degree being awarded. These credits must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity credits (A-List electives only) may be included in the 30 residency credits.

Required Residency Credits: 30 minimum

NON-DISCRIMINATION STATEMENT

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Pre-Nursing AAS-DTA/MRP (RENPNAS) Active: Sp 2018

Everett Community College awards the Associate in Arts and Sciences Direct Transfer Agreement Degree (AAS-DTA). This plan is for those who are intending to transfer to a College or University as a Nursing Major. Be sure to work closely with your program advisor as you complete this plan.

The outlined plan is to best prepare you for your graduation from EvCC to continue your work towards your Bachelor's degree in Nursing when you transfer. By following this plan you will have earned your AAS-DTA here and completed many of the foundational courses at EvCC that will be required at the transfer institution(s).

COLLEGE SUCCESS - 2 UNITS TOTAL

COLLEGE 101 or STEM 101 is mandatory for all new degree-seeking students. The class may be waived due to previous college coursework, or the specific course of study. Students in the following programs are exempt from this requirement: Advanced Manufacturing Technology, Aviation, Basic Skills, Certified Nursing Assistant, Cosmetology, EMT, Fire Science, Medical Assisting, Medical Coding, and Running Start.

Course Number	Course Title	Units	Term Completed	Comments
COLL101 *or* STEM101	College Success *or* College Success in STEM	2		

BASIC COMMUNICATION SKILLS - 10 UNITS TOTAL

ENGL& 101 and ENGL& 102 are offered in both non-diversity and diversity versions. Be sure to check the Class Schedule on the EvCC website to determine which section you wish to choose. If a course is a diversity class, this is displayed in the Course Attributes within section details.

Course Number	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		
ENGL&102	English Composition II	5		

BASIC QUANTITATIVE SKILLS - 5 UNITS TOTAL

Course Number	Course Title	Units	Term Completed	Comments
MATH&146	Intro to Statistics	5		

HUMANITIES - 15 UNITS TOTAL

Select courses from the DTA approved Humanities course list. Courses taken must be from 2 different disciplines, and not more than 5 Humanities Performance (HP) and/or 5 World Language units may be used to fulfill this requirement. Any additional Humanities units beyond 15 will be counted towards your Electives.

Course Number	Course Title	Units	Term Completed	Comments
CMST&220	Public Speaking	5		
	Humanities - select 2 courses	5		CMST& 210 recommended.
		5		If CMST& 210 is taken, the 3rd course may not be another CMST course.

SOCIAL SCIENCES - 15 UNITS TOTAL

Course Number	Course Title	Units	Term Completed	Comments
PSYC&100	General Psychology	5		
PSYC&200	Lifespan Psychology	5		
ANTH&206 *or* SOC&101	Cultural Anthropology *or* Intro to Sociology	5		Consult with an advisor about which one to choose.

SCIENCE AND MATH - 35 UNITS REQUIRED

Course Number	Course Title	Units	Term Completed	Comments
CHEM&121	Intro to Chemistry	5		
CHEM&131	Intro to Organic/Biochem	5		
BIOL&211	Majors Cellular	5		
BIOL&231	Human Anatomy	5		
BIOL&232	Human Physiology	5		
BIOL&260	Microbiology	5		
NUTR&101	Nutrition	5		

ELECTIVES - 8 UNITS TOTAL

Course Number	Course Title	Units	Term Completed	Comments
	Electives - Complete at least 8 units from either the Humanities, Social Sciences, or Natural Sciences DTA Distribution Areas.			

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of C or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. Though units will appear in this section as completed, they are not counted in the overall earned units for the degree. The course and units earned will appear above and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 Minimum

NON-DISCRIMINATION STATEMENT

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Principles of Precision Machining Certificate (MTCAPC20) Active: Su 2016

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
MFGT104	Machine Operator 1	20		
MFGT105	Machine Operator 2	20		

Total Units Required: 40

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 13 minimum

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Radiologic Technology Checklist - Active: W 2018

This checklist is designed to prepare students to transfer to either Bellingham Technical College or Bellevue College; it is not a credential awarded here at Everett Community College.

Courses for transfer to either BTC or BC – 30 Units

BTC = Bellingham Technical College, BC = Bellevue College

Course No.	Course Title	Units	Term Completed	Comments
BIOL&211	Majors Cellular	5		
BIOL&231	Human Anatomy	5		
BIOL&232	Human Physiology	5		
CHEM&121	Intro to Chemistry	5		
ENGL&101	English Composition I	5		
HLTH100	Medical Terminology	5		

Additional Courses for BTC only - 15 UNITS

BTC = Bellingham Technical College only. Remember these are not required for Bellevue College.

Course No.	Course Title	Units	Term Completed	Comments
CMST&220	Public Speaking	5		
PSYC&100	General Psychology	5		
	Quantitative	5		

Additional Course for BC only - 10 UNITS

BC = Bellevue College only. Remember this is not required for Bellingham Technical College.

Course No.	Course Title	Units	Term Completed	Comments
CMST204	Intercultural Comm	5		
MATH96 *or* MATH&146	Int Algebra for Precalc *or* Intro to Statistics	5		

Total Units Required: 40 or 45

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Robotics Foundations Certificate (ROTRFC01) Active: Sp 2019

Course Requirement - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
MECH119	Introduction to Robotics	5		

Total Units Required: 5

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Solid Works Certificate (DDTSWC20) Active: W 2019

TECHNICAL DESIGN - SOLID WORKS Certificate Details

Technical Design (CAD) certificates are stackable.

Four certificates are offered, and this is one of three of which address specific CAD software. This checklist is targeted at students with an interest in Solid Works and represents a subset of the classes required for an Associates in Technical Arts Degree.

These certificates may be considered as stand-alone credentials for people seeking to gain entry level CAD employment, or as the first level of a stackable set of certificates in the Advanced Manufacturing Technology – Technical Design (CAD) Associates in Technical Arts degree pathway.

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
ENGT204	Drafting using CAD	4		
ENGT205	Precision, Fits w/ GD&T	5		
ENGT259	Engr Graphics:3D CAD-CAM	4		
ENGR&114 *or* ENGT108	Engineering Graphics *or* Engnr Graphics: 3D CAD	4		

Total Units Required: 17

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 6 minimum

NON-DISCRIMINATION STATEMENT

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Studio Arts AFA (LATSAAA) Active: F 2023

COLLEGE SUCCESS - 2 UNITS TOTAL

COLLEGE 101 or STEM 101 is mandatory for all new degree-seeking students. The class may be waived due to previous college coursework, or the specific course of study. Students in the following programs are exempt from this requirement: Advanced Manufacturing Technology, Aviation, Basic Skills, Certified Nursing Assistant, Cosmetology, EMT, Fire Science, Medical Assisting, Medical Coding, and Running Start.

Course No.	Course Title	Units	Term Completed	Comments
COLL101 *or* STEM101	College Success *or* College Success in STEM	2		

BASIC COMMUNICATION SKILLS - 10 UNITS TOTAL

Select courses from the DTA approved Communication Skills course list. At least 5 units must be earned in English Composition.

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101	English Composition I	5		
	Communications - select 1	5		ENGL 103 recommended

BASIC QUANTITATIVE SKILLS - 5 UNITS TOTAL

Select courses from the DTA approved Quantitative Skills course list.

Course No.	Course Title	Units	Term Completed	Comments
	Quantitative – 5 units	5		Note: BUS 130 is not intended for transfer.

GENERAL EDUCATION REQUIREMENTS - 15 UNITS TOTAL

Course No.	Course Title	Units	Term Completed	Comments
	Humanities – 5 units	5		ART H 124 recommended
	Social Science – 5 units	5		CMST& 102 recommended
	Natural Science – 5 units	5		STEM 102 5-credit course recommended

CORE ART SKILLS - 20 UNITS TOTAL

Course No.	Course Title	Units	Term Completed	Comments
ART110	Visual Foundation/Design	5		
ART115	Drawing I	5		
GRAPH110	Digital Design Tools and Visual Communication	5		

Course No.	Course Title	Units	Term Completed	Comments
PHOTO110	Intro to Digital Photography	5		

PORTFOLIO REVIEW - 2 UNITS TOTAL

Course No.	Course Title	Units	Term Completed	Comments
ART195	Foundation Portfolio Rev	2		ART 110, ART 115, GRAPH 110, PHOTO 110 are prerequisites.

ART FOCUS - 26 UNITS TOTAL

Course No.	Course Title	Units	Term Completed	Comments
	Art Focus – 26 units			From: ART111, ART113, ART114, ART116, ART123, ART124, ARTH124, ART200, ART201, ART205, ART206, ART215, ART216, ARTH221, ARTH222, ARTH224, ARTH228, ART240, ART241, ART242, ART270, ART271, ART272, ART273, ART294, ART297, ART299, HUM227

INTERDISCIPLINARY SKILLS - 5 UNITS TOTAL

Course No.	Course Title	Units	Term Completed	Comments
	Interdisciplinary Skills – 5 units	5		From: DRMA&101, DRMA102, DRMA107, ENGL105, ENGL106, ENGL108, ENGL109, FILM100, HUM227, JOURN101, JOURN110, JOURN111, JOURN170, MUSC&105, MUSC110, MUSC115, MUSC116

FINAL PRESENTATION - 5 UNITS TOTAL

Course No.	Course Title	Units	Term Completed	Comments
ART295	Professional Practices	5		ART 195 is prerequisite.

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. No units will appear in this section as completed. The course and units earned will appear below and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any associate degree, at least 30 units must be earned at Everett Community College and apply towards the degree being awarded. These units must be traditionally graded and calculated in the EvCC GPA. Where applicable, a maximum of 3 physical education activity units (A-List electives only) may be included in the 30 residency units.

Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

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Systems Administrator Certificate (SYASAC20) Active F 2023

All courses must be completed with a grade of C or higher.

Computer Support Specialist Certificate Courses

Course No.	Course Title	Units	Term Completed	Comments
STEM103	Introductory Scripting using Python	3-5		
IT111	Networking 1	5		
IT161	Computing Hardware/Tech	5		
IT162	Computing & Troubleshoot	5		
IT180	Information Security	5		

Subtotal: 23 units

Systems Administrator Course Requirements

Course No.	Course Title	Units	Term Completed	Comments
IT202	Server Admin	5		
IT210	Network Application Supp	5		
IT240	Linux Systems Administration	5		
IT261	Cloud Fundamentals	5		

Subtotal: 20 units

Total Units Required: 43

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 14 minimum

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Technical Design - CAD ATA (DDTATAPT) Active: F 2022

TECHNICAL DESIGN (CAD) ATA Details

The courses required for an Associate in Technical Arts Degree in Advanced Manufacturing Tech – Technical Design (CAD) are listed below. Note that program pre-requisites should be met. This degree requires 90 units. A cumulative GPA of 2.0 or higher is required.

Interested in transferring to a university? Students completing this ATA degree can transfer directly to the Information Technology and Administrative Management (ITAM) program at Central Washington University or to the Manufacturing Operations program at Clover Park Technical College to pursue a Bachelor of Applied Science (BAS) degree. Go to www.cwu.edu/it-management/bas-overview or www.cptc.edu/programs/basmo for more information.

Related Instruction – Must Complete with a C or Higher

Course No.	Course Title	Units	Term Completed	Comments
ENGT101 *or* MATH86 *or* higher	Technical Problem Solve *or* Essentials of Intermediate Algebra or higher	5		
ENGL&101 *or* ENGL98	English Composition I *or* Intro to College Writing	5		
BUS110 *or* BUS165 *or* CMST&210 *or* CMST&230 *or* CMST204	Business Communications *or* Serv.Essentials Business *or* Interpersonal Comm *or* Small Group Comm *or* Intercultural Comm	5		BUS 110 recommended

Subtotal: 15

Common Technical Requirements

Course No.	Course Title	Units	Term Completed	Comments
	ENGT 100, or any other 4 or more credit ENGT course			
MFGT100	Safety for Manufacturing	5		
	CT 101, or any other 5-credit CT course	5		
	MFGT 101, or any other 5-credit MFGT course	5		
	WELD 101, or any other 5-credit WELD course	5		
	MECH 119, or any other 5-credit corse higher than MECH 119	5		

Subtotal: 29

Computer Aided Design Technical Core Requirements

Course No.	Course Title	Units	Term Completed	Comments
ENGR&114 *or* ENGT108	Engineering Graphics *or* Engnr Graphics: 3D CAD	4		
ENGT185	Intro to CATIA 3DE	4		
ENGT204	Drafting using CAD	4		
ENGT205	Precision, Fits w/ GD&T	5		
ENGT230 *or* WELD151	Manf Materials/Processes *or* Carbon Steel Metallurgy	3		

Subtotal: 20

Technical Electives

Course No.	Course Title	Units	Term Completed	Comments
	Technical Electives – 21 units			From: ENGR101, ENGT102, ENGT103, ENGT193, ENGT194, ENGT195, ENGT196, ENGT203, ENGT213, ENGT217, ENGT225, ENGT226, ENGT259, MATH&107, MATH&141, MATH&142, MATH&144, MATH&146, MATH&148, MATH&151, MATH&152, MATH&163, MATH&264, MATH96, MATH138, MATH260, MATH261, MFGT202

Subtotal: 21

Capstone Project Requirement

Course No.	Course Title	Units	Term Completed	Comments
MFGT229 *or* MFGT230	Mfgt Team Project *or* MFG Team Project Aero	5		

Subtotal: 5

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

Complete one diversity class with a grade of D or better. This is an EvCC institutional requirement and must be completed in order to receive any degree from Everett Community College. Though units will appear in this section as completed, they are not counted in the overall earned units for the degree. The course and units earned will appear above and be counted towards the appropriate distribution area (Humanities, Social Science, etc.).

EvCC RESIDENCY UNITS REQUIREMENT

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Required Residency Units: 30 minimum

NON-DISCRIMINATION STATEMENT

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Web Design Certificate (DMWIWC20) Active F 2023

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
GRAPH110	Digital Design Tools and Visual Communication	5		
GRAPH113	Graphic Design Typography	5		
GRAPH118	Graphic Design Process	5		
GRAPH130	Coding For Web Design	5		
GRAPH201	Graphic Design I	5		
GRAPH240	Graphic Design for Web	5		
GRAPH242	Content Mgment Systems	5		
GRAPH292	Bus Practices Graph Desg	2		

Total Units Required: 37

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 12 minimum

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Welding ATA (WETWEAPT) Active: Sp 2022

Welding ATA Details

The ATA is a technical degree that includes emphasis in developing professional welding and fabrication skills as well as providing a grounding in general studies.

- This program is approximately two years in length for full-time involvement.
- It is a total of 90 units. Technical Electives can be adjusted to be sure you are at 90 units upon program completion.
- Upon completion of this ATA students qualify and may apply for a High School Diploma from EvCC.
- A 2.0 GPA is required to earn the degree.

General Education Requirements – 13 to 15 units total

Course No.	Course Title	Units	Term Completed	Comments
WELD105 *or* TS86 *or* MATH86 or higher	Intro to Fab Planning *or* Introduction to Algebra *or* Essentials of Intermediate Algebra or higher	5		WELD105 is recommended.
CMST&210 *or* ENGL&101 *or* ENGL98 *or* TS98	Interpersonal Communication *or* English Composition I *or* Intro to College Writing *or* Intro/College Essays	5		
	Human Relations - Select 1 (BUS 110 recommended)	3-5		From courses: BUS110, BUS165, CMST&210, CMST&230, HDEV155,

Technical Core Requirements - 26 units total

Course No.	Course Title	Units	Term Completed	Comments
WELD101	Introduction to Welding	5		
WELD111	Basic Layout	2		
MFGT100	Success & Safety	5		
WELD150	Blueprint Readg for Ind	5		
WELD151	Carbon Steel Metallurgy	3		Only offered Fall quarter
WELD152	Weld Base Mtrls: Process	3		Only offered Winter quarter
WELD153	Non-Ferrous Metallurgy	3		Only offered Spring quarter

Welding Practical - 49 units or as many as needed to total 90

Welding Skills, Fabrication, and Electives

- Welding Skills - 35 units **recommended** from WELD 190, WELD 191 and 291, WELD 192 and 292, WELD 193, WELD 194 and 294, WELD 195, and WELD 196 and 296.

- Fabrication - 10 units **required** from WELD 205, WELD 210, WELD 211, WELD 212, WELD 213, and WELD 216.
- Electives – 4 to 6 units **recommended** from WELD 225 and 226, WELD 295 and 297, MFGT 119, and WELD 205.
- Capstone – 5 units **optional** from WELD 231. (Be sure to discuss with your advisor.)

Course No.	Course Title	Units	Term Completed	Comments
	Welding and Fabrication - Complete 49 units (or as necessary to total 90 units)			

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

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EvCC RESIDENCY UNITS REQUIREMENT

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Required Residency Units: 30 minimum

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Welding Certificate (WETWEC20) Active: F 2020

Welding Certificates are Stackable

This Certificate in Welding is the culmination of working to obtain lower-level welding certifications. Those lower-level Welding certificates are designed to create a guided pathway from the student's 1st quarter through their final quarter with the EvCC Welding Program. These lower-level certificates stack to become the Certificate in Welding. The Certificate in Welding then stacks to become part of the ATA in Welding and a High School diploma. Upon completion of this certificate, the student will have demonstrated the equivalent of 1 years' experience in the metal trades.

English and Mathematics – 0 to 10 units

43 total units are always required for this certificate.

- Students who place into ENGL 98 or higher, or equivalent, **are not required** to take an English course for this certificate and will instead take more Fabrication and Welding classes.
- Student who place into MATH 76 or higher, or equivalent, **are not required** to take a Math course for this certificate and will instead take more Fabrication and Welding classes.

Course No.	Course Title	Units	Term Completed	Comments
ENGL97 *or* TS97	Begin Grammar & Writing *or* Intro/College Paragraphs	0-5		If you have placement into ENGL 98 or TS 98 or higher, there is no need to take ENGL 97 or TS 97.
MATH76 *or* TS76	Mathematical Literacy	0-5		If you have placement into MATH 86 or TS 86 or higher, there is no need to take MATH 76 or TS 76.

Core Requirements - 15 units

Course No.	Course Title	Units	Term Completed	Comments
MFGT100	Success & Safety	5		
WELD101	Introduction to Welding	5		
WELD150	Blueprint Readg for Ind	5		

Fabrication and Welding Courses – 18 to 28 units

Remember, 43 total units are always required for this certificate.

- Students who are required to complete both an English and Math course, required units will be 18.
- Students who are required to complete either an English or Math course, required units will be 23.
- Students who are not required to complete either English or Math course, required units will be 28.

Course No.	Course Title	Units	Term Completed	Comments
	Fabrication and Welding - complete as needed to reach 43 units			

Course No.	Course Title	Units	Term Completed	Comments

Total Units Required: 43

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 14 minimum

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Welding, Advanced TIG Certificate (WETATC01) Active: F 2022

Welding Certificates are Stackable

This checklist is targeted at students with an interest in TIG welding. This certificate is stackable with the Certification in Welding and the ATA in Welding The program is designed for students with some previous Welding experience.

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
MFGT100	Success & Safety	5		
WELD111	Basic Layout	2		
WELD150	Blueprint Readg for Ind	5		
WELD194	Gas Tungsten Arc Welding	5		
WELD216	Advanced TIG Welding	3		

Total Units Required: 20

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 6 minimum

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Welding, Aerospace Fabrication and Welding Certificate (MEFAWC20)
Active: F 2022

Aerospace Fabrication & Welding Certificate Details

- The Aerospace Fabrication & Welding Certificate is a two-quarter program designed to prepare students to work at the entry level in a manufacturing facility and the aerospace industry. The courses serve as an introduction. The knowledge and skills acquired in these courses are required for entry level positions in diverse workplace scenarios with special emphasis on aerospace. Content includes sheet metal fabrication, press break operation, CNC plasma cutting, specialized TIG welding, blueprint reading and safety.
- This 35-credit certificate may be considered a stand-alone credential for people seeking to enter the manufacturing field, or as part of a stackable set of certificates and degrees in the EvCC Advanced Manufacturing Program

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
MFGT100	Success & Safety	5		
WELD111	Basic Layout	2		
WELD150	Blueprint Readg for Ind	5		
WELD194	Gas Tungsten Arc Welding	5		
WELD211 *or* WELD217	Sheet Metal Fabrication *or* Aero Sheet Metal Fab	5		
WELD214	Pressbrake/Sub Arc Weld	5		
WELD216	Advanced TIG Welding	3		
WELD285 *or* WELD286	CNC Plasma Cutting *or* Aero CNC Plasma Cutting	5		

Total Units Required: 35

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 11 minimum

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Welding, Entry Level Certificate (WETELC01)

Welding Certificates are Stackable

This checklist is targeted at students with an interest in Sub-Arc welding. This certificate is stackable with the Certificate in Welding and the ATA in Welding The program is designed for students with some previous Welding experience.

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
MFGT100	Success & Safety	5		
WELD101	Introduction to Welding	5		
WELD111	Basic Layout	2		
WELD195	Gas Metal Arc/Flux Core	5		

Total Units Required: 17

EvCC RESIDENCY UNITS REQUIREMENT

In order to be eligible to earn a diploma from EvCC for any certificate, at least 1/3 of the units must be earned at Everett Community College and apply towards the certificate being awarded. These units must be traditionally graded and calculated in the EvCC GPA.

Required Residency Units: 5 minimum

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Welding, Sub-Arc Certificate (WETSWC01)

Welding Certificates are Stackable

This certificate is stackable with the Certificate in Welding and the ATA in Welding. The program is designed for students with some previous Welding experience.

Course Requirements - Complete the following with a C or better

Course No.	Course Title	Units	Term Completed	Comments
MFGT100	Success & Safety	5		
WELD111	Basic Layout	2		
WELD150	Blueprint Readg for Ind	5		
WELD214	Pressbrake/Sub Arc Weld	5		

Total Units Required: 17

EvCC RESIDENCY UNITS REQUIREMENT

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Required Residency Units: 5 minimum

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WRITTEN ARTS AFA (LATWAAA) Active W 2010

College Success Course - 2 units total

Course No.	Course Title	Units	Term Completed	Comments
STEM101 *or* COLL101	College Success in STEM or College Success	2		

Basic Communication Skills - 10 units total

Course No.	Course Title	Units	Term Completed	Comments
ENGL&101 *or* ENGL&101D	English Composition I	5		
ENGL&102 *or* ENGL&102D *or* ENGL&235 *or* ENGL103 *or* ENGL105	Composition II *or* Composition II *or* Tech Writing & Research *or* The Critical Paper *or* Creative Non-Fiction	5		

Basic Quantitative Skills - 5 units total

Course No.	Course Title	Units	Term Completed	Comments
	Quantitative – 5 units	5		

General Education Requirements - 15 units total

Course No.	Course Title	Units	Term Completed	Comments
	Humanities - select 1 course other than English	5		
	Social Sciences - select 1	5		
	Natural Sciences - select 1	5		

Emphasis Skills - 38 units total

Course No.	Course Title	Units	Term Completed	Comments
	Core - Complete 30 units	5		From Courses ENGL210, ENGL105, ENGL109, ENGL168, ENGL206, ENGL106, ENGL108, ENGL110, ENGL165, ENGL166, ENGL169, ENGL205, ENGL208, ENGL209
		5		

Course No.	Course Title	Units	Term Completed	Comments
		5		
		5		
		5		
		5		
	Electives - Complete 8 units	5		From Courses ENGL&111, ENGL&246, ENGL&246D, ENGL233, ENGL252, ENGL120D, ENGL240D, ENGL253, ENGL229, ENGL240, ENGL251, ENGL173, ENGL263, ENGL263D
		3		

Interdisciplinary Skills - 20 units total

Course No.	Course Title	Units	Term Completed	Comments
	Interdisciplinary Skills – Complete 15 units	5		From Courses ART&100, ART110, ART115, ART124D, ART200, ART205, ART270, CMST&102, CMST&220, CMST104, DRMA&101, DRMA102, DRMA107D, FILM100, GRAPH120, GRAPH201, GRAPH202, JOURN101, JOURN110, JOURN170, MUSC&105, MUSC&141, MUSC110D, MUSC115, MUSC116, PHOTO110, PHOTO121, PHOTO151, PHOTO210, PHOTO230, PHOTO243
		5		
		5		
ENGL299	Final Presentation / Project	5		This is a variable credit course. Review how many units you will need for ENGL299: Special Projects with your advisor. The Written Arts AFA requires 90 units total.

Total Units Required: 90

DIVERSITY COURSE REQUIREMENT

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